

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087453.D
 Acq On : 05 Aug 2025 13:58
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/06/2025
 Supervised By : Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:27:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 01:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	64218	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	367115	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	327914	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	182238	30.767	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.567%			
60) 4-Bromofluorobenzene	12.829	95	170429	30.201	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.667%			
63) Toluene-d8	10.547	98	453121	30.032	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	88427	21.090	ug/l	100
3) Chloromethane	2.383	50	92684	21.546	ug/l	100
4) Vinyl Chloride	2.542	62	97984	21.476	ug/l	100
5) Bromomethane	2.983	94	49674	20.114	ug/l	100
6) Chloroethane	3.142	64	61674	20.963	ug/l	100
7) Trichlorofluoromethane	3.512	101	137336	20.915	ug/l	100
8) Diethyl Ether	3.965	74	56555	20.674	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	68121	20.344	ug/l	100
10) 1,1-Dichloroethene	4.336	96	74078	21.062	ug/l	100
11) Methyl Iodide	4.589	142	46084m	16.723	ug/l	
12) Methyl Acetate	5.018	43	132440	20.405	ug/l	100
13) Acrolein	4.171	56	99154	100.048	ug/l	99
14) Acrylonitrile	5.712	53	290627	102.544	ug/l	100
15) Acetone	4.418	58	89398	110.396	ug/l	100
16) Carbon Disulfide	4.700	76	221586	20.310	ug/l	100
17) Allyl chloride	5.012	41	144593	20.170	ug/l	100
18) Methylene Chloride	5.271	84	92808m	20.501	ug/l	
19) trans-1,2-Dichloroethene	5.771	96	86216	20.613	ug/l	100
20) Diisopropyl ether	6.665	45	334922	20.517	ug/l	100
21) 1,1-Dichloroethane	6.553	63	177532	21.030	ug/l	100
22) cis-1,2-Dichloroethene	7.471	96	106998	20.791	ug/l	100
23) tert-Butyl Alcohol	5.518	59	121824	101.156	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	327775	20.452	ug/l	100
25) Chloroform	7.947	83	180797	20.518	ug/l	100
26) Cyclohexane	8.241	56	142519	21.086	ug/l	100
29) 1,1-Dichloropropene	8.353	75	120007	20.042	ug/l	100
30) 2-Butanone	7.471	43	446235	101.104	ug/l	100
31) 2,2-Dichloropropane	7.471	77	156255	20.233	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	151297	19.812	ug/l	100
33) Carbon Tetrachloride	8.341	117	127325	20.070	ug/l	100
34) Benzene	8.588	78	377003	19.946	ug/l	100
35) Methacrylonitrile	7.765	41	97561	20.484	ug/l	100
36) 1,2-Dichloroethane	8.653	62	155656	20.373	ug/l	100
37) Trichloroethene	9.335	130	84369	20.264	ug/l	100
38) Methylcyclohexane	9.582	83	139951	20.147	ug/l	100
39) 1,2-Dichloropropane	9.600	63	98038	20.230	ug/l	100
40) Dibromomethane	9.688	93	73356	20.175	ug/l	100
41) Bromodichloromethane	9.871	83	148435	19.646	ug/l	100
42) Vinyl Acetate	6.588	43	1483194	102.044	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	170967m	20.349	ug/l	
44) Isopropyl Acetate	8.677	43	291509	20.169	ug/l	100
45) 1,4-Dioxane	9.677	88	37910	411.437	ug/l	100
46) Methyl methacrylate	9.665	41	136612	20.024	ug/l	100
47) n-amyl Acetate	12.529	43	138459m	19.052	ug/l	
48) t-1,3-Dichloropropene	10.818	75	162191	19.732	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	162479	19.641	ug/l	100
50) 1,1,2-Trichloroethane	10.994	97	91845	19.993	ug/l	100
51) Ethyl methacrylate	10.853	69	159690	19.738	ug/l	100
52) 1,3-Dichloropropane	11.141	76	165895	20.044	ug/l	100
53) Dibromochloromethane	11.341	129	103790	19.563	ug/l	100
54) 1,2-Dibromoethane	11.447	107	97894	20.073	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	426876	100.225	ug/l	100
56) Bromoform	12.559	173	67550	19.250	ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	876419	103.897	ug/l	100
59) 2-Hexanone	11.182	43	576264	100.543	ug/l	100
61) Tetrachloroethene	11.082	164	63867	19.992	ug/l	100
62) Toluene	10.612	91	416382	20.573	ug/l	100
64) Chlorobenzene	11.871	112	252716	20.321	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	88390	20.216	ug/l	100
66) Ethyl Benzene	11.941	91	462372	20.497	ug/l	100
67) m/p-Xylenes	12.047	106	335952	40.573	ug/l	100
68) o-Xylene	12.376	106	164778	20.228	ug/l	100
69) Styrene	12.394	104	283102	20.353	ug/l	100
70) Isopropylbenzene	12.670	105	423292	20.453	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	148347	20.920	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	123856m	16.992	ug/l	
73) Bromobenzene	12.959	156	96161	20.043	ug/l	100
74) n-propylbenzene	13.012	91	526811	20.382	ug/l	100
75) 2-Chlorotoluene	13.106	91	324478	20.409	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	363042	20.488	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	47119	18.843	ug/l	100
78) 4-Chlorotoluene	13.200	91	322316	20.005	ug/l	100
79) tert-butylbenzene	13.417	119	305702	20.462	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	358349	20.238	ug/l	100
81) sec-Butylbenzene	13.594	105	447541	20.577	ug/l	100
82) p-Isopropyltoluene	13.706	119	369955	20.486	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	186482	20.412	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	190232	20.538	ug/l	100
85) n-Butylbenzene	14.035	91	363428	20.569	ug/l	100
86) Hexachloroethane	14.312	117	71198	20.189	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	179117	20.539	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.694	75	37135	20.672	ug/l	100
89) 1,2,4-Trichlorobenzene	15.811	180	104426	20.037	ug/l	100
90) Hexachlorobutadiene	15.476	225	41238	20.349	ug/l	100
91) Naphthalene	15.611	128	402240	20.241	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	104426	20.037	ug/l	100

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



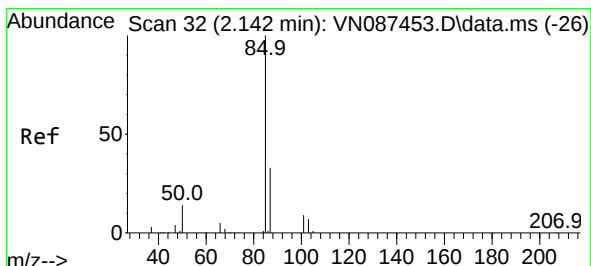
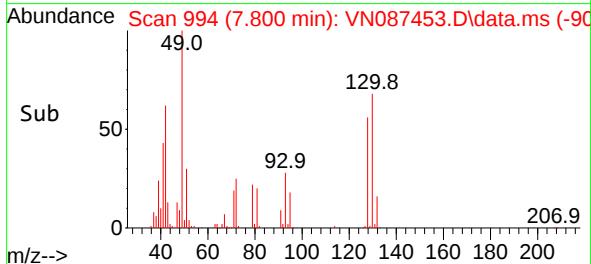
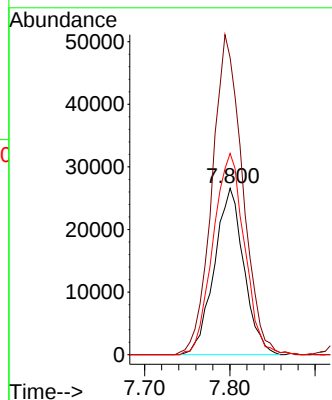
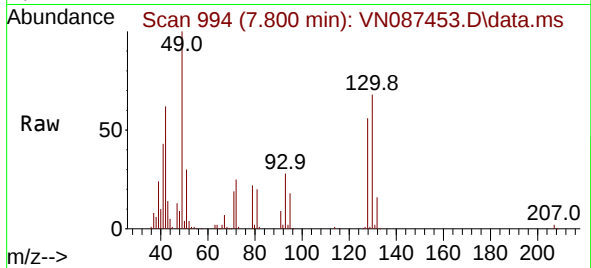
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 64218
Ion Ratio Lower Upper
128 100
49 197.9 0.0 494.8
130 128.6 0.0 321.5

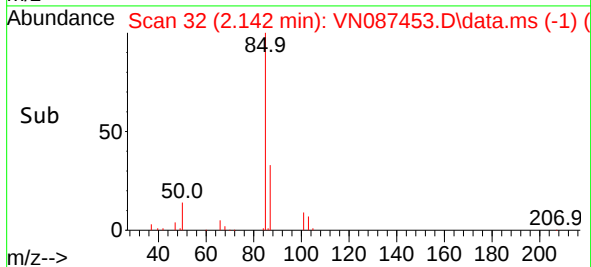
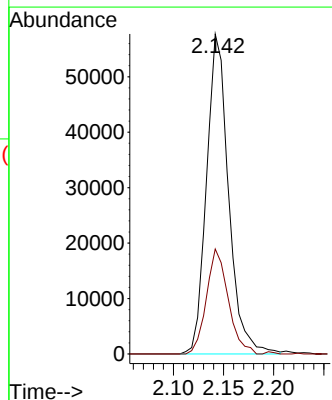
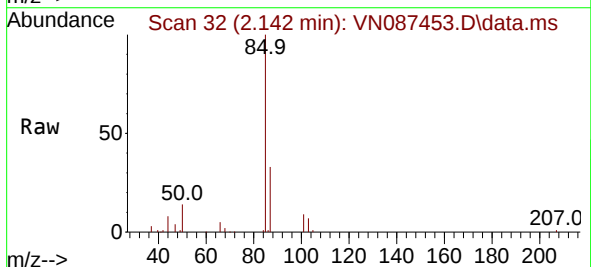
Manual Integrations
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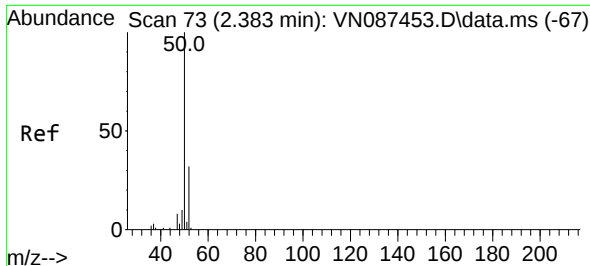
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#2
Dichlorodifluoromethane
Concen: 21.090 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

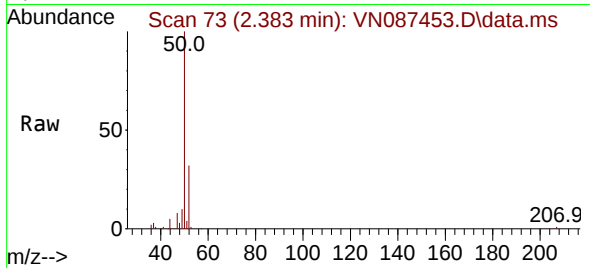
Tgt Ion: 85 Resp: 88427
Ion Ratio Lower Upper
85 100
87 32.8 16.4 49.2





#3
Chloromethane
Concen: 21.546 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

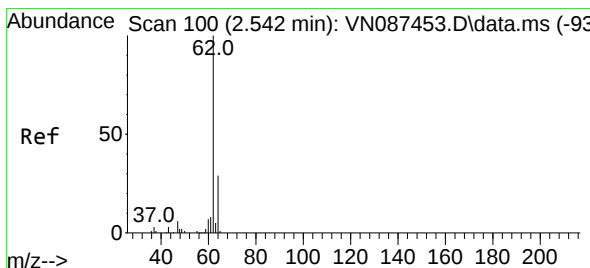
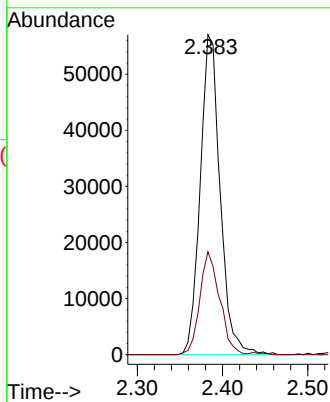
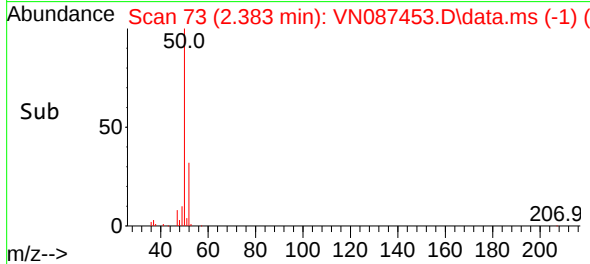
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



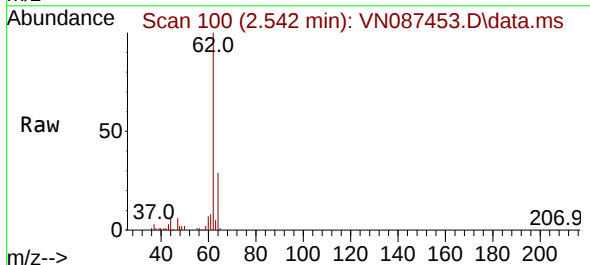
Tgt Ion: 50 Resp: 92684
Ion Ratio Lower Upper
50 100
52 32.2 25.8 38.6

Manual Integrations
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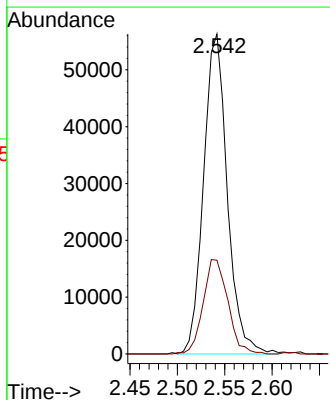
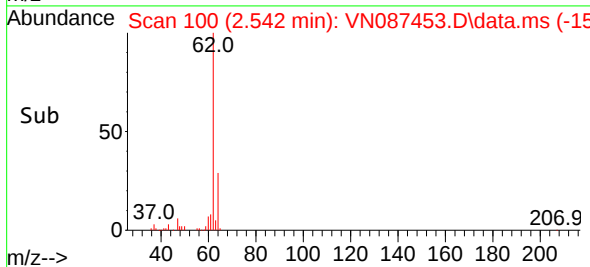
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

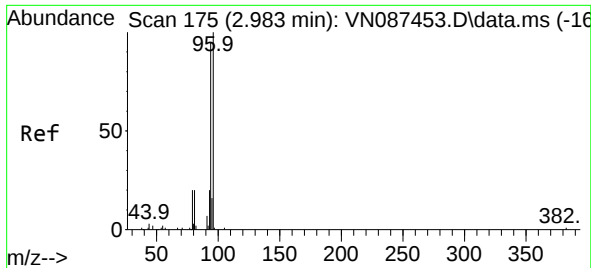


#4
Vinyl Chloride
Concen: 21.476 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



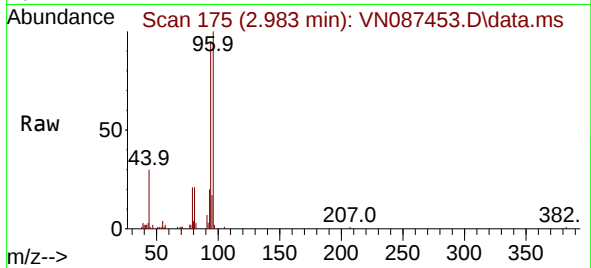
Tgt Ion: 62 Resp: 97984
Ion Ratio Lower Upper
62 100
64 29.3 23.4 35.2





#5
Bromomethane
Concen: 20.114 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

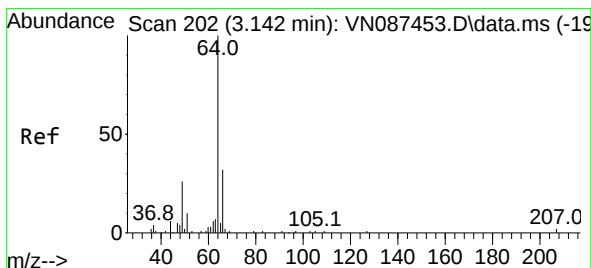
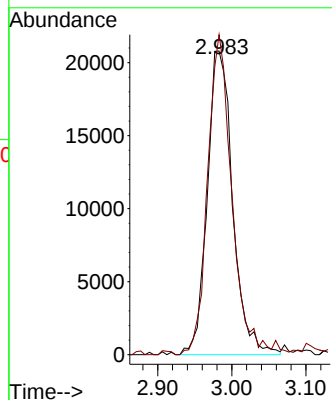
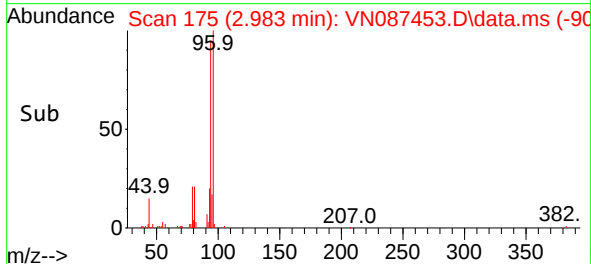
Instrument :
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ClientSampleId :
VSTDICCC020



Tgt Ion: 94 Resp: 49674
Ion Ratio Lower Upper
94 100
96 105.3 84.2 126.4

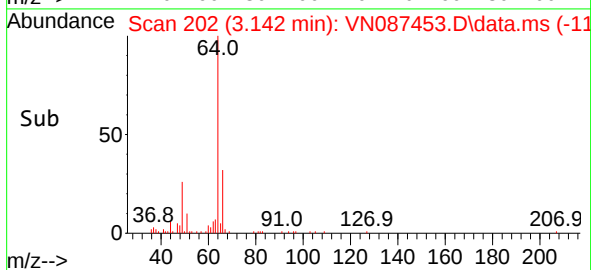
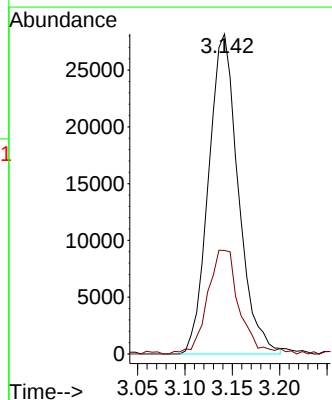
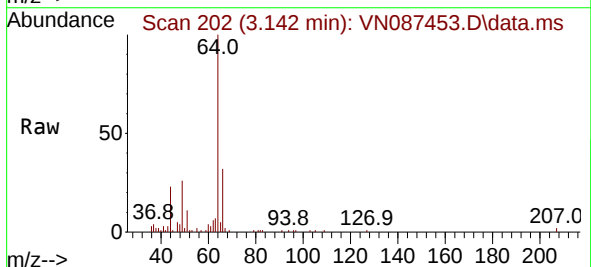
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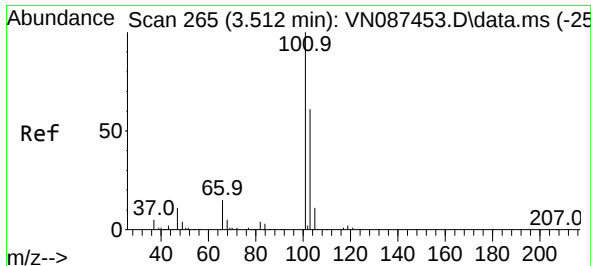
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#6
Chloroethane
Concen: 20.963 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

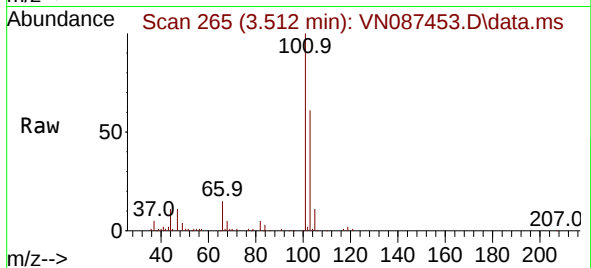
Tgt Ion: 64 Resp: 61674
Ion Ratio Lower Upper
64 100
66 31.7 25.4 38.0





#7
Trichlorofluoromethane
Concen: 20.915 ug/l
RT: 3.512 min Scan# 265
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

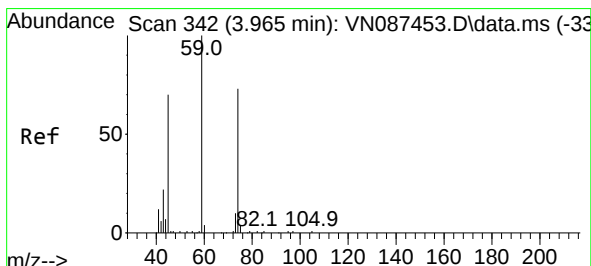
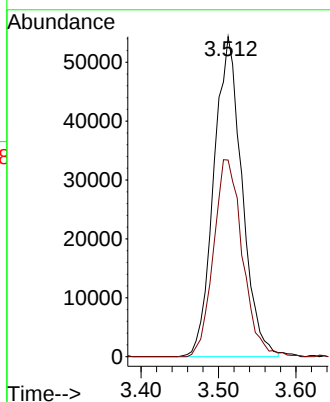
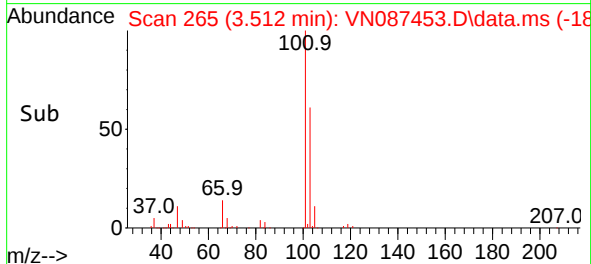
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:101 Resp: 137336
Ion Ratio Lower Upper
101 100
103 61.5 49.2 73.8

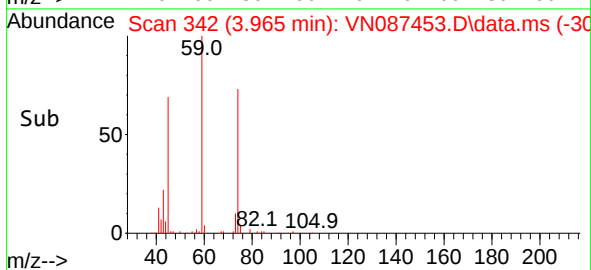
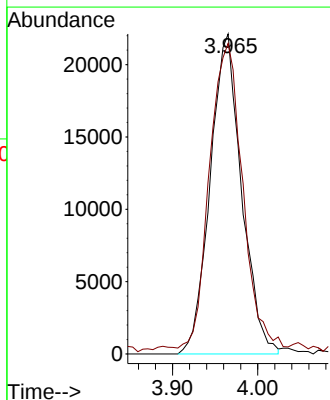
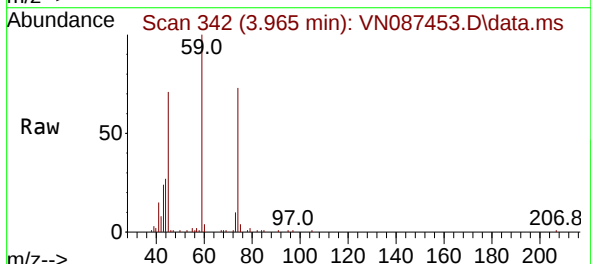
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#8
Diethyl Ether
Concen: 20.674 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Tgt Ion: 74 Resp: 56555
Ion Ratio Lower Upper
74 100
45 100.5 20.1 180.9





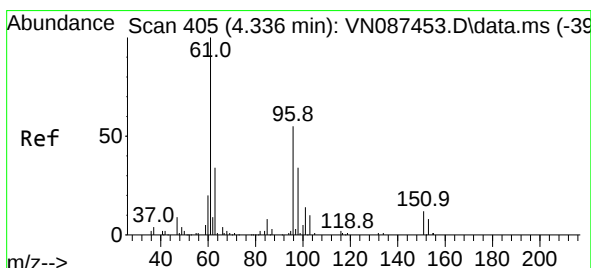
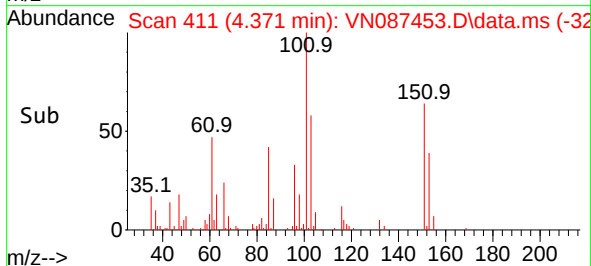
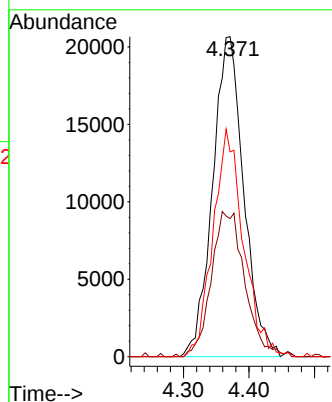
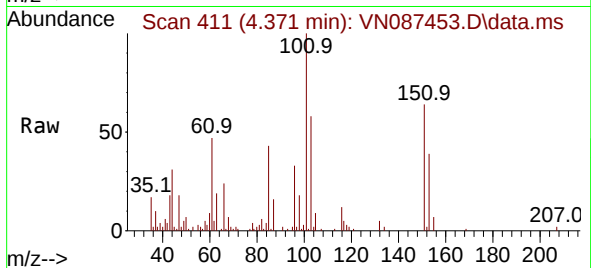
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1,1,2-Trichlorotrifluoroethane
Concen: 20.344 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 6812
Ion Ratio Lower Upper
101 100
85 28.5 0.0 57.0
151 67.1 0.0 134.2

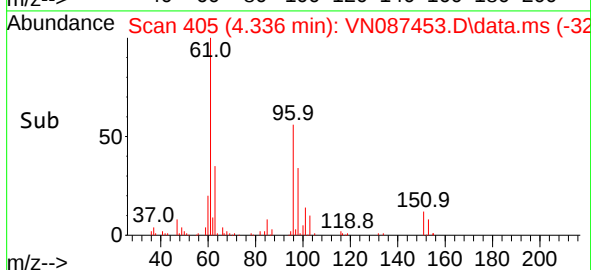
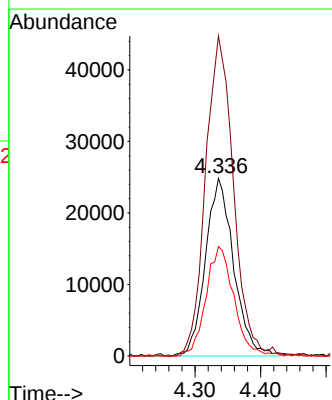
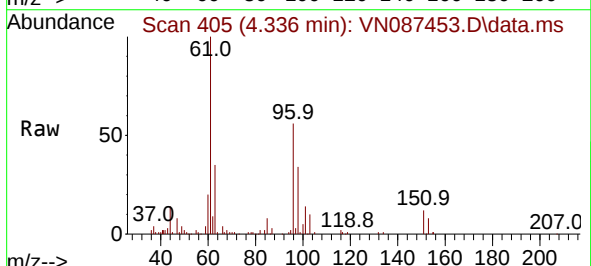
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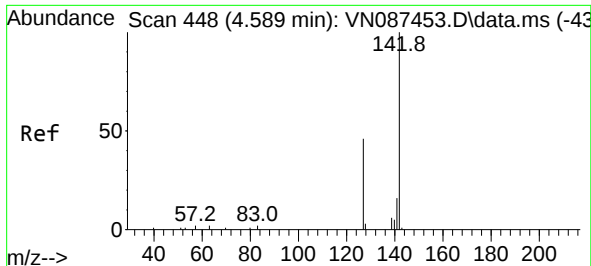
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#10
1,1-Dichloroethene
Concen: 21.062 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

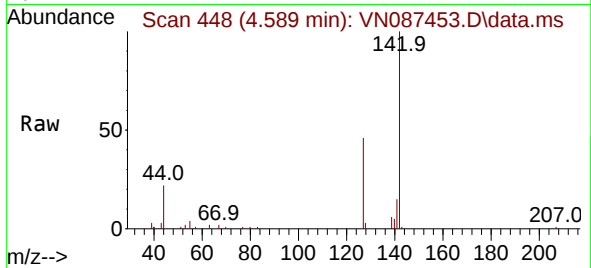
Tgt Ion: 96 Resp: 74078
Ion Ratio Lower Upper
96 100
61 180.3 144.2 216.4
98 62.1 49.7 74.5





#11
Methyl Iodide
Concen: 16.723 ug/l m
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

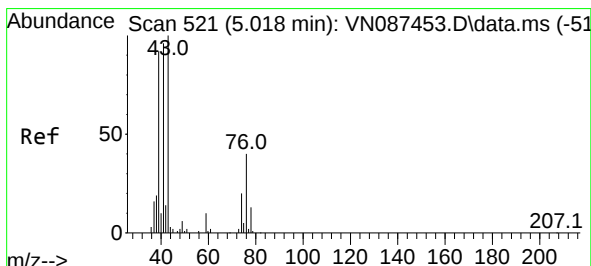
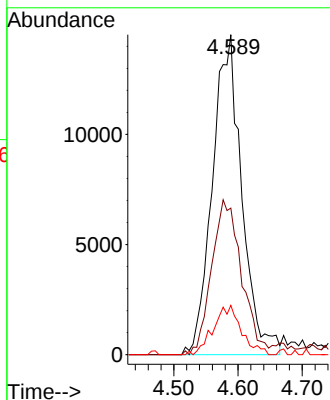
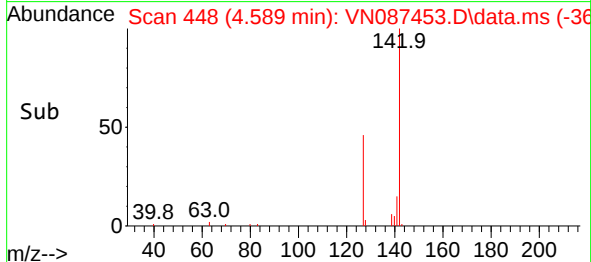
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:142 Resp: 46084
Ion Ratio Lower Upper
142 100
127 45.8 22.9 68.7
141 15.4 7.7 23.1

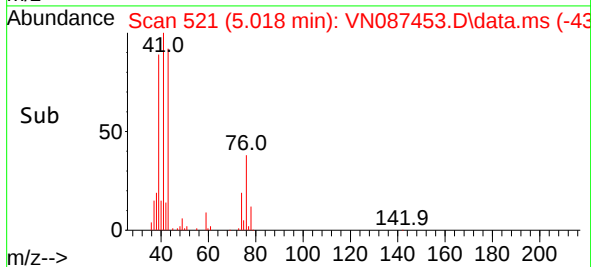
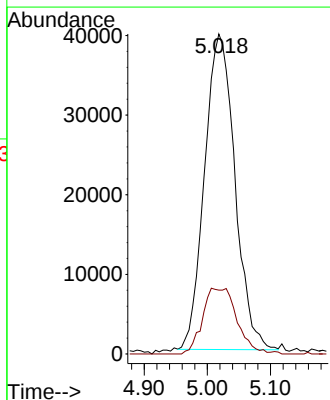
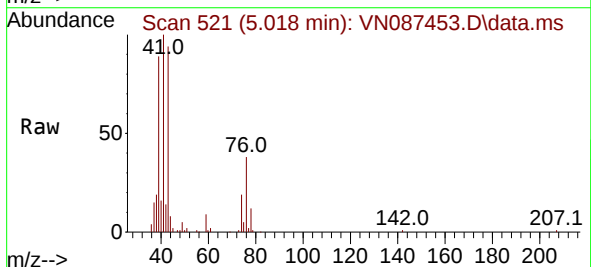
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#12
Methyl Acetate
Concen: 20.405 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

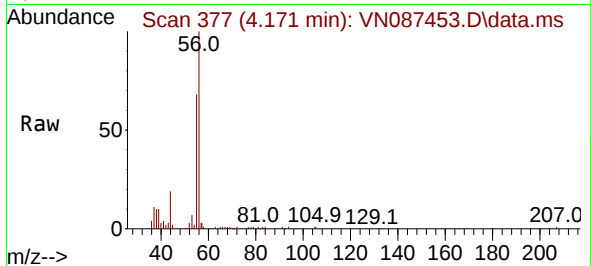
Tgt Ion: 43 Resp: 132440
Ion Ratio Lower Upper
43 100
74 20.0 16.0 24.0





#13
Acrolein
Concen: 100.048 ug/l
RT: 4.171 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

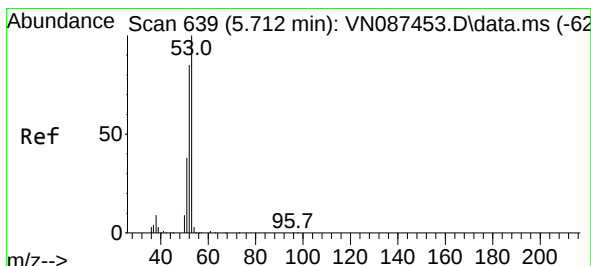
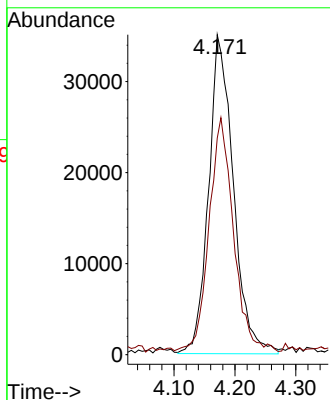
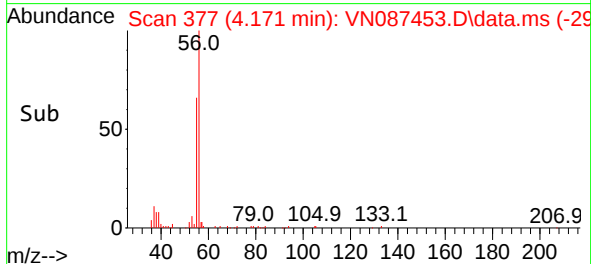
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



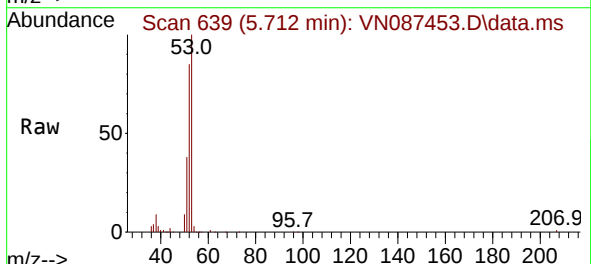
Tgt Ion: 56 Resp: 99154
Ion Ratio Lower Upper
56 100
55 72.1 57.4 86.0

Manual Integrations
APPROVED

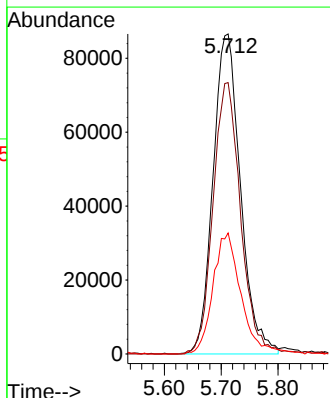
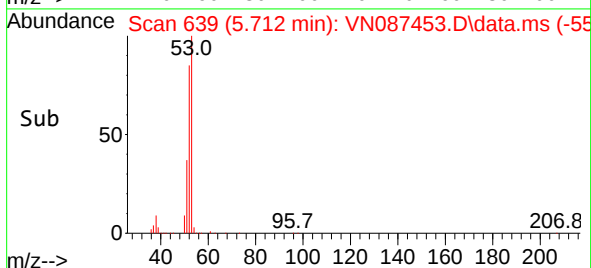
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

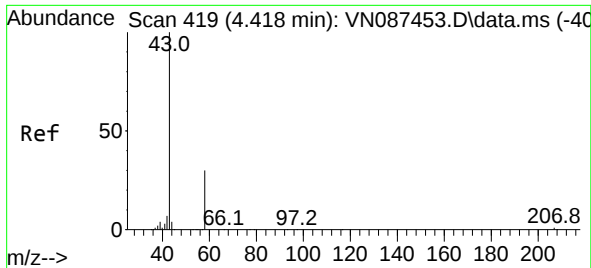


#14
Acrylonitrile
Concen: 102.544 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



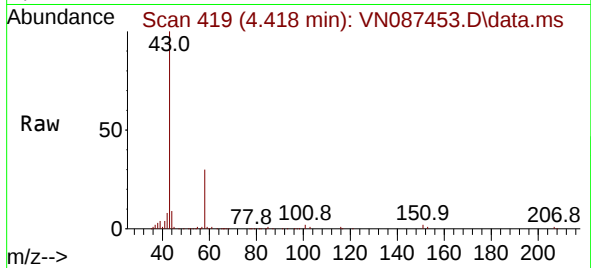
Tgt Ion: 53 Resp: 290627
Ion Ratio Lower Upper
53 100
52 84.8 42.4 127.2
51 37.0 18.5 55.5





#15
Acetone
Concen: 110.396 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

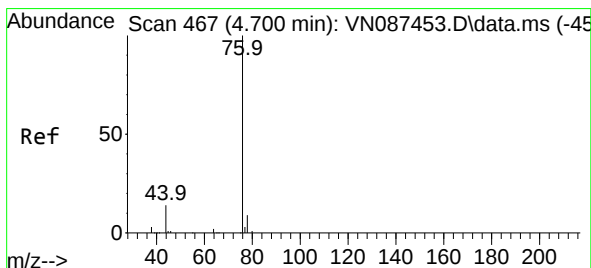
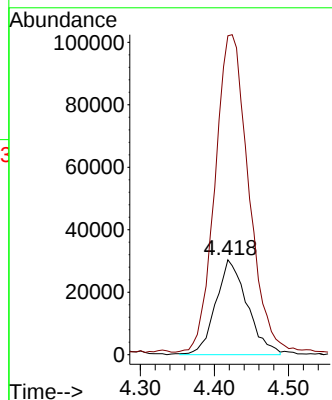
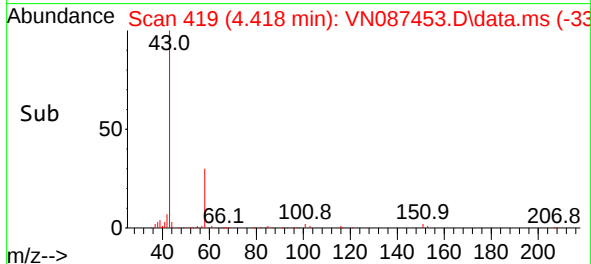
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 58 Resp: 89398
Ion Ratio Lower Upper
58 100
43 336.1 268.9 403.3

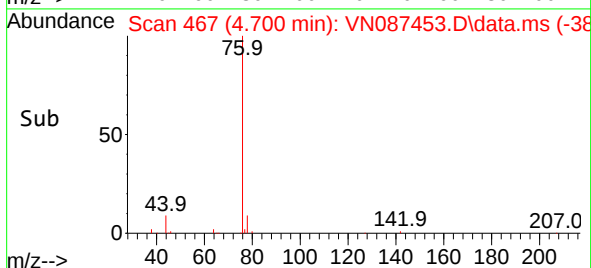
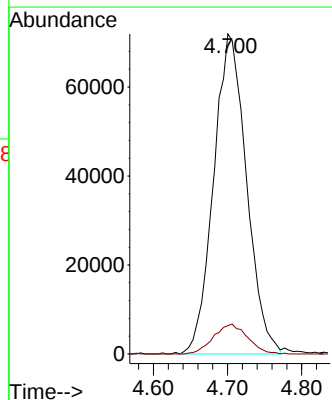
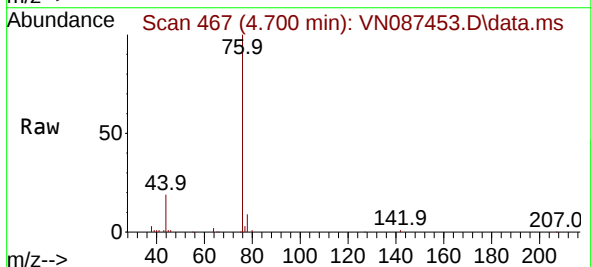
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#16
Carbon Disulfide
Concen: 20.310 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

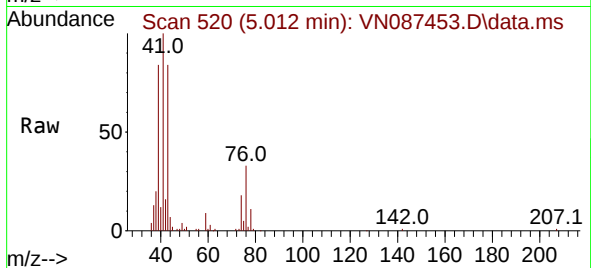
Tgt Ion: 76 Resp: 221586
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7





#17
 Allyl chloride
 Concen: 20.170 ug/l
 RT: 5.012 min Scan# 517
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58

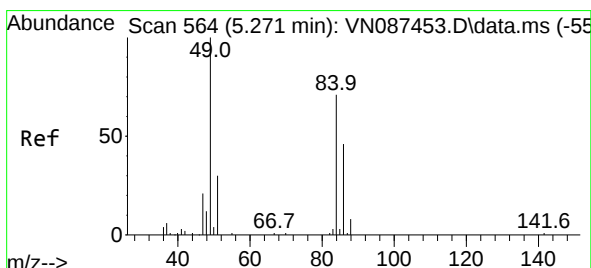
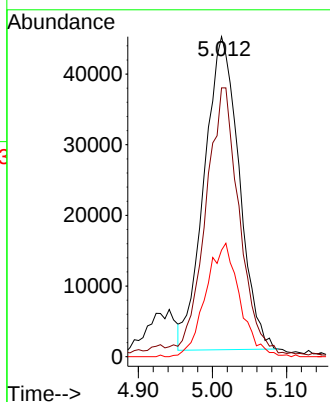
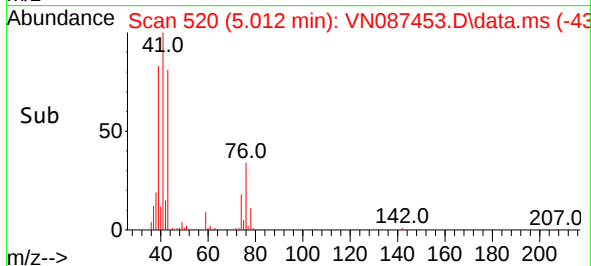
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 41 Resp: 14459
 Ion Ratio Lower Upper
 41 100
 39 84.8 42.4 127.2
 76 33.7 16.9 50.6

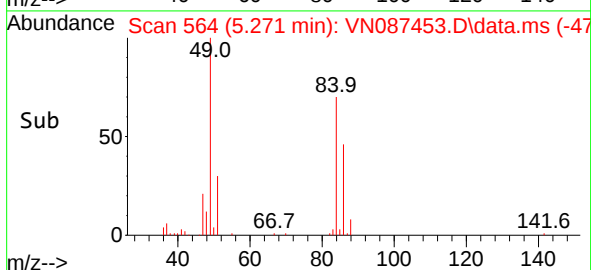
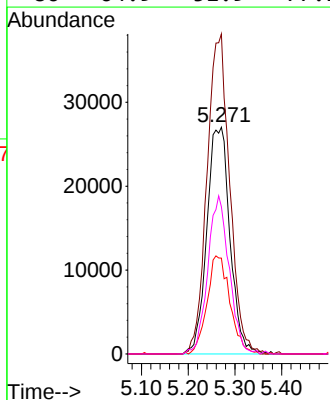
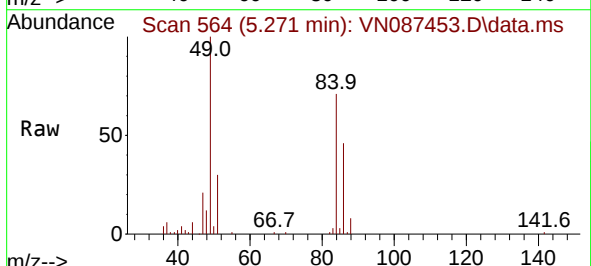
Manual Integrations
 APPROVED

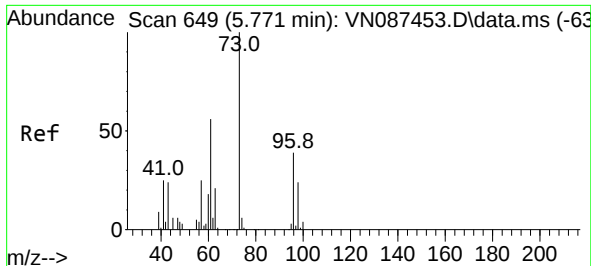
Reviewed By :John Carlone 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025



#18
 Methylene Chloride
 Concen: 20.501 ug/l m
 RT: 5.271 min Scan# 564
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58

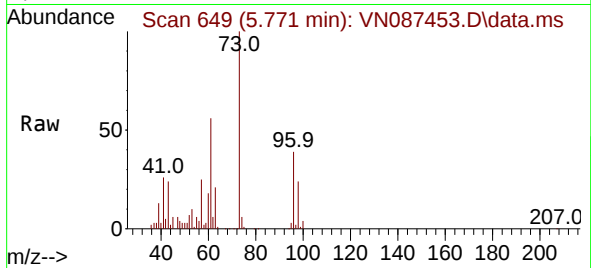
Tgt Ion: 84 Resp: 92808
 Ion Ratio Lower Upper
 84 100
 49 141.1 112.9 169.3
 51 42.3 33.8 50.8
 86 64.9 51.9 77.9





#19
trans-1,2-Dichloroethene
Concen: 20.613 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

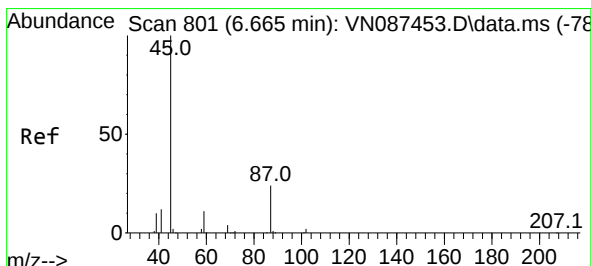
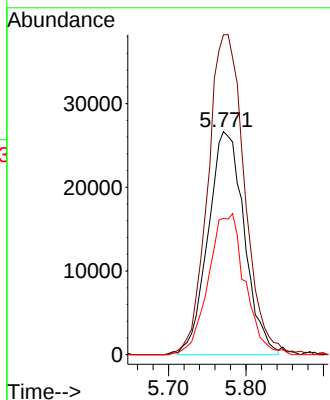
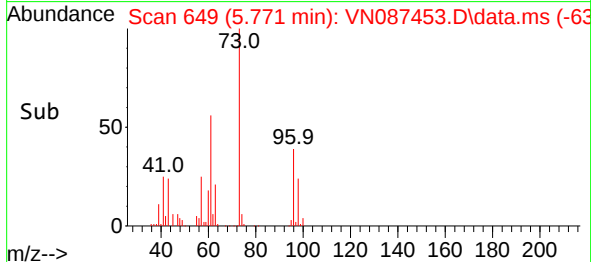
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 96 Resp: 86210
Ion Ratio Lower Upper
96 100
61 142.8 114.2 171.4
98 60.9 48.7 73.1

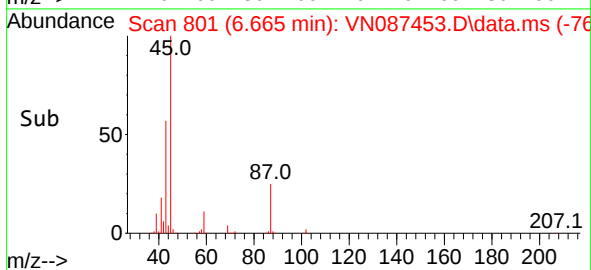
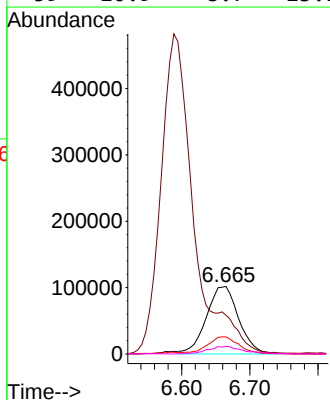
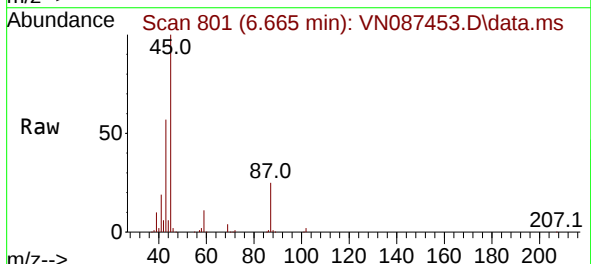
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#20
Diisopropyl ether
Concen: 20.517 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

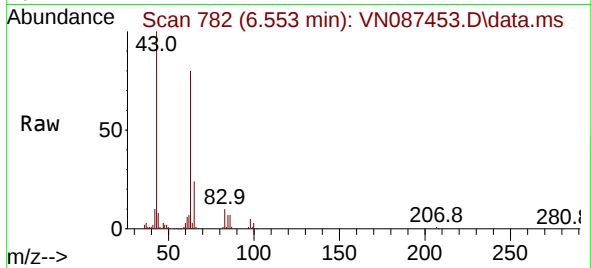
Tgt Ion: 45 Resp: 334922
Ion Ratio Lower Upper
45 100
43 55.9 44.7 67.1
87 25.2 20.2 30.2
59 10.9 8.7 13.1





#21
1,1-Dichloroethane
Concen: 21.030 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

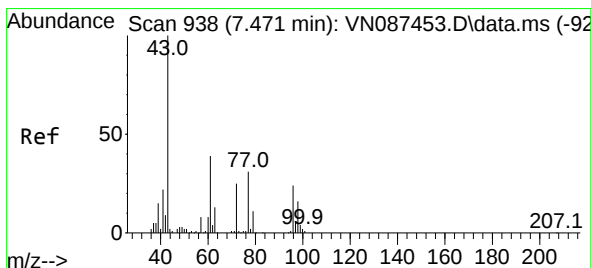
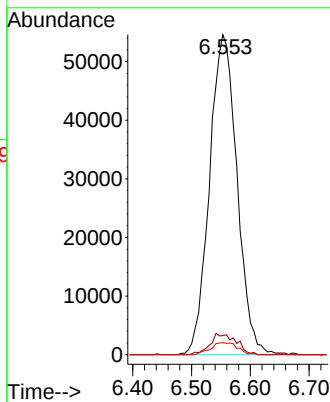
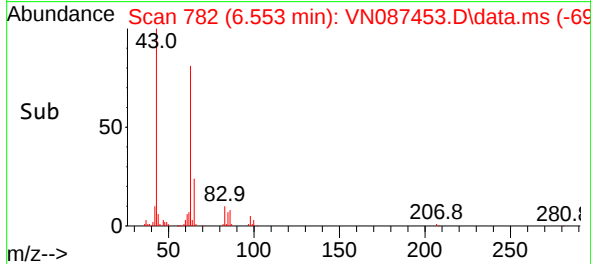
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



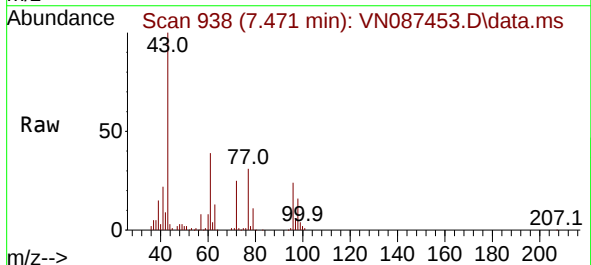
Tgt Ion: 63 Resp: 177532
Ion Ratio Lower Upper
63 100
98 6.0 3.0 9.0
100 3.8 1.9 5.7

Manual Integrations
APPROVED

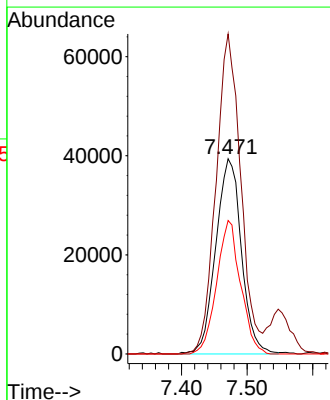
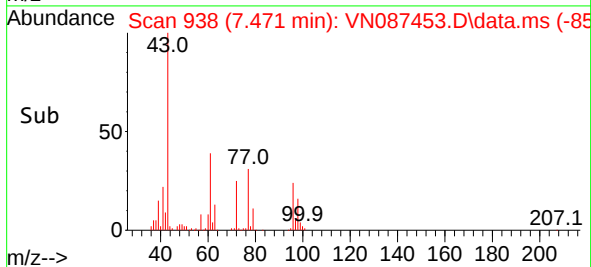
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#22
cis-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



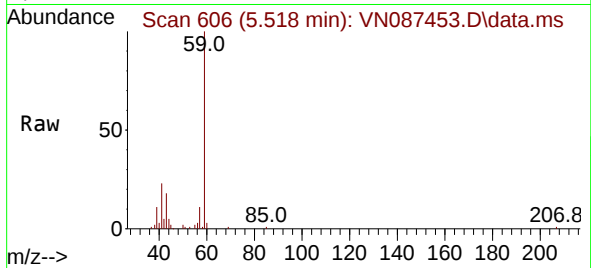
Tgt Ion: 96 Resp: 106998
Ion Ratio Lower Upper
96 100
61 158.3 126.6 190.0
98 63.6 50.9 76.3





#23
tert-Butyl Alcohol
Concen: 101.156 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

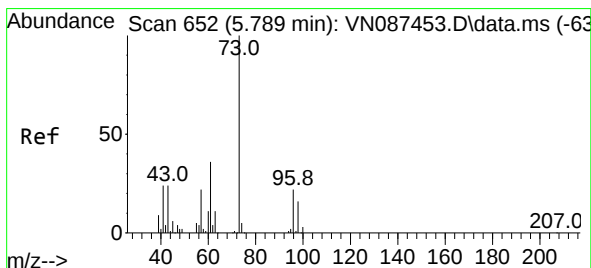
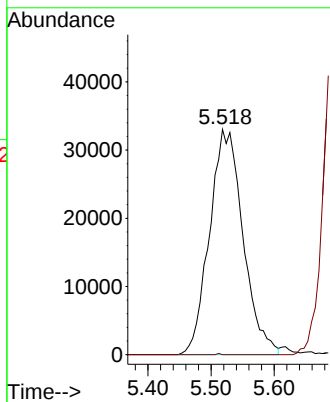
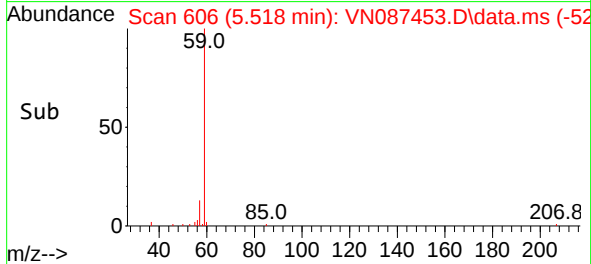
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



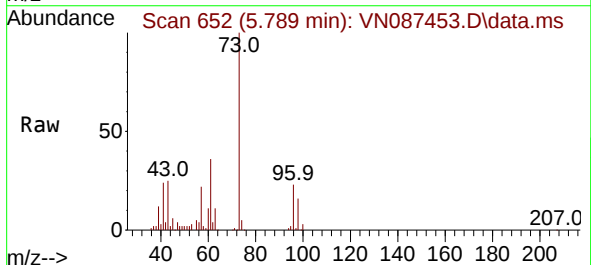
Tgt Ion: 59 Resp: 121824
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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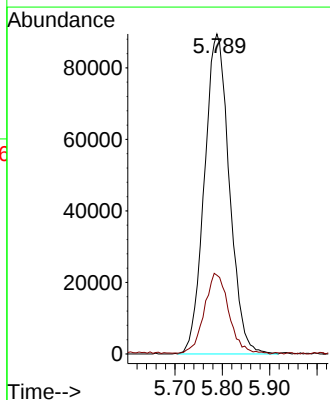
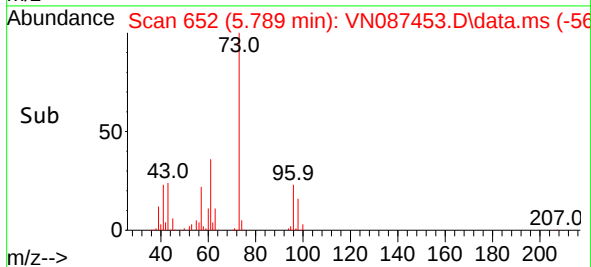
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

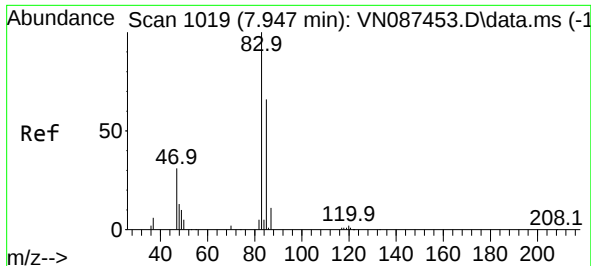


#24
Methyl tert-Butyl Ether
Concen: 20.452 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



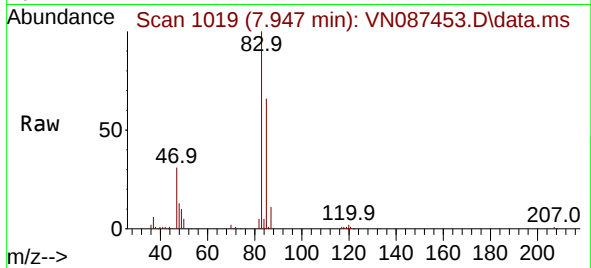
Tgt Ion: 73 Resp: 327775
Ion Ratio Lower Upper
73 100
43 24.9 19.9 29.9





#25
Chloroform
Concen: 20.518 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

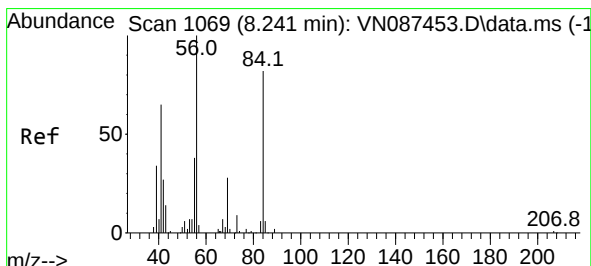
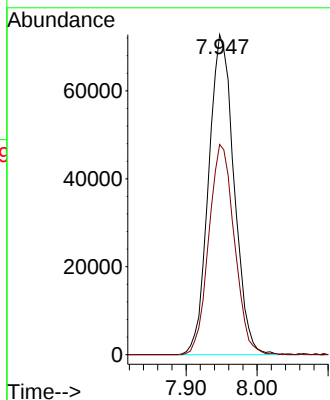
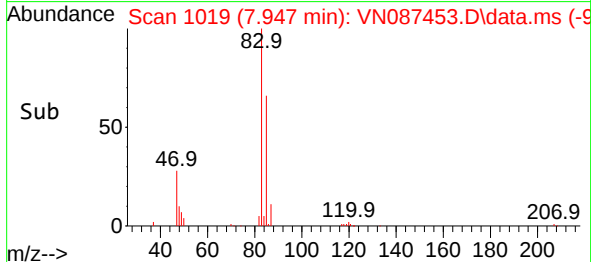
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 18079
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8

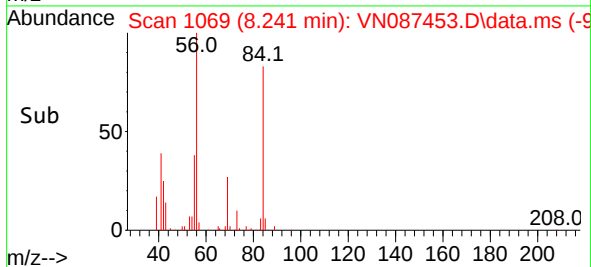
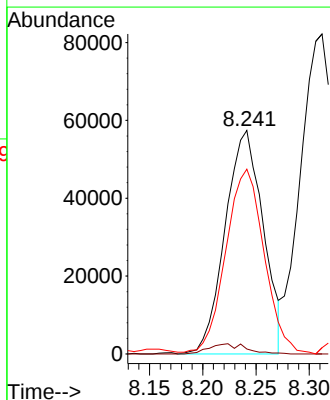
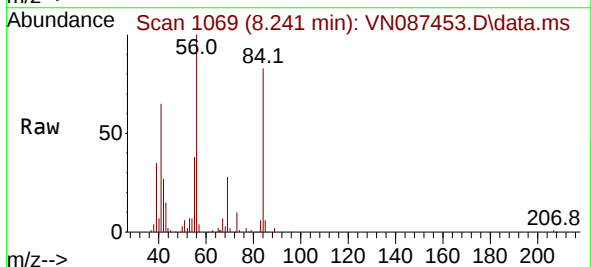
Manual Integrations
APPROVED

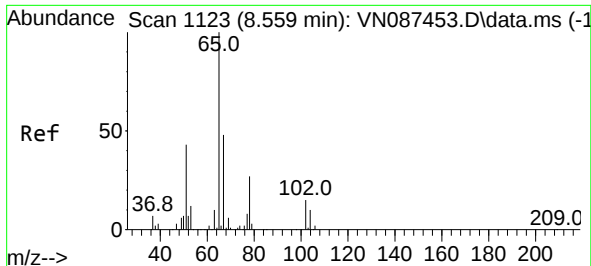
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#26
Cyclohexane
Concen: 21.086 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

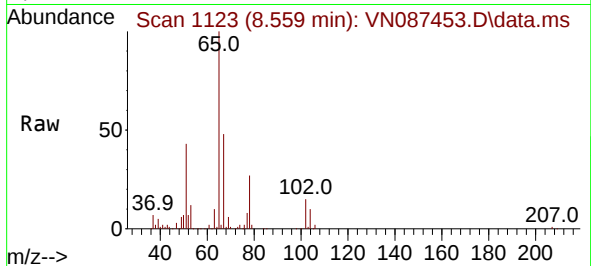
Tgt Ion: 56 Resp: 142519
Ion Ratio Lower Upper
56 100
89 2.9 2.3 3.5
84 83.7 67.0 100.4





#27
1,2-Dichloroethane-d4
Concen: 30.767 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

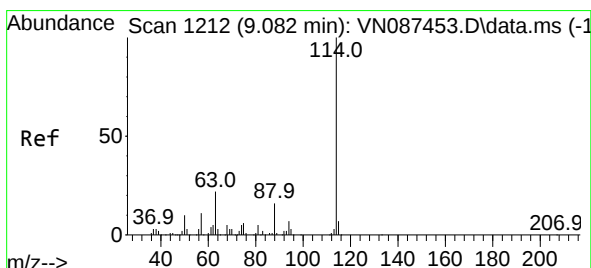
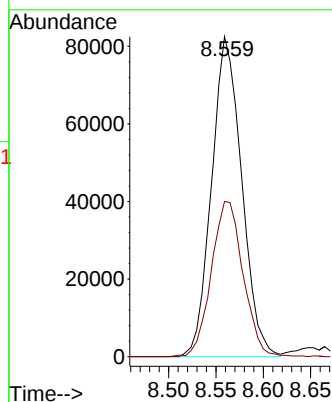
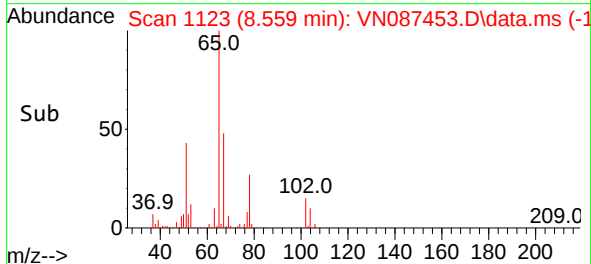
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



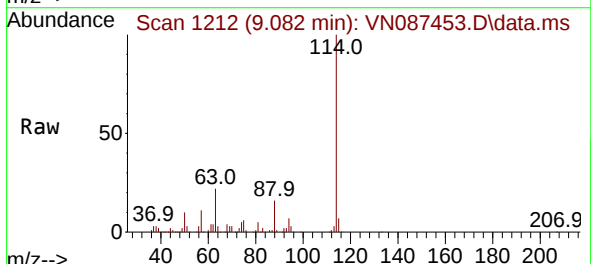
Tgt Ion: 65 Resp: 182238
Ion Ratio Lower Upper
65 100
67 51.0 40.8 61.2

Manual Integrations
APPROVED

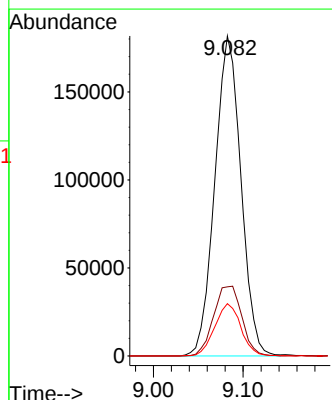
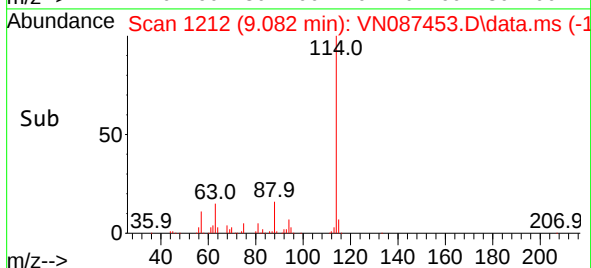
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

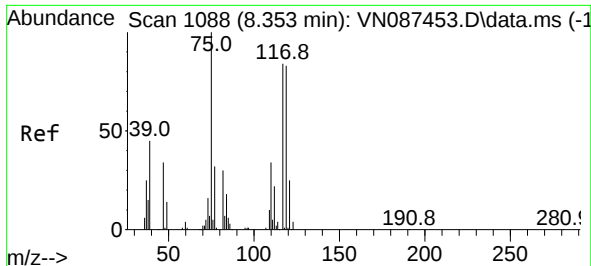


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



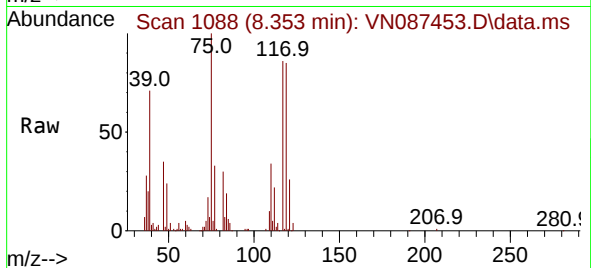
Tgt Ion:114 Resp: 367115
Ion Ratio Lower Upper
114 100
63 23.6 18.9 28.3
88 16.4 13.1 19.7





#29
1,1-Dichloropropene
Concen: 20.042 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

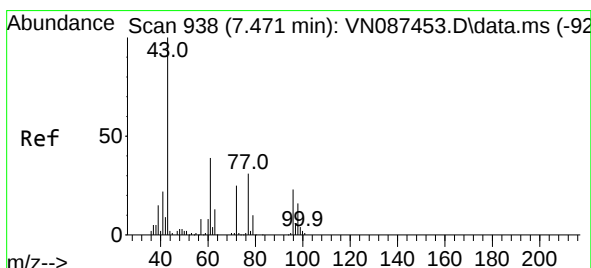
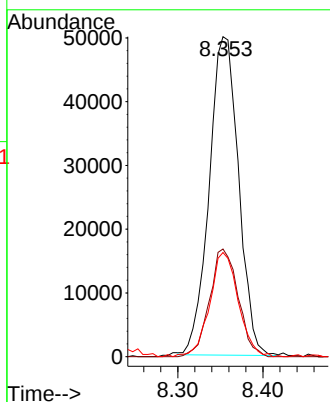
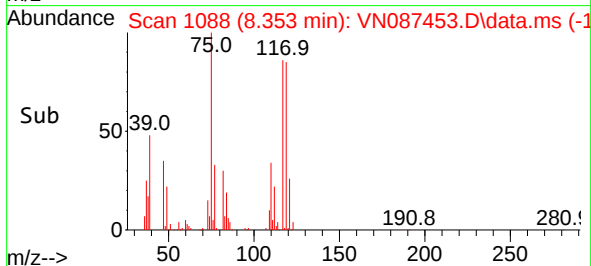
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



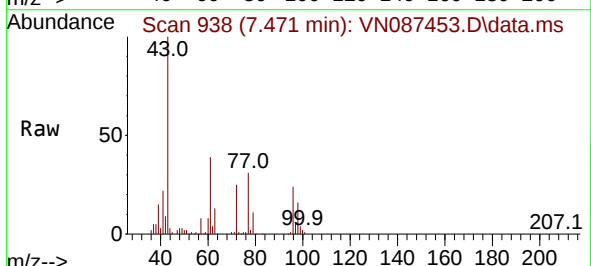
Tgt Ion: 75 Resp: 12000
Ion Ratio Lower Upper
75 100
110 32.9 0.0 65.8
77 31.8 0.0 63.6

Manual Integrations
APPROVED

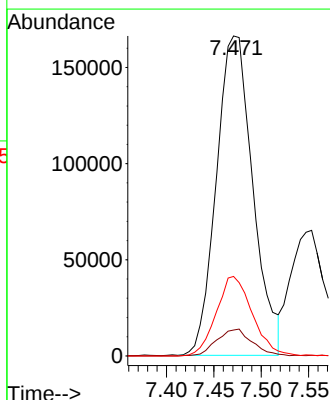
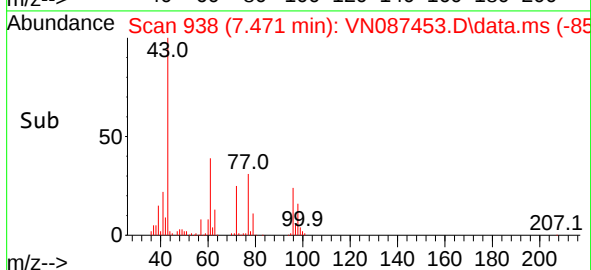
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

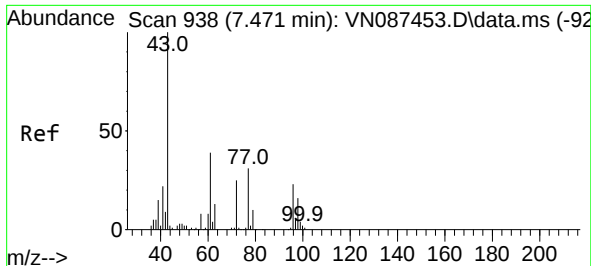


#30
2-Butanone
Concen: 101.104 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



Tgt Ion: 43 Resp: 446235
Ion Ratio Lower Upper
43 100
57 8.2 6.6 9.8
72 24.6 19.7 29.5





#31

2,2-Dichloropropane

Concen: 20.233 ug/l

RT: 7.471 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087453.D

Acq: 05 Aug 2025 13:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 77 Resp: 15625

Ion Ratio Lower Upper

77 100

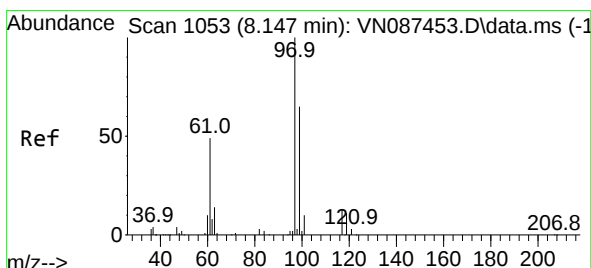
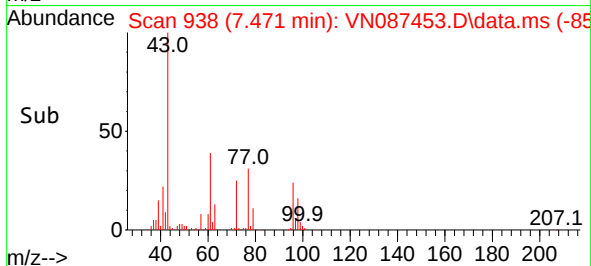
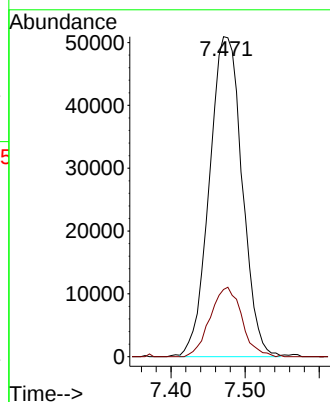
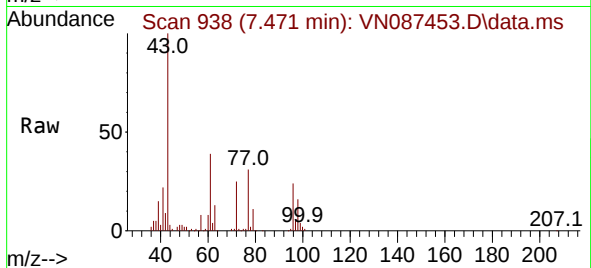
97 20.9 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/06/2025

Supervised By :Mahesh Dadoda 08/06/2025



#32

1,1,1-Trichloroethane

Concen: 19.812 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087453.D

Acq: 05 Aug 2025 13:58

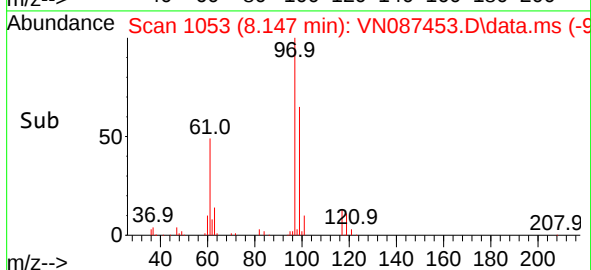
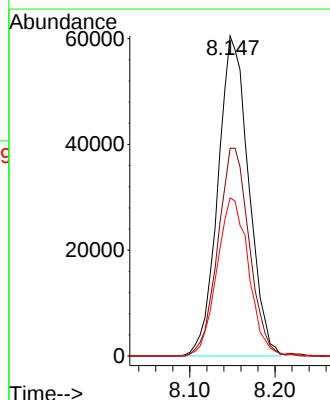
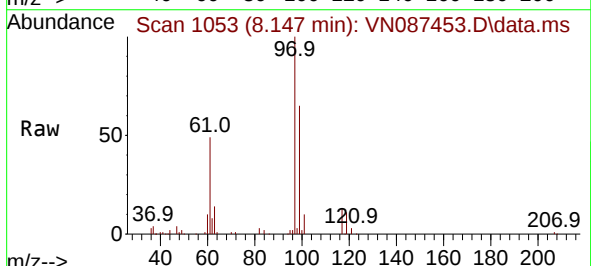
Tgt Ion: 97 Resp: 151297

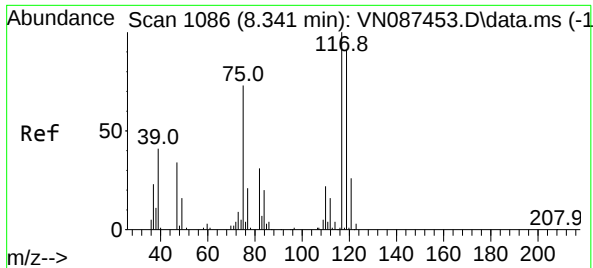
Ion Ratio Lower Upper

97 100

99 66.3 53.0 79.6

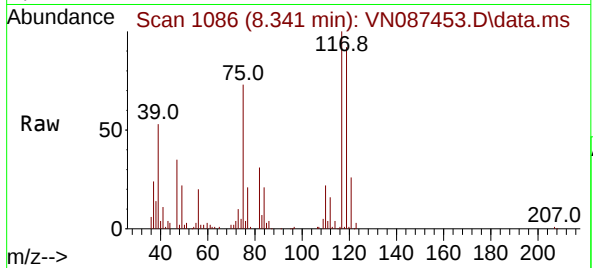
61 50.8 40.6 61.0





#33
Carbon Tetrachloride
Concen: 20.070 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

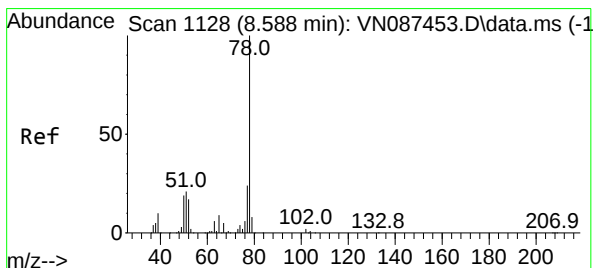
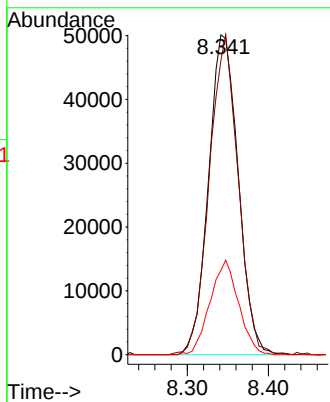
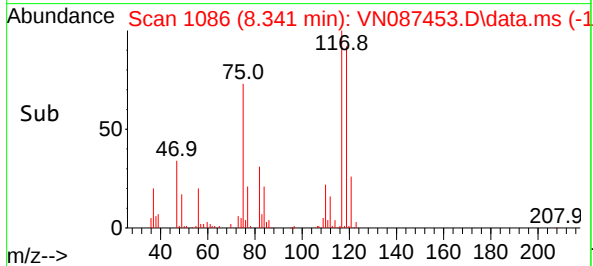
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 117 Resp: 127325
Ion Ratio Lower Upper
117 100
119 91.7 73.4 110.0
121 26.4 21.1 31.7

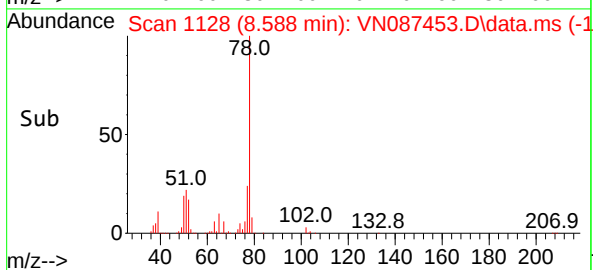
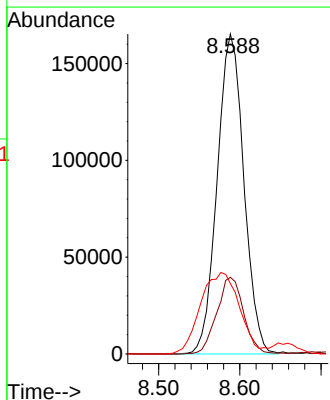
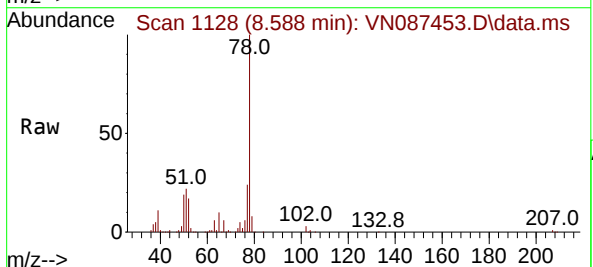
Manual Integrations
APPROVED

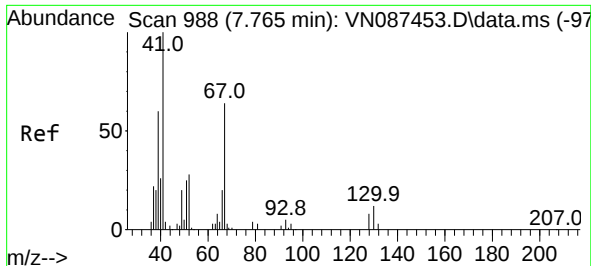
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#34
Benzene
Concen: 19.946 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

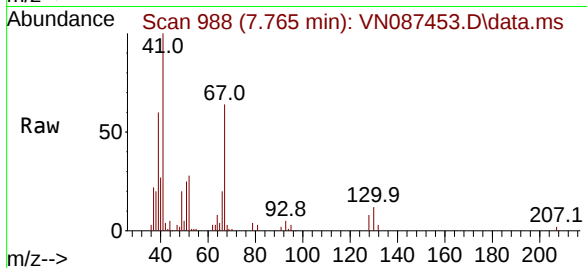
Tgt Ion: 78 Resp: 377003
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8
51 21.1 16.9 25.3





#35
Methacrylonitrile
Concen: 20.484 ug/l
RT: 7.765 min Scan# 988
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

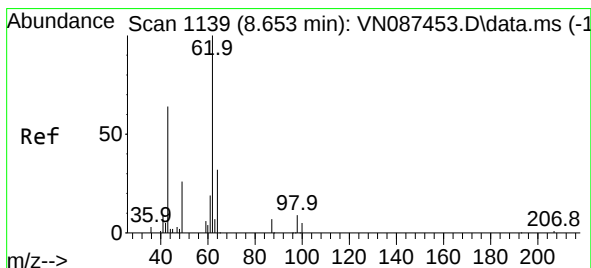
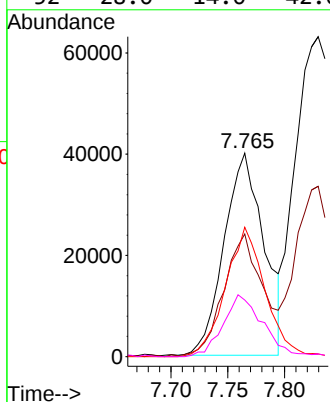
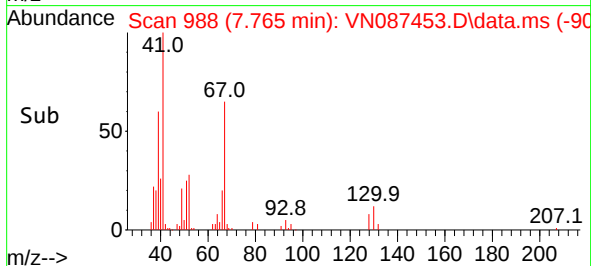
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.3	30.1	90.5
67	64.1	32.0	96.2
52	28.0	14.0	42.0

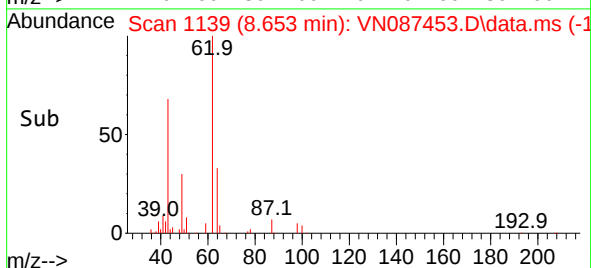
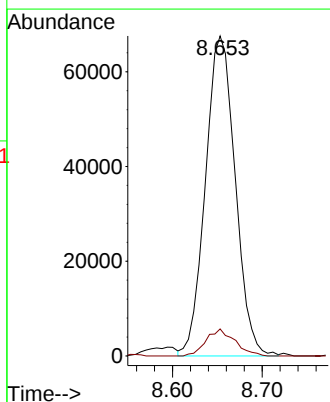
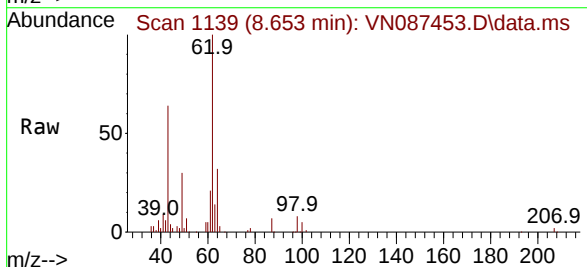
Manual Integrations
APPROVED

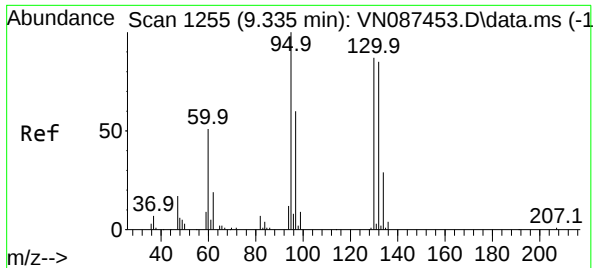
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#36
1,2-Dichloroethane
Concen: 20.373 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.6	9.8





#37

Trichloroethene

Concen: 20.264 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN087453.D

Acq: 05 Aug 2025 13:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:130 Resp: 84369

Ion Ratio Lower Upper

130 100

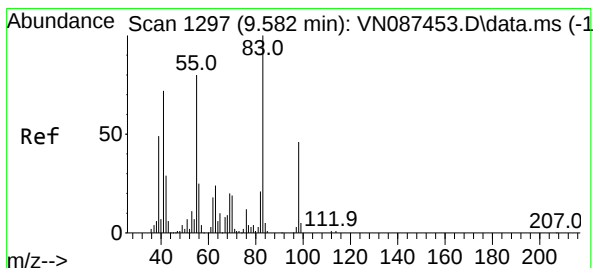
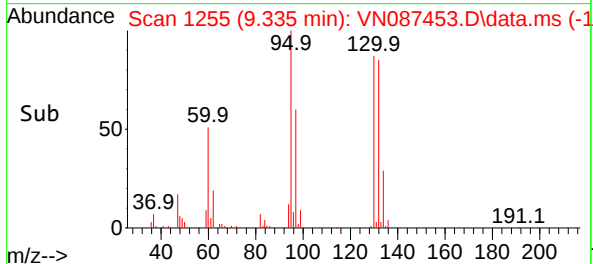
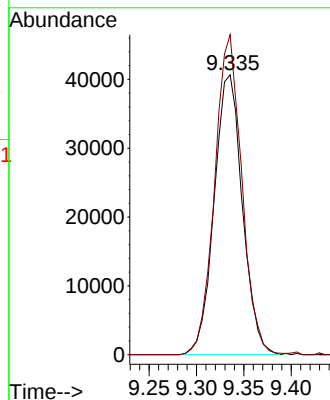
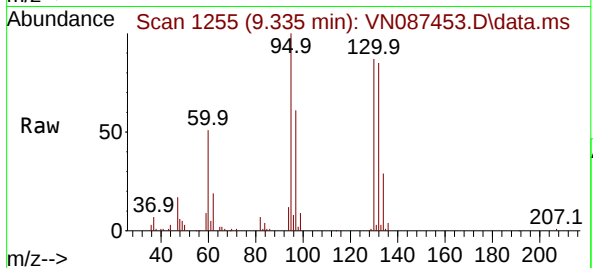
95 114.3 91.4 137.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/06/2025

Supervised By :Mahesh Dadoda 08/06/2025



#38

Methylcyclohexane

Concen: 20.147 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087453.D

Acq: 05 Aug 2025 13:58

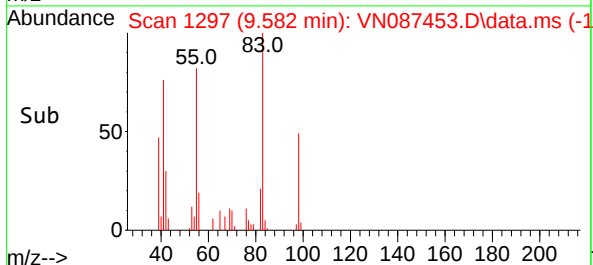
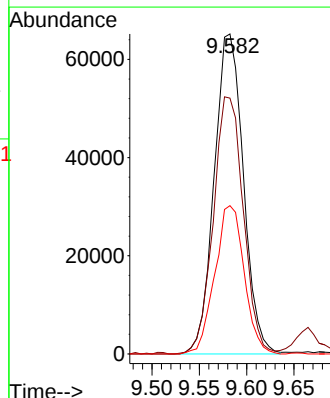
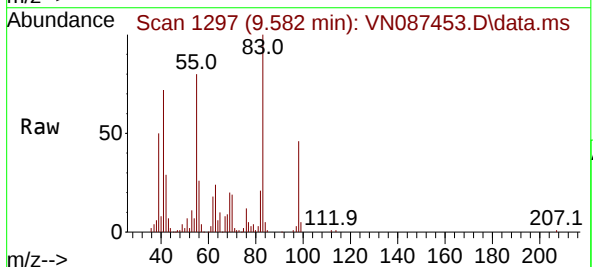
Tgt Ion: 83 Resp: 139951

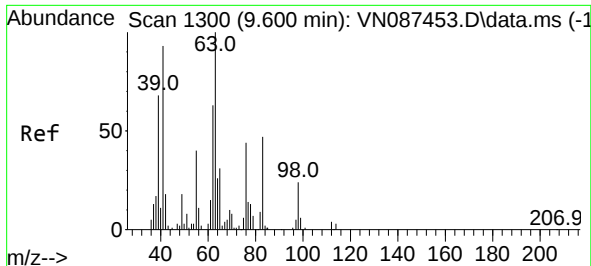
Ion Ratio Lower Upper

83 100

55 82.4 41.2 123.6

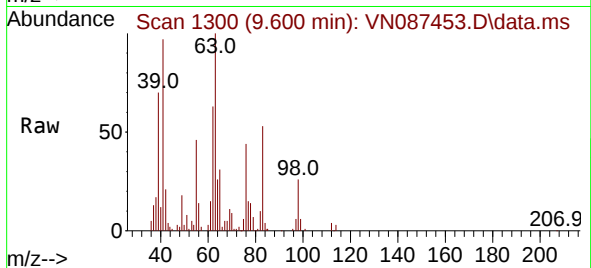
98 46.6 23.3 69.9





#39
1,2-Dichloropropane
Concen: 20.230 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

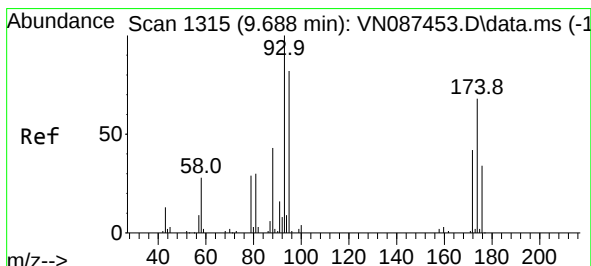
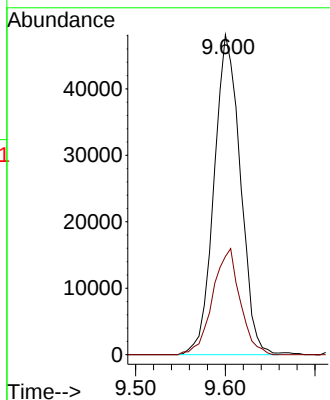
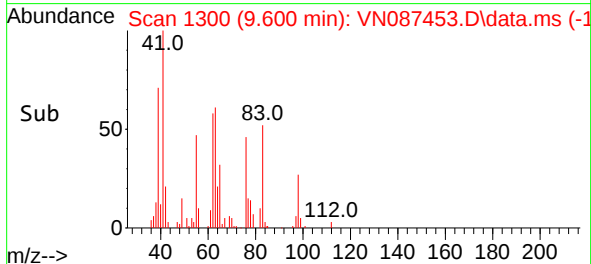
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



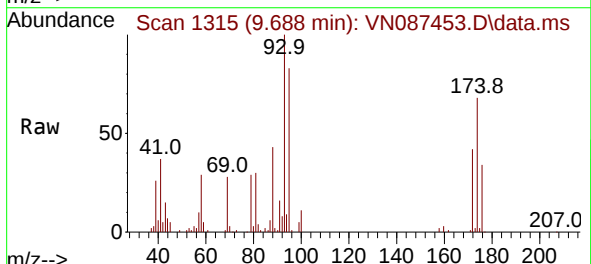
Tgt Ion: 63 Resp: 98038
Ion Ratio Lower Upper
63 100
65 30.7 24.6 36.8

Manual Integrations
APPROVED

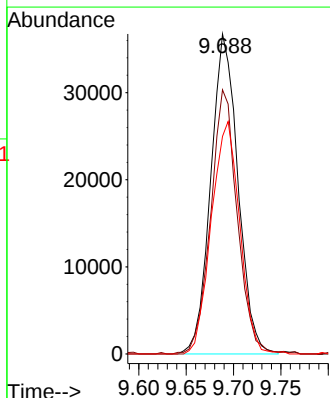
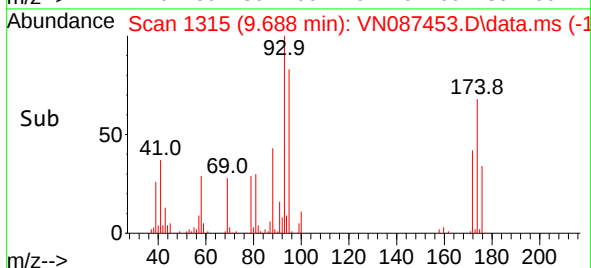
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

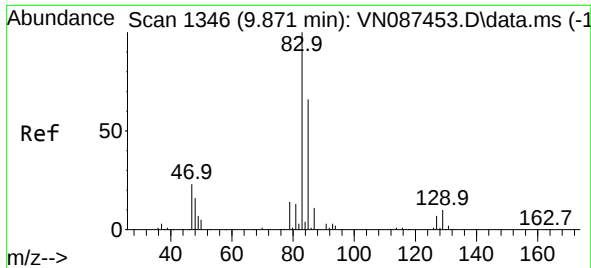


#40
Dibromomethane
Concen: 20.175 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



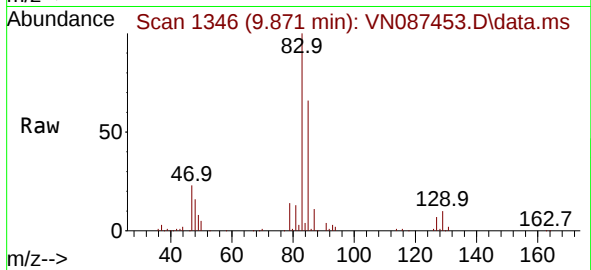
Tgt Ion: 93 Resp: 73356
Ion Ratio Lower Upper
93 100
95 80.8 0.0 161.6
174 75.7 0.0 151.4





#41
Bromodichloromethane
Concen: 19.646 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

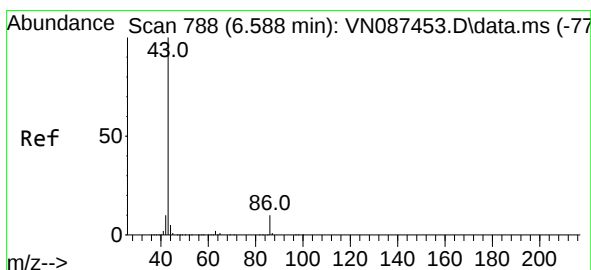
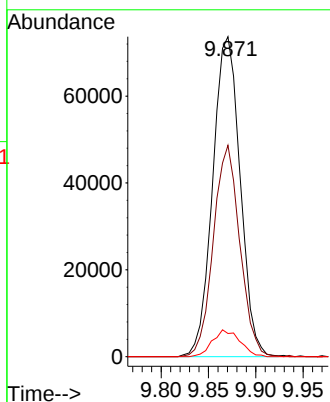
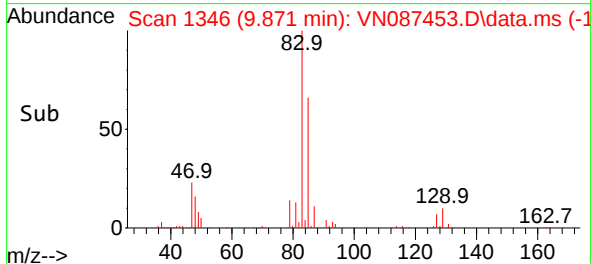
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 148435
Ion Ratio Lower Upper
83 100
85 66.1 52.9 79.3
127 7.2 5.8 8.6

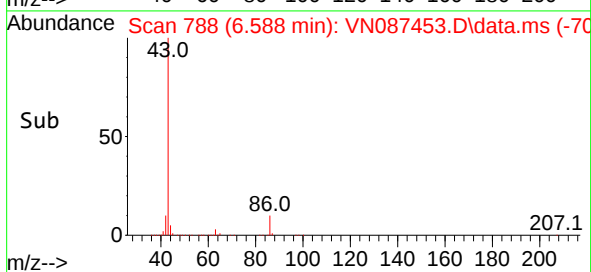
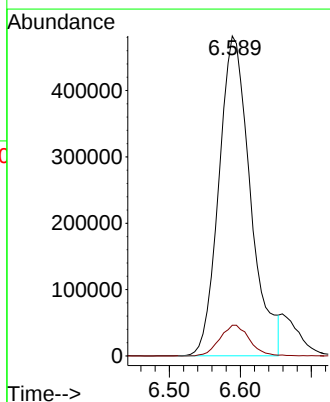
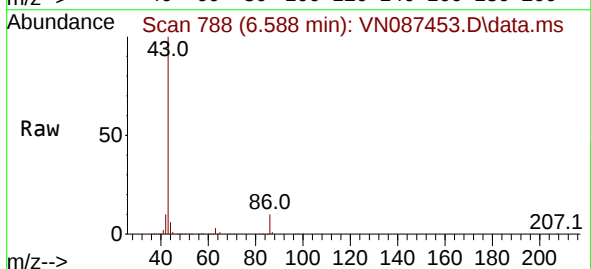
Manual Integrations
APPROVED

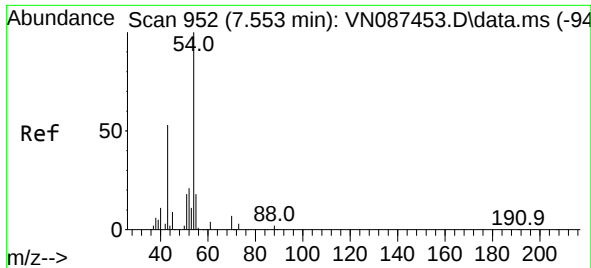
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#42
Vinyl Acetate
Concen: 102.044 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

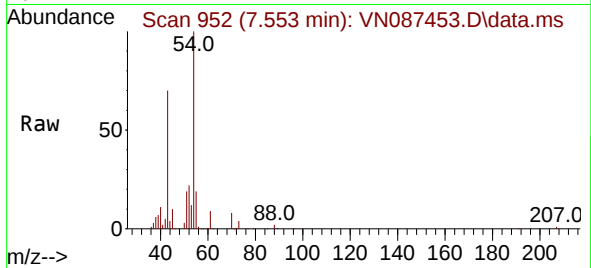
Tgt Ion: 43 Resp: 1483194
Ion Ratio Lower Upper
43 100
86 9.1 7.3 10.9





#43
Ethyl Acetate
Concen: 20.349 ug/l m
RT: 7.553 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

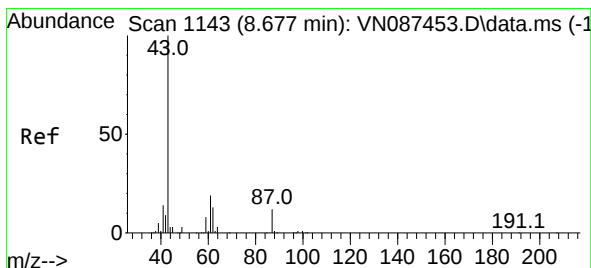
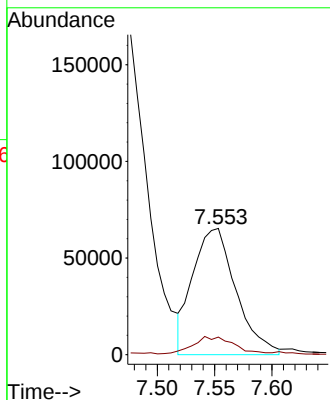
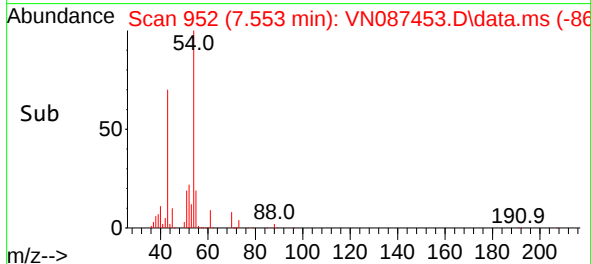
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 17096
Ion Ratio Lower Upper
43 100
45 13.9 11.1 16.7

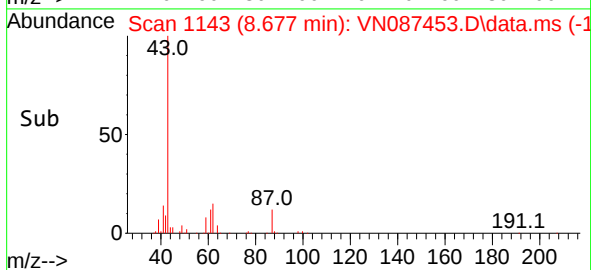
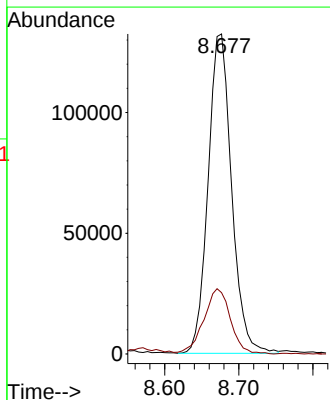
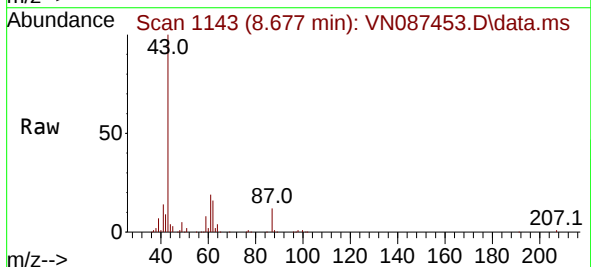
Manual Integrations
APPROVED

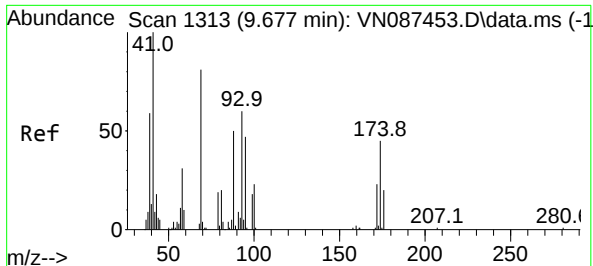
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#44
Isopropyl Acetate
Concen: 20.169 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Tgt Ion: 43 Resp: 291509
Ion Ratio Lower Upper
43 100
61 23.3 18.6 28.0





#45

1,4-Dioxane

Concen: 411.437 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN087453.D

Acq: 05 Aug 2025 13:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 88 Resp: 37910

Ion Ratio Lower Upper

88 100

43 30.1 24.1 36.1

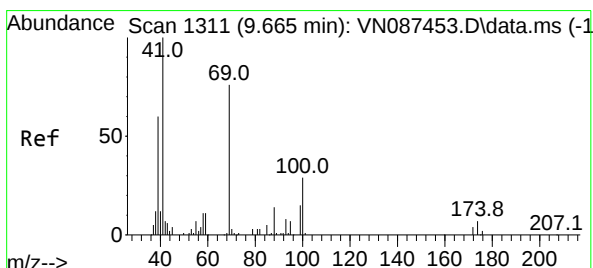
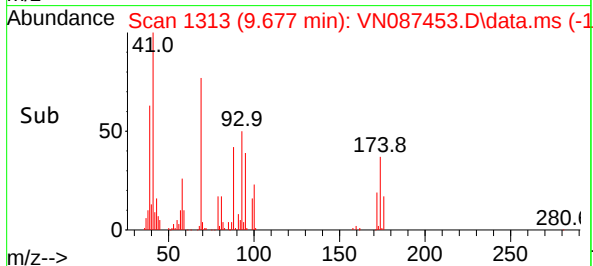
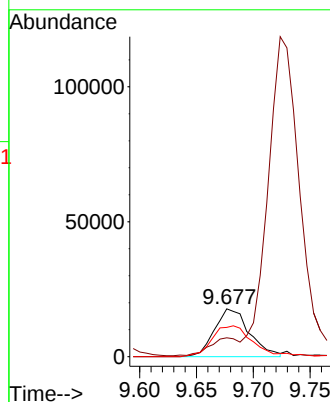
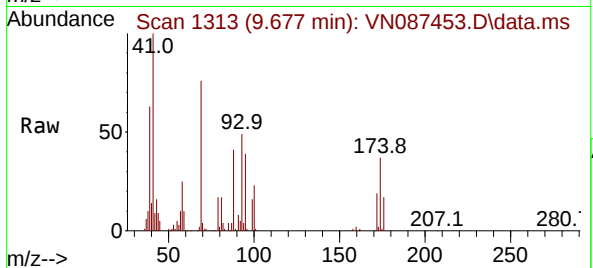
58 71.5 57.2 85.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/06/2025

Supervised By :Mahesh Dadoda 08/06/2025



#46

Methyl methacrylate

Concen: 20.024 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VN087453.D

Acq: 05 Aug 2025 13:58

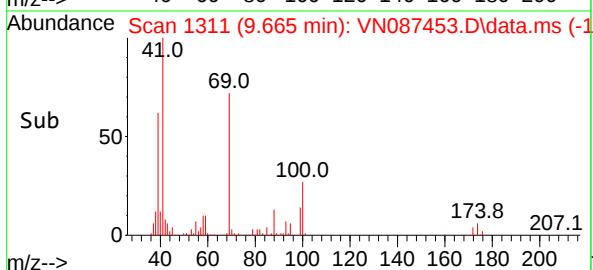
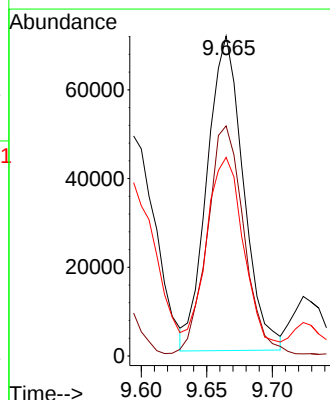
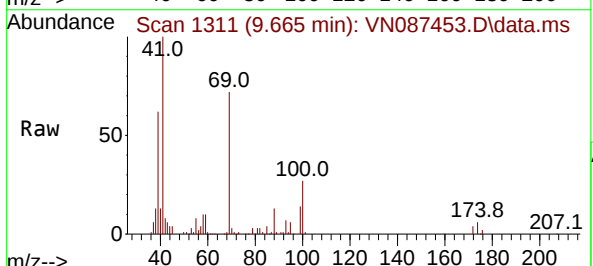
Tgt Ion: 41 Resp: 136612

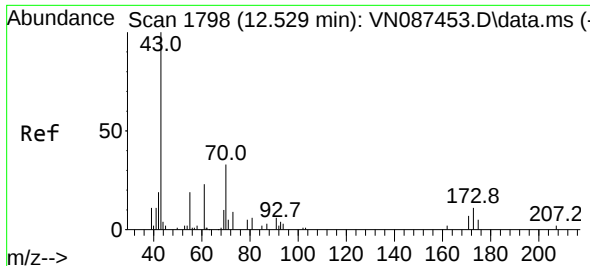
Ion Ratio Lower Upper

41 100

69 74.3 37.1 111.5

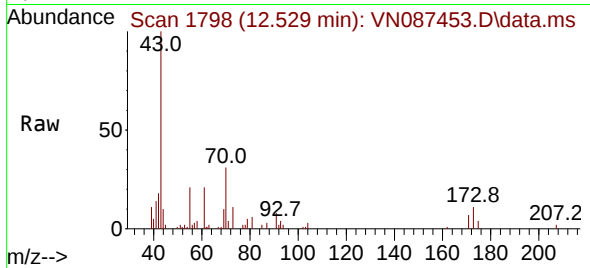
39 61.4 30.7 92.1





#47
n-amy1 Acetate
Concen: 19.052 ug/l m
RT: 12.529 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

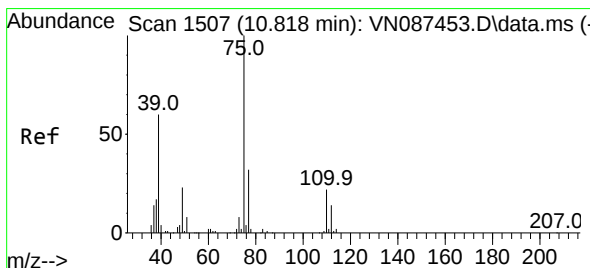
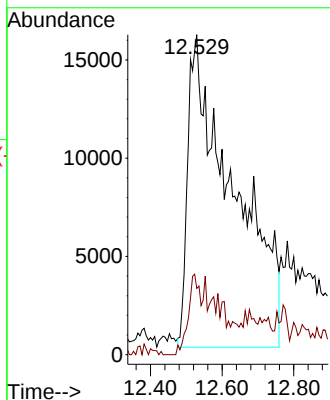
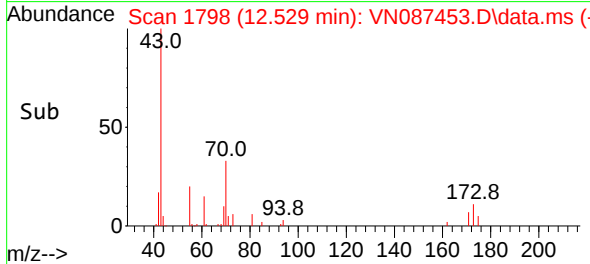
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



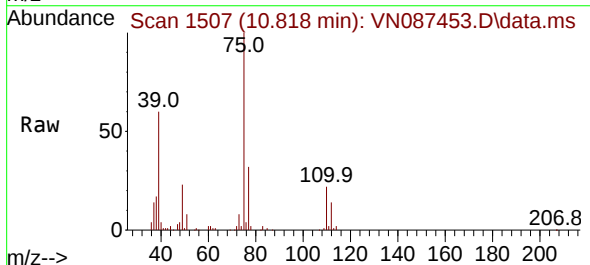
Tgt Ion: 43 Resp: 138459
Ion Ratio Lower Upper
43 100
55 6.0 4.6 6.8

Manual Integrations
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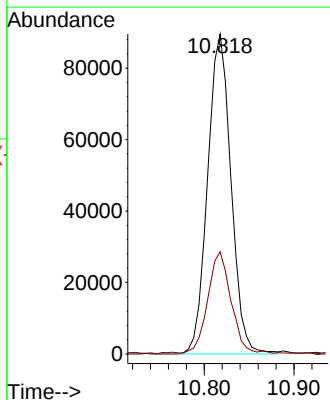
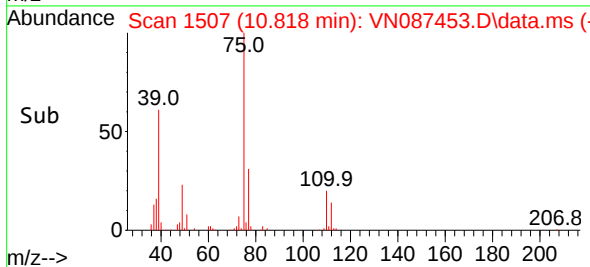
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

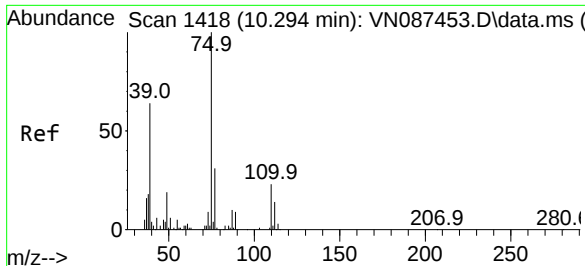


#48
t-1,3-Dichloropropene
Concen: 19.732 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



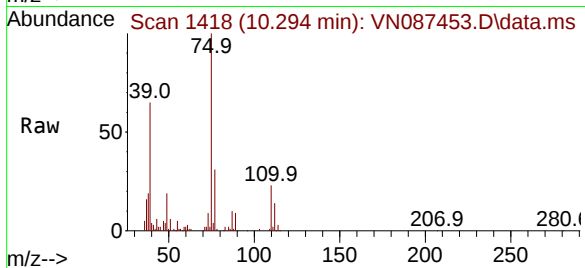
Tgt Ion: 75 Resp: 162191
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 19.641 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58

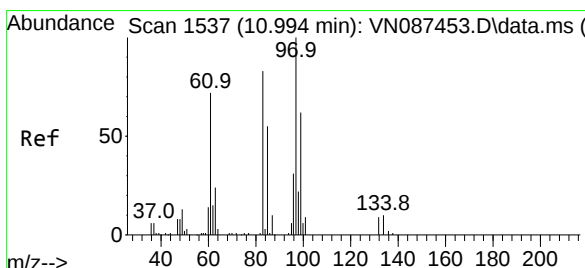
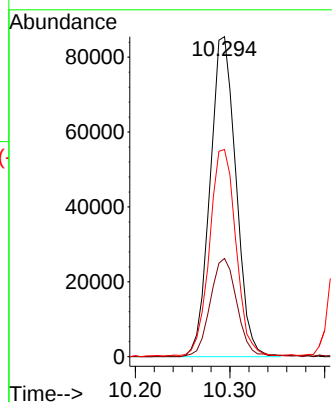
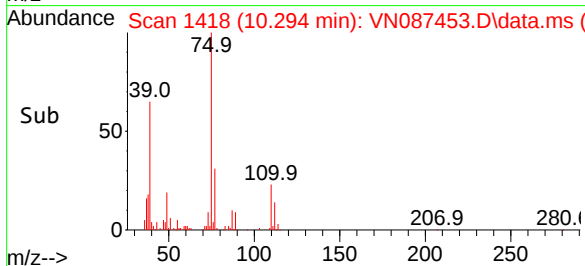
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 75 Resp: 162479
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 36.8
 39 64.4 51.5 77.3

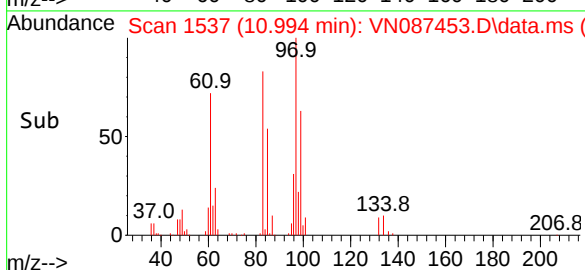
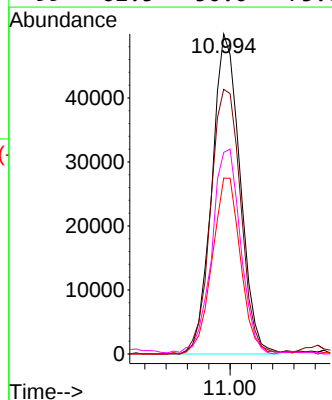
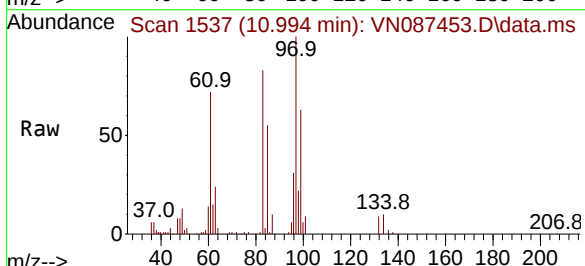
Manual Integrations
 APPROVED

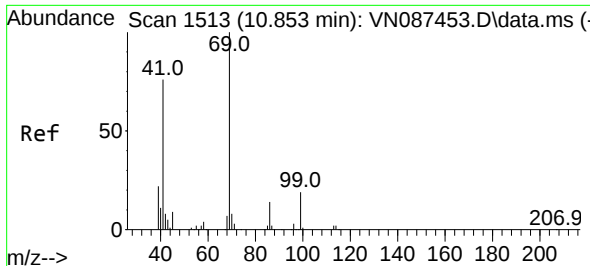
Reviewed By :John Carlone 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025



#50
 1,1,2-Trichloroethane
 Concen: 19.993 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58

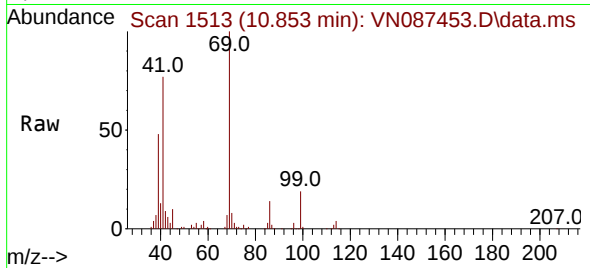
Tgt Ion: 97 Resp: 91845
 Ion Ratio Lower Upper
 97 100
 83 82.7 66.2 99.2
 85 54.9 43.9 65.9
 99 62.5 50.0 75.0





#51
Ethyl methacrylate
Concen: 19.738 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

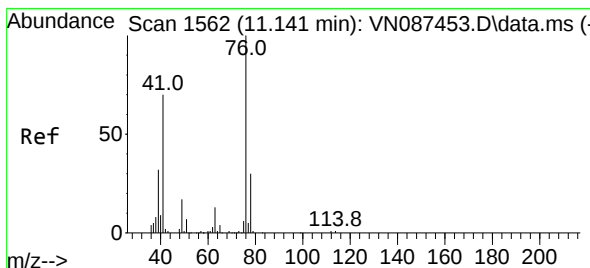
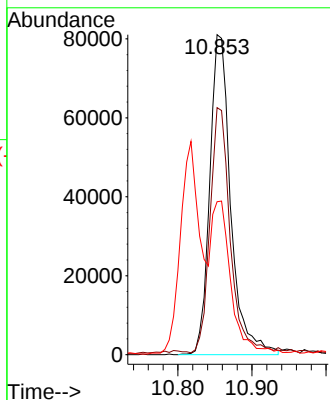
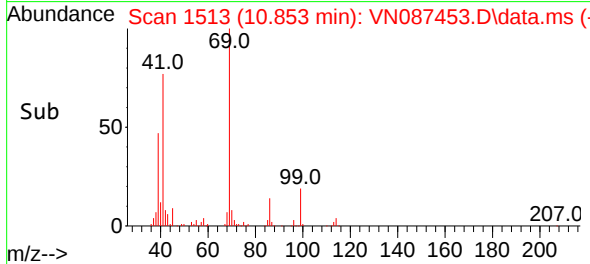
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 69 Resp: 159690
Ion Ratio Lower Upper
69 100
41 76.1 38.0 114.1
39 46.3 23.2 69.5

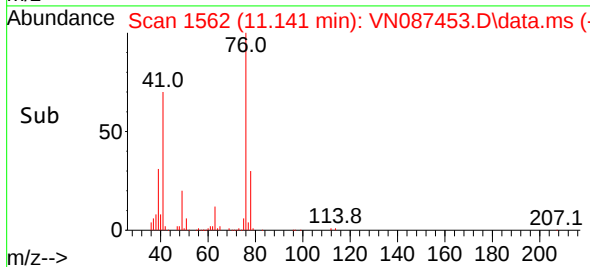
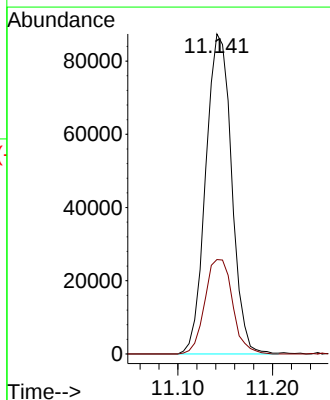
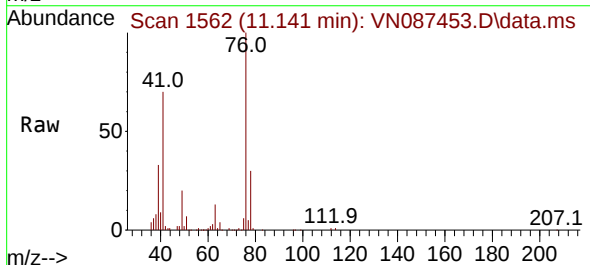
Manual Integrations
APPROVED

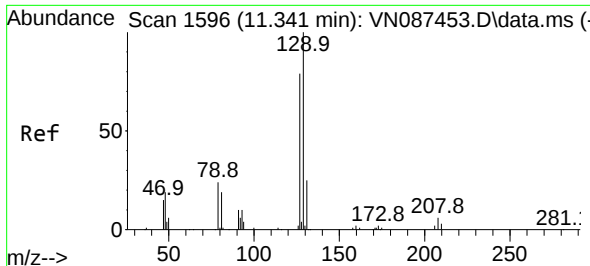
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#52
1,3-Dichloropropane
Concen: 20.044 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

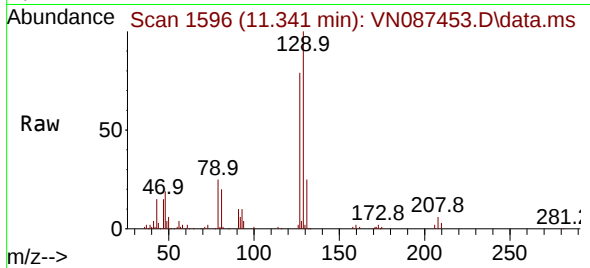
Tgt Ion: 76 Resp: 165895
Ion Ratio Lower Upper
76 100
78 31.5 0.0 63.0





#53
Dibromochloromethane
Concen: 19.563 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

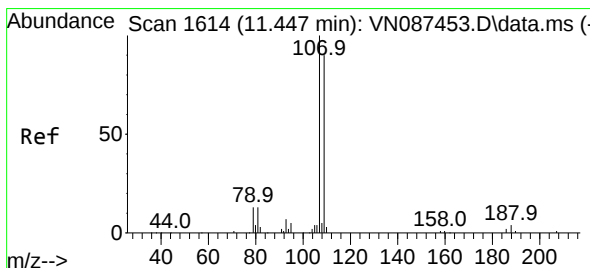
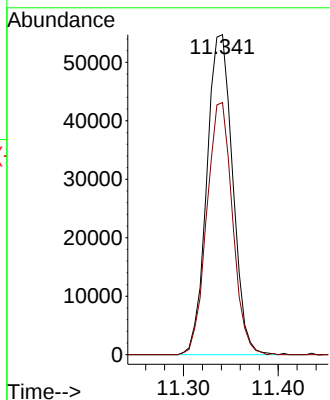
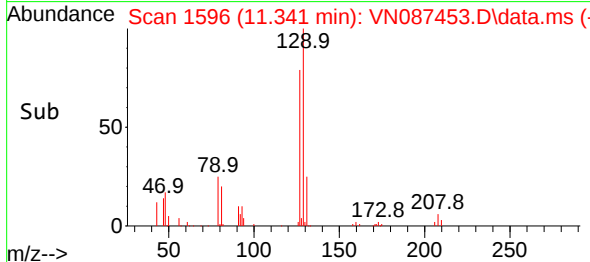
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



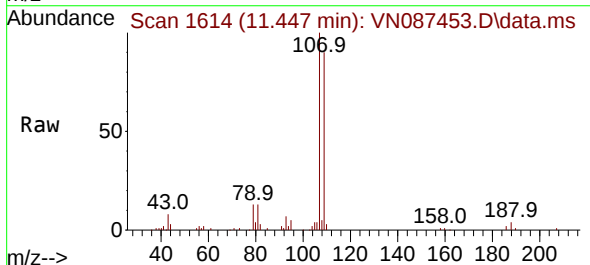
Tgt Ion:129 Resp: 103790
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3

Manual Integrations
APPROVED

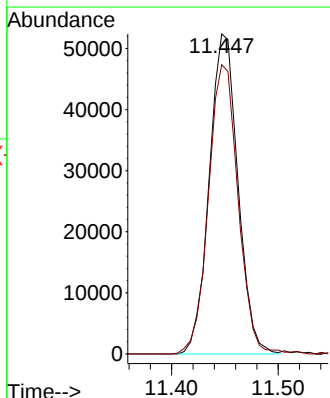
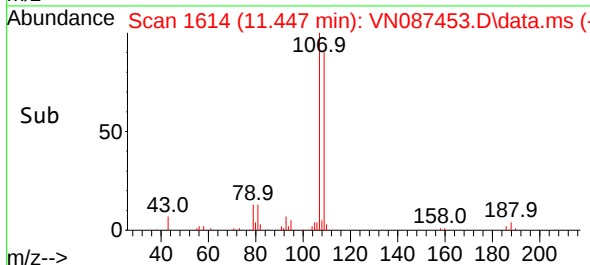
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

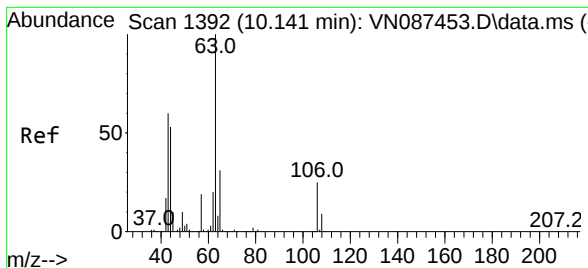


#54
1,2-Dibromoethane
Concen: 20.073 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



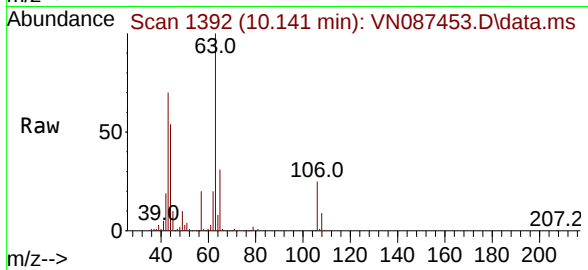
Tgt Ion:107 Resp: 97894
Ion Ratio Lower Upper
107 100
109 92.8 74.2 111.4





#55
2-Chloroethyl vinyl ether
Concen: 100.225 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

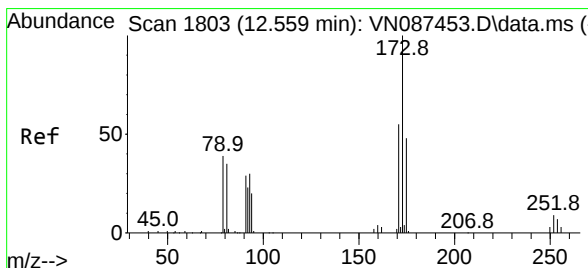
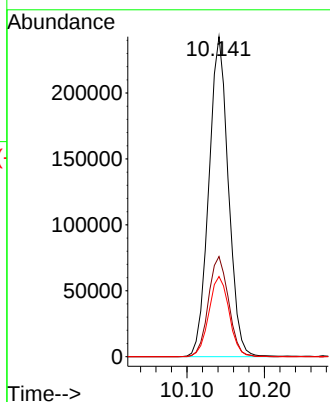
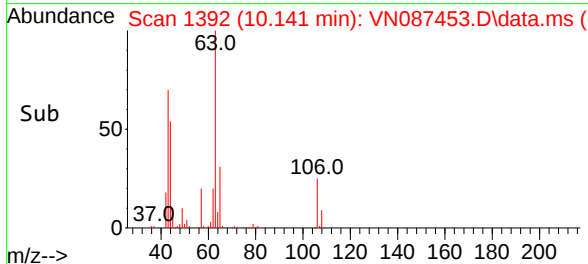
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 63 Resp: 426870
Ion Ratio Lower Upper
63 100
65 32.1 25.7 38.5
106 25.9 20.7 31.1

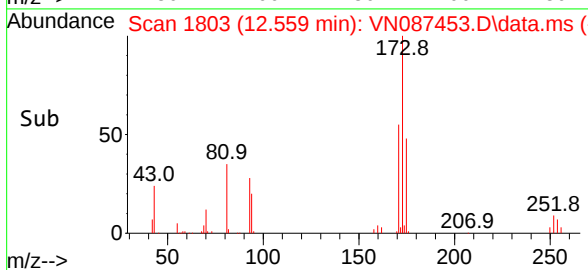
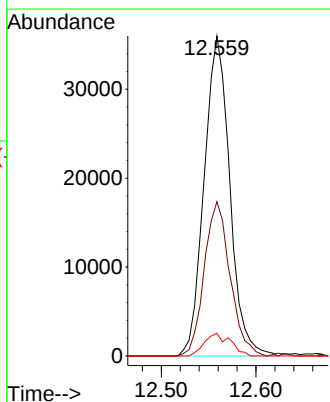
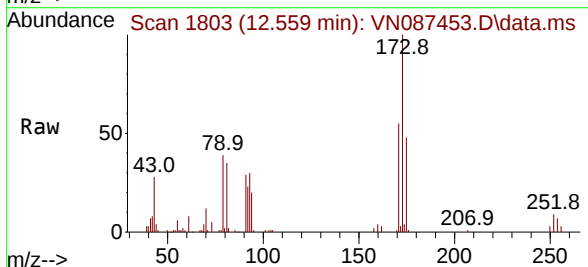
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#56
Bromoform
Concen: 19.250 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

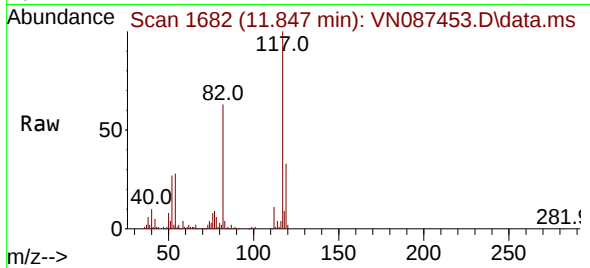
Tgt Ion:173 Resp: 67550
Ion Ratio Lower Upper
173 100
175 48.5 38.8 58.2
254 4.9 3.9 5.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1184
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

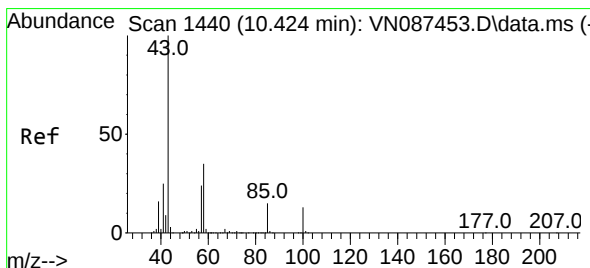
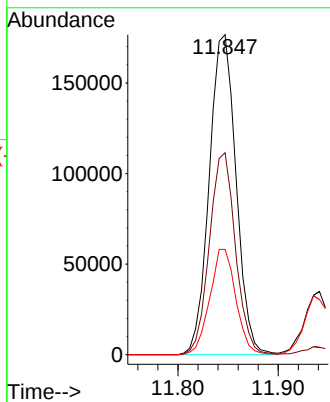
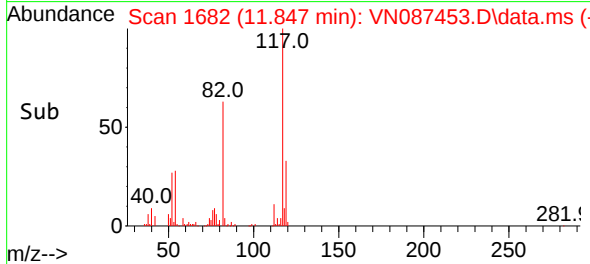
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 117 Resp: 327914
Ion Ratio Lower Upper
117 100
82 61.5 49.2 73.8
119 32.1 25.7 38.5

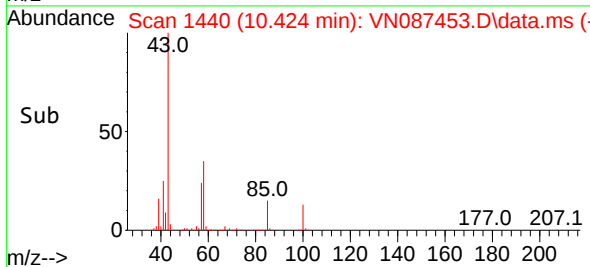
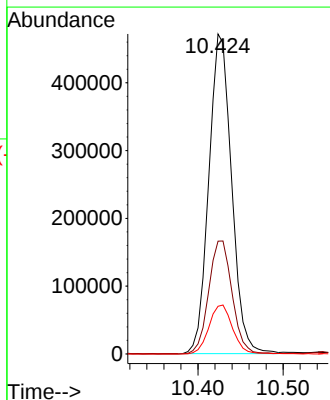
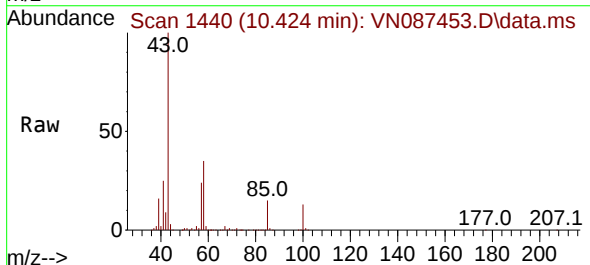
Manual Integrations
APPROVED

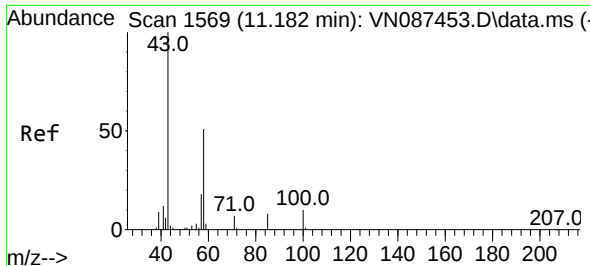
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#58
4-Methyl-2-Pentanone
Concen: 103.897 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Tgt Ion: 43 Resp: 876419
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.6
85 15.9 12.7 19.1





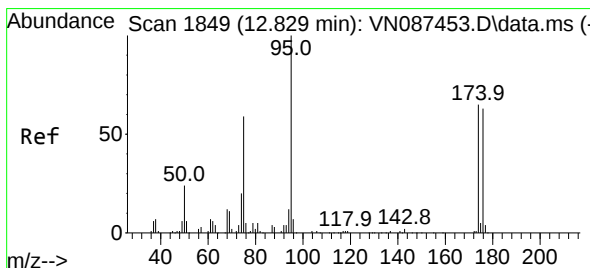
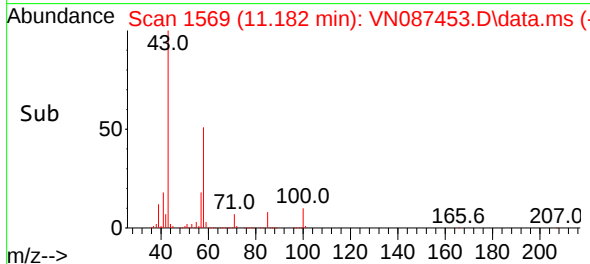
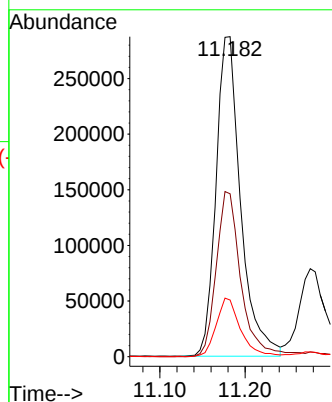
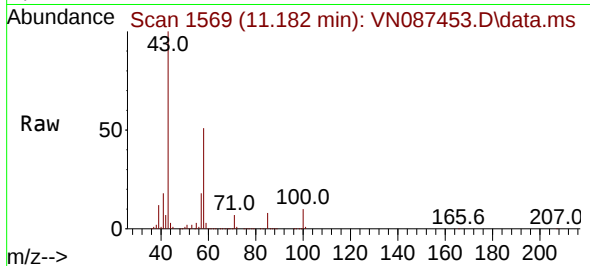
#59
2-Hexanone
Concen: 100.543 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 576264
Ion Ratio Lower Upper
43 100
58 51.3 41.0 61.6
57 18.2 14.6 21.8

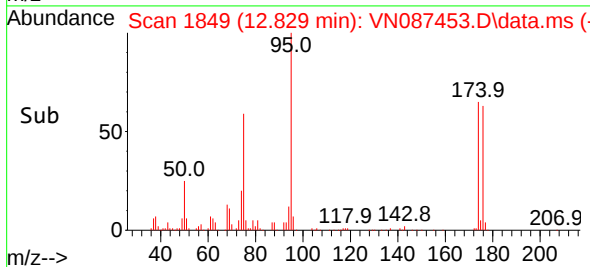
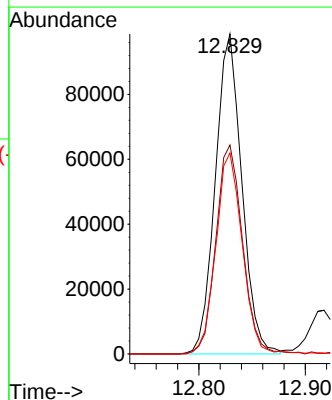
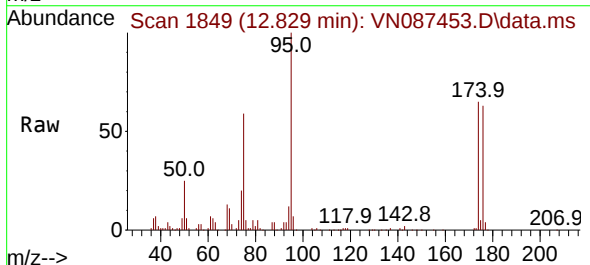
Manual Integrations
APPROVED

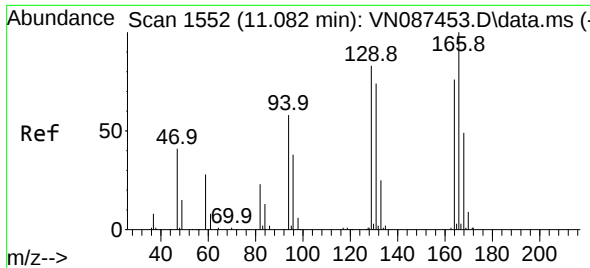
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#60
4-Bromofluorobenzene
Concen: 30.201 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Tgt Ion: 95 Resp: 170429
Ion Ratio Lower Upper
95 100
174 65.4 52.3 78.5
176 62.3 49.8 74.8





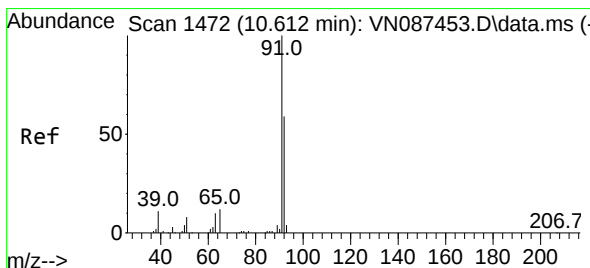
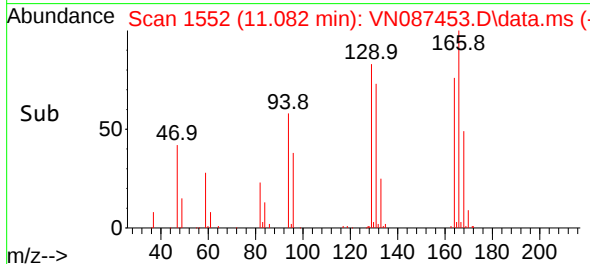
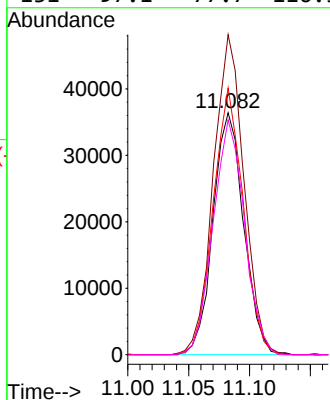
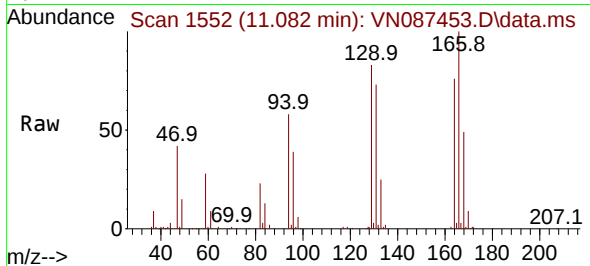
#61
Tetrachloroethene
Concen: 19.992 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:164 Resp: 6386
Ion Ratio Lower Upper
164 100
166 131.7 105.4 158.0
129 109.6 87.7 131.5
131 97.1 77.7 116.5

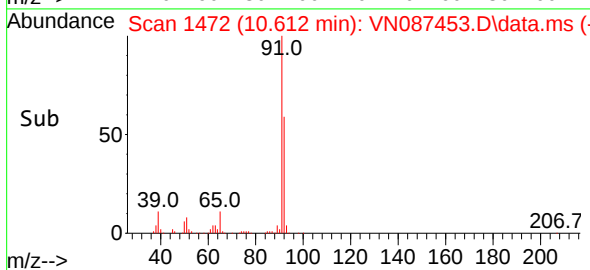
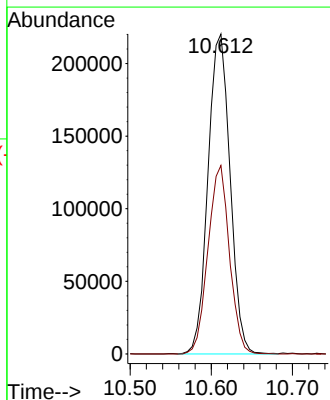
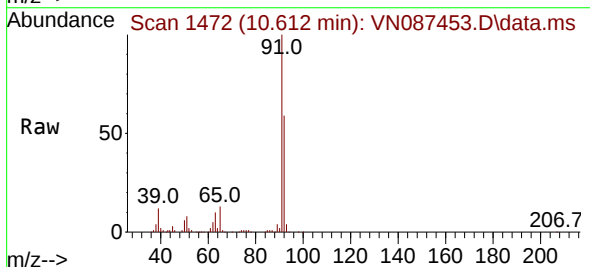
Manual Integrations
APPROVED

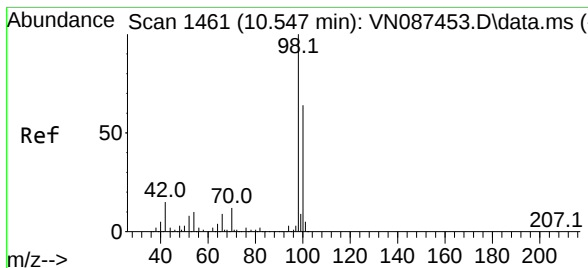
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#62
Toluene
Concen: 20.573 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

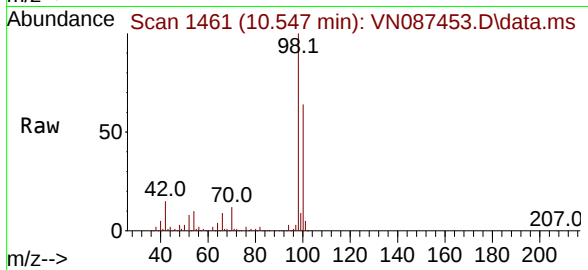
Tgt Ion: 91 Resp: 416382
Ion Ratio Lower Upper
91 100
92 57.2 45.8 68.6





#63
Toluene-d8
Concen: 30.032 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

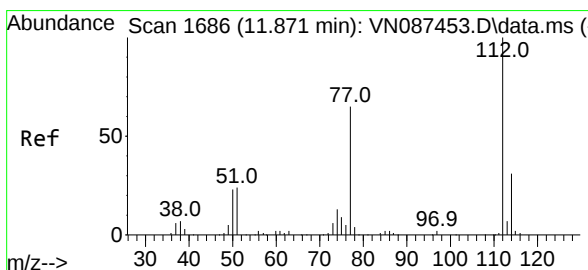
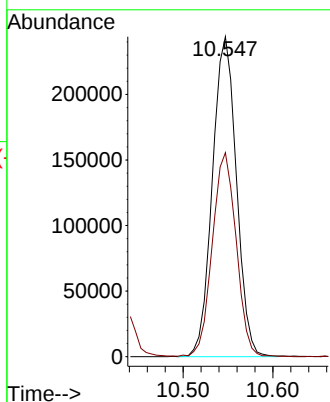
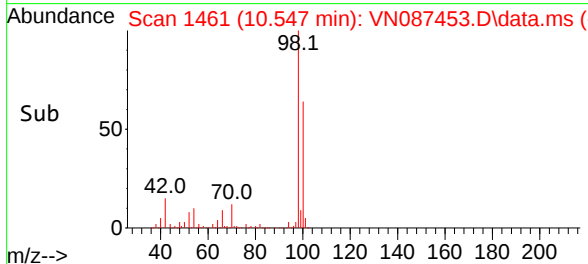
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



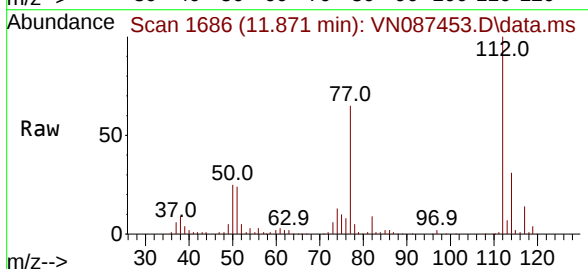
Tgt Ion: 98 Resp: 45312
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7

Manual Integrations
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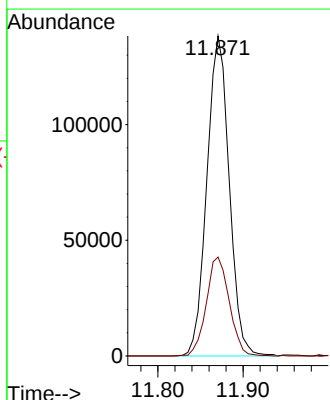
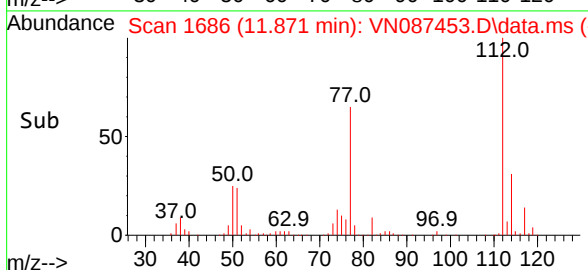
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

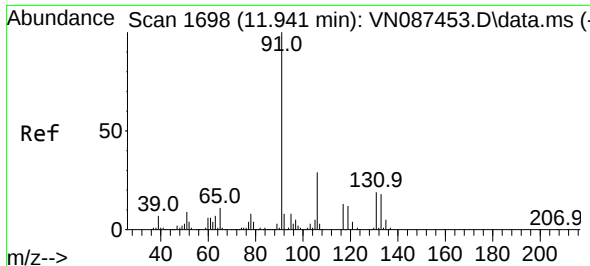


#64
Chlorobenzene
Concen: 20.321 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



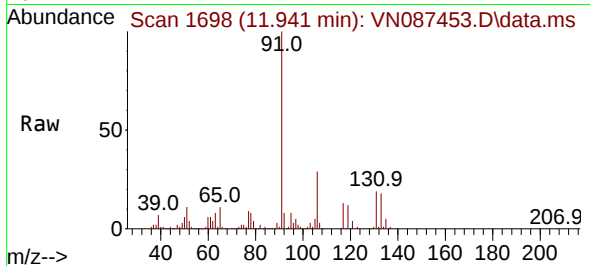
Tgt Ion:112 Resp: 252716
Ion Ratio Lower Upper
112 100
114 30.9 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 20.216 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

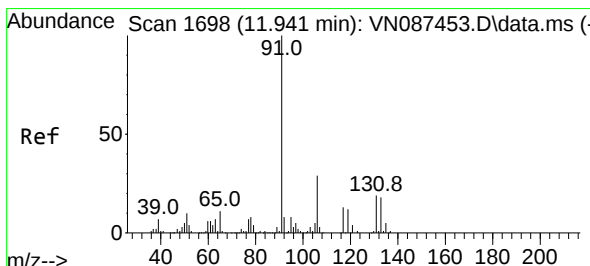
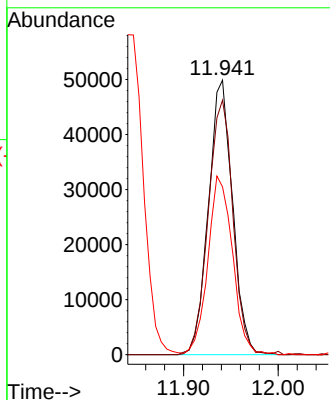
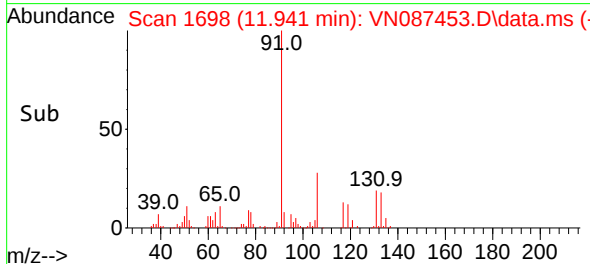
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:131 Resp: 88390
Ion Ratio Lower Upper
131 100
133 94.9 0.0 189.8
119 66.6 0.0 133.2

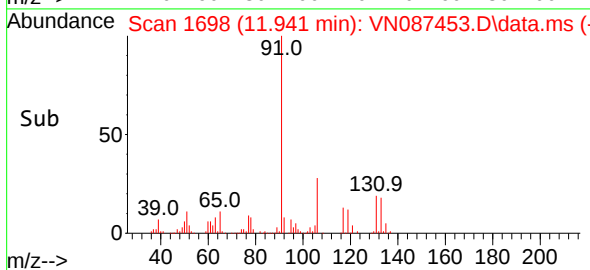
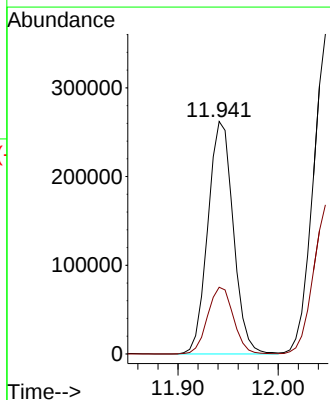
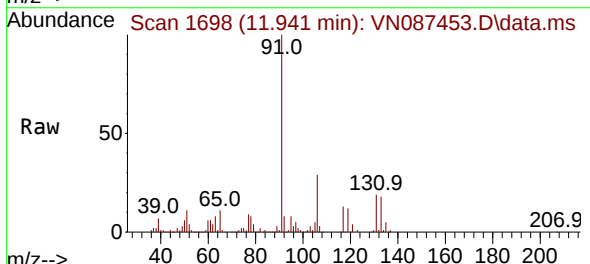
Manual Integrations
APPROVED

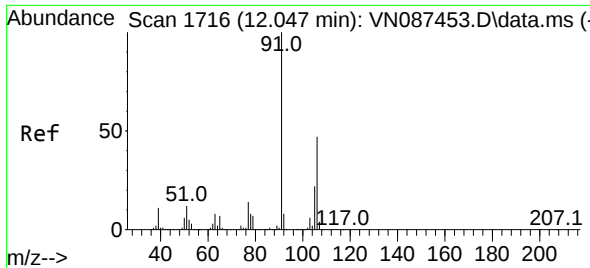
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#66
Ethyl Benzene
Concen: 20.497 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Tgt Ion: 91 Resp: 462372
Ion Ratio Lower Upper
91 100
106 28.6 22.9 34.3





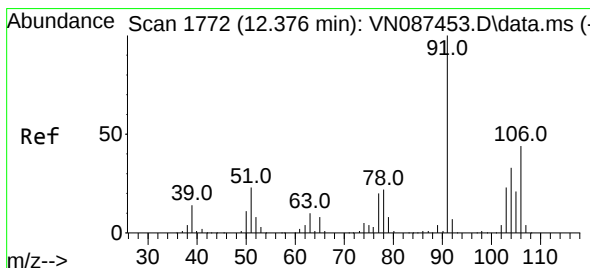
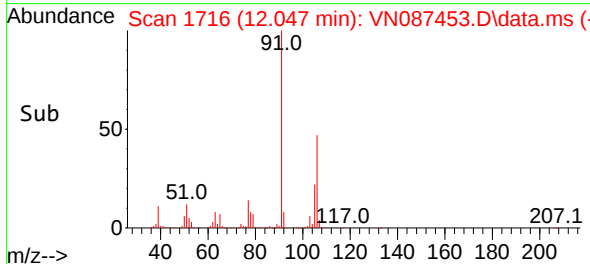
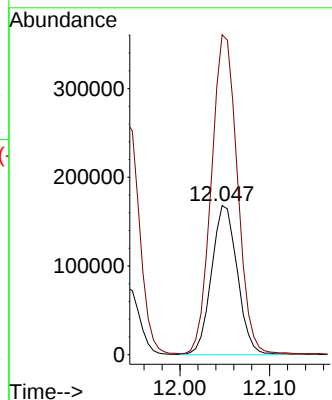
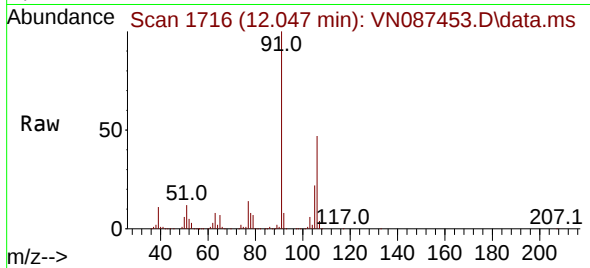
#67
m/p-Xylenes
Concen: 40.573 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 335952
Ion Ratio Lower Upper
106 100
91 217.7 174.2 261.2

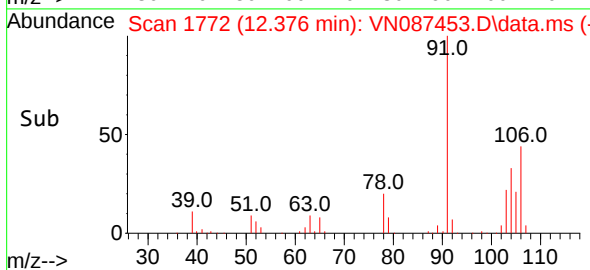
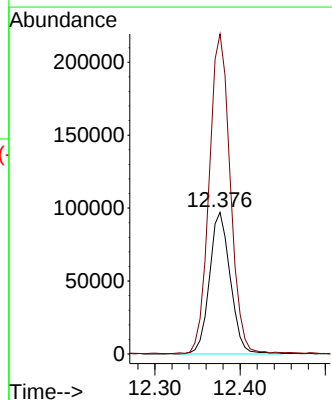
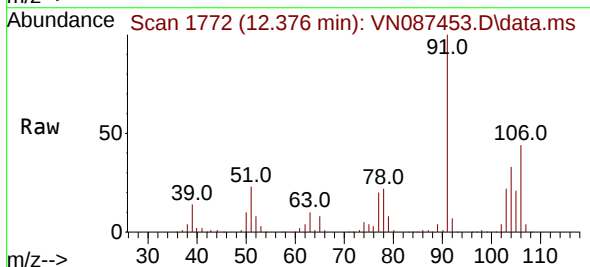
Manual Integrations
APPROVED

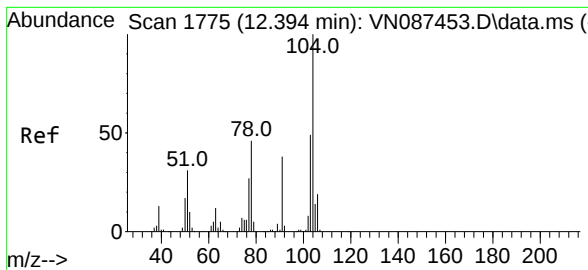
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#68
o-Xylene
Concen: 20.228 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

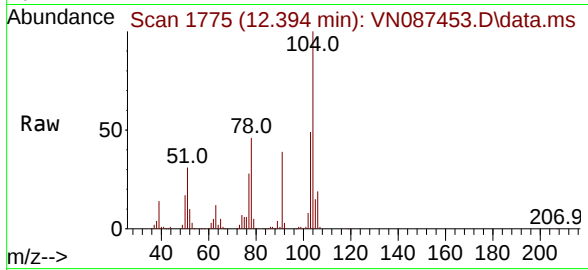
Tgt Ion:106 Resp: 164778
Ion Ratio Lower Upper
106 100
91 229.0 114.5 343.5





#69
Styrene
Concen: 20.353 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

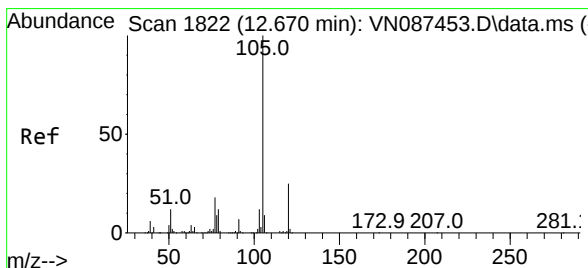
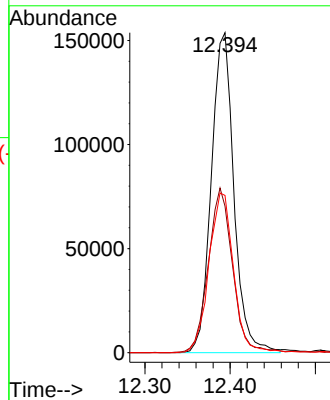
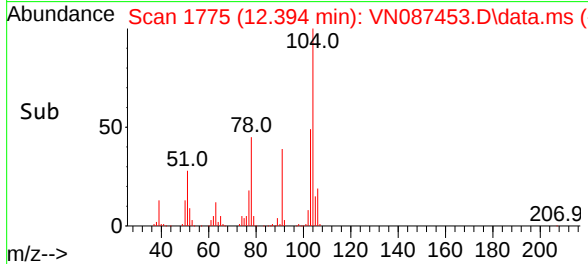
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



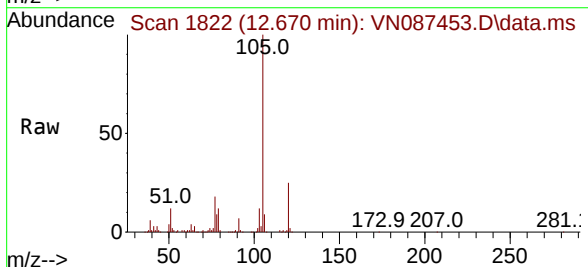
Tgt Ion:104 Resp: 28310
Ion Ratio Lower Upper
104 100
78 54.8 43.8 65.8
103 53.9 43.1 64.7

Manual Integrations
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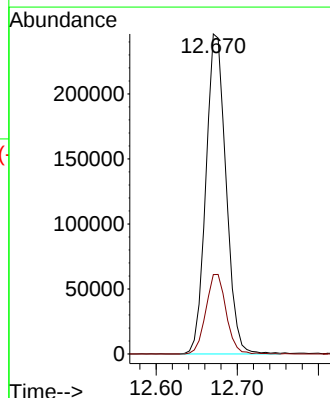
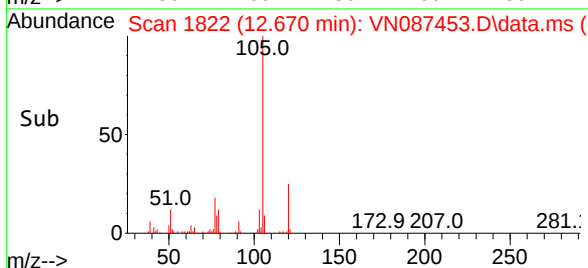
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

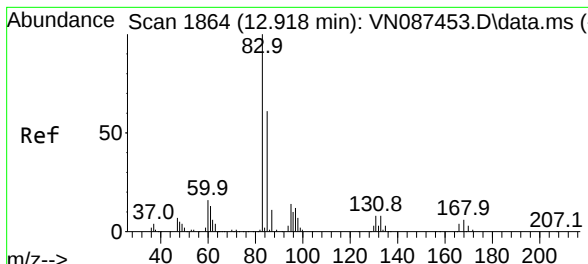


#70
Isopropylbenzene
Concen: 20.453 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



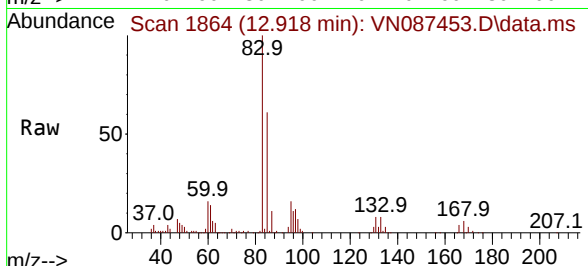
Tgt Ion:105 Resp: 423292
Ion Ratio Lower Upper
105 100
120 25.0 17.5 32.5





#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.920 ug/l
 RT: 12.918 min Scan# 1864
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58

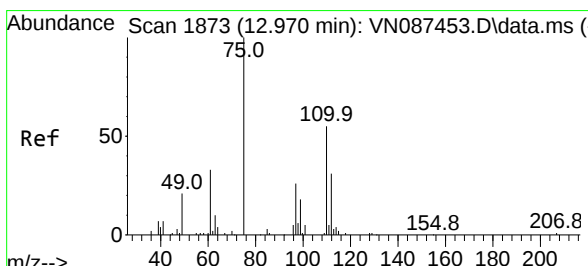
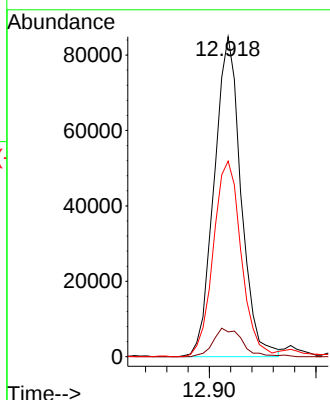
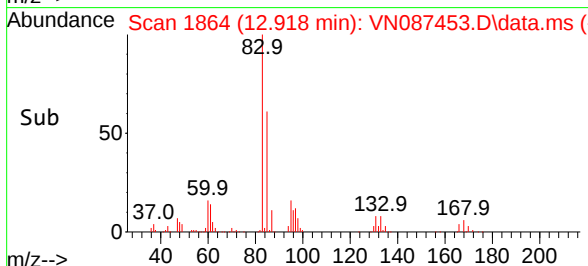
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 83 Resp: 14834
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 63.4 31.7 95.1

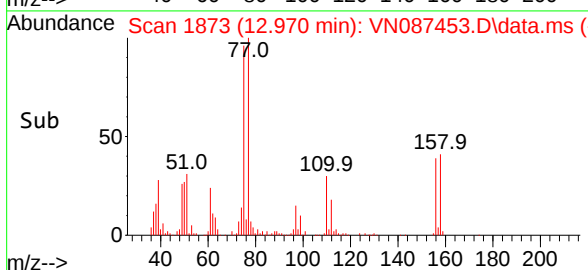
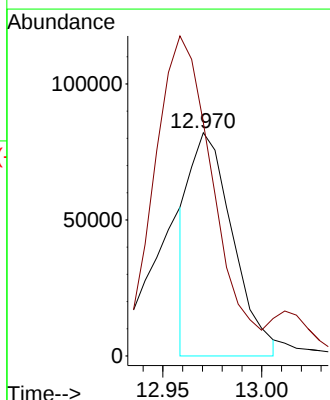
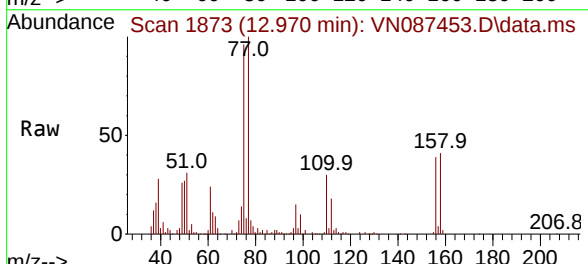
Manual Integrations
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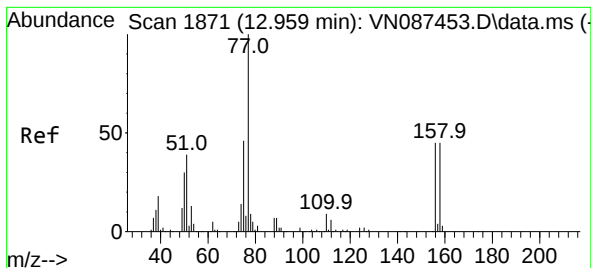
Reviewed By :John Carlone 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025



#72
 1,2,3-Trichloropropane
 Concen: 16.992 ug/l m
 RT: 12.970 min Scan# 1873
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58

Tgt Ion: 75 Resp: 123856
 Ion Ratio Lower Upper
 75 100
 77 196.6 0.0 385.0





#73

Bromobenzene

Concen: 20.043 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN087453.D

Acq: 05 Aug 2025 13:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

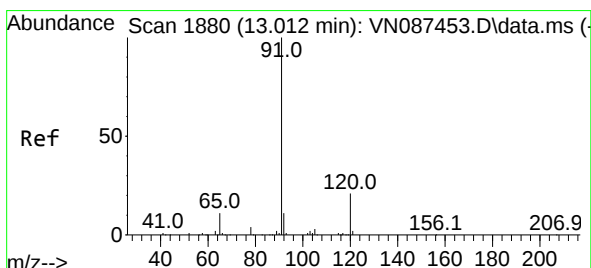
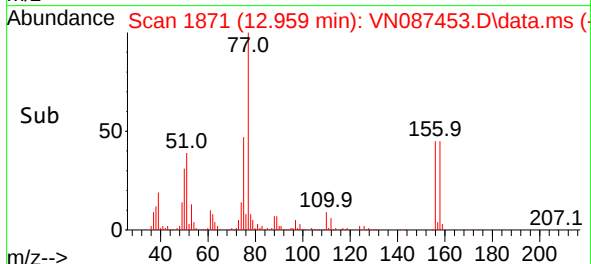
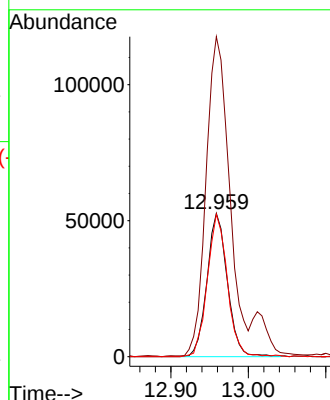
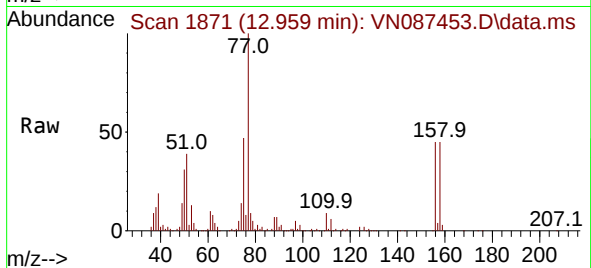
Tgt Ion:	156	Resp:	9616
Ion Ratio	Lower	Upper	
156	100		
77	253.3	0.0	506.6
158	96.8	0.0	193.6

Manual Integrations

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Reviewed By :John Carlone 08/06/2025

Supervised By :Mahesh Dadoda 08/06/2025



#74

n-propylbenzene

Concen: 20.382 ug/l

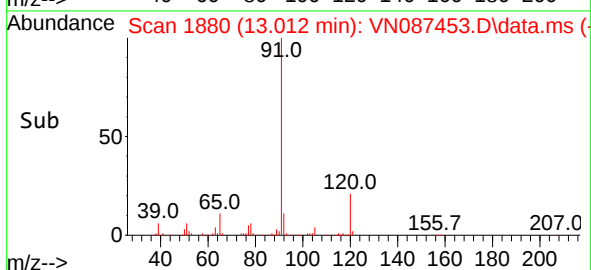
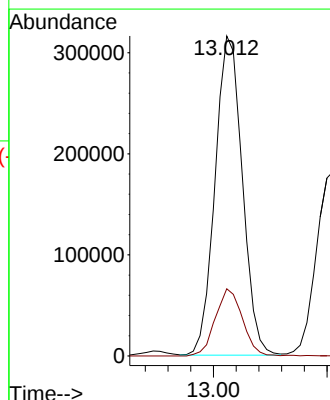
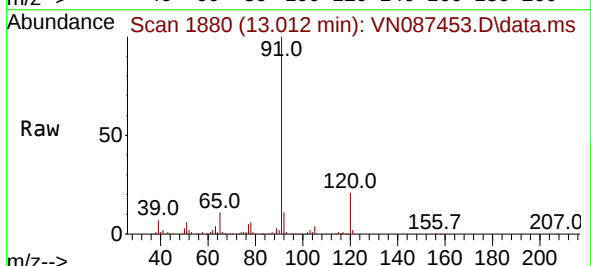
RT: 13.012 min Scan# 1880

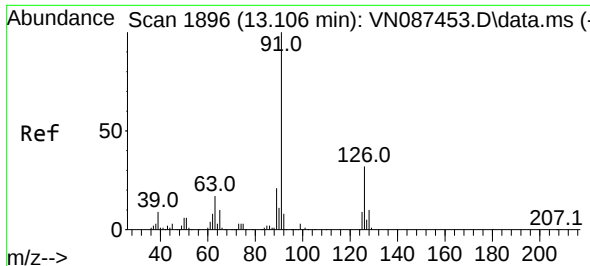
Delta R.T. 0.000 min

Lab File: VN087453.D

Acq: 05 Aug 2025 13:58

Tgt Ion:	91	Resp:	526811
Ion Ratio	Lower	Upper	
91	100		
120	20.9	0.0	41.8





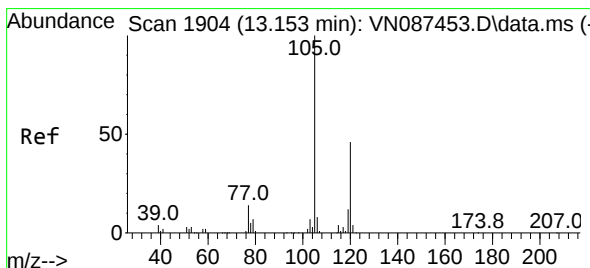
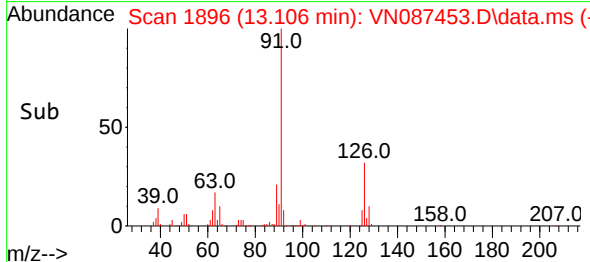
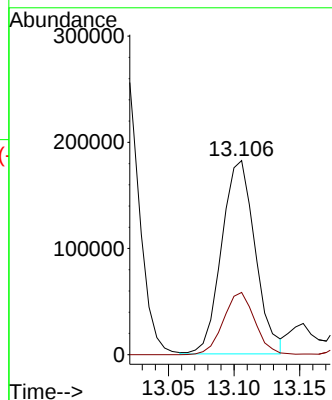
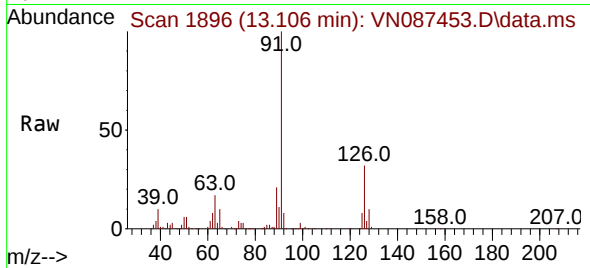
#75
2-Chlorotoluene
Concen: 20.409 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 324478
Ion Ratio Lower Upper
91 100
126 30.2 0.0 60.4

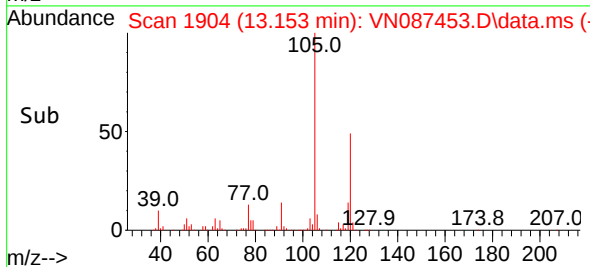
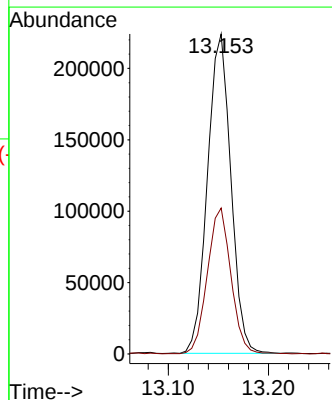
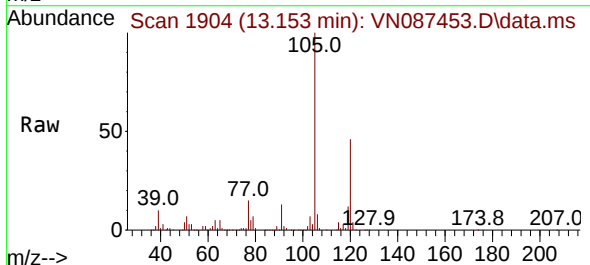
Manual Integrations
APPROVED

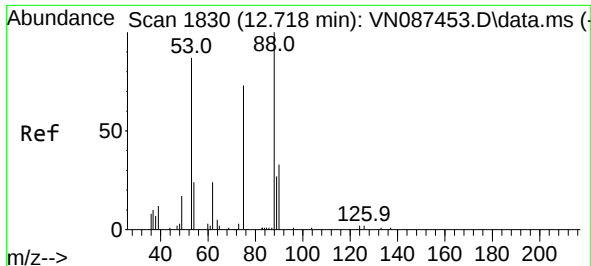
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#76
1,3,5-Trimethylbenzene
Concen: 20.488 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

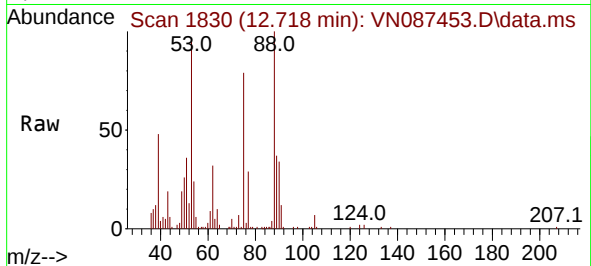
Tgt Ion:105 Resp: 363042
Ion Ratio Lower Upper
105 100
120 45.6 0.0 91.2





#77
t-1,4-Dichloro-2-butene
Concen: 18.843 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

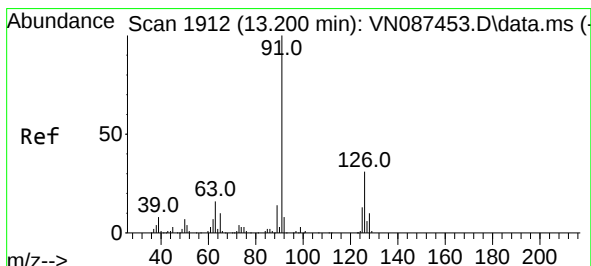
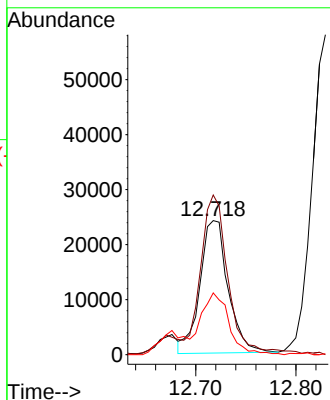
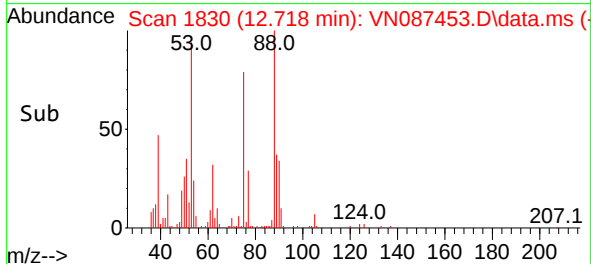
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 75 Resp: 47119
Ion Ratio Lower Upper
75 100
53 117.9 59.0 176.8
89 44.3 22.1 66.5

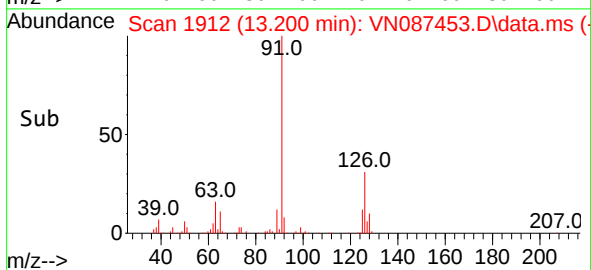
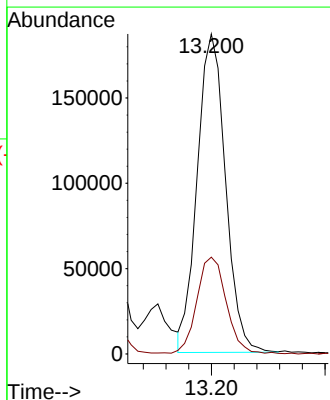
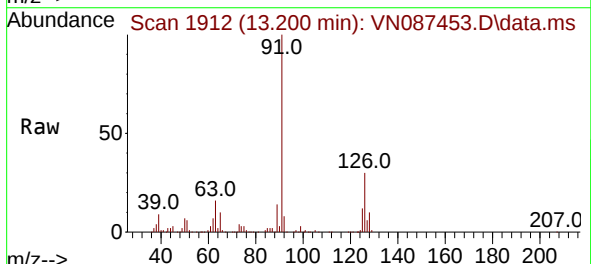
Manual Integrations
APPROVED

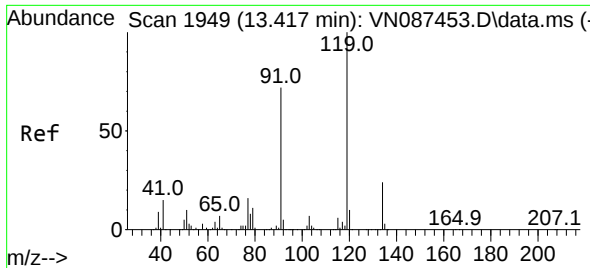
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#78
4-Chlorotoluene
Concen: 20.005 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Tgt Ion: 91 Resp: 322316
Ion Ratio Lower Upper
91 100
126 31.6 0.0 63.2





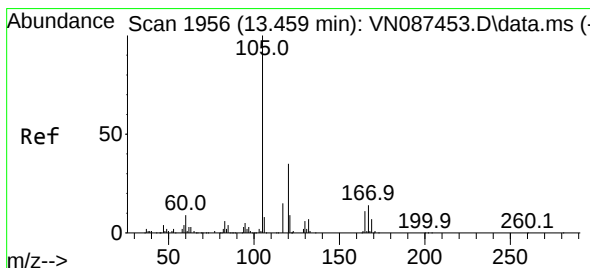
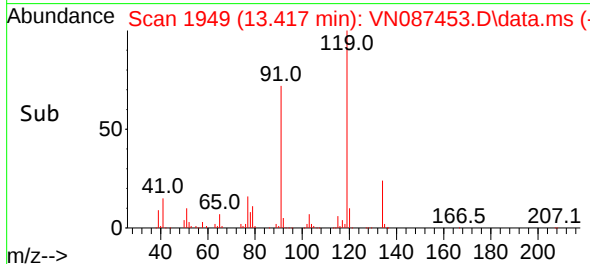
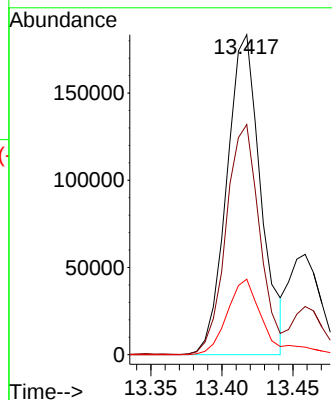
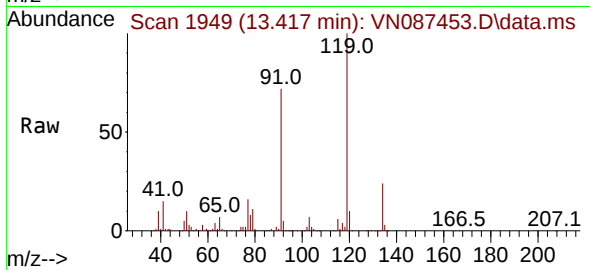
#79
tert-butylbenzene
Concen: 20.462 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 305702
Ion Ratio Lower Upper
119 100
91 70.8 0.0 141.6
134 22.8 0.0 45.6

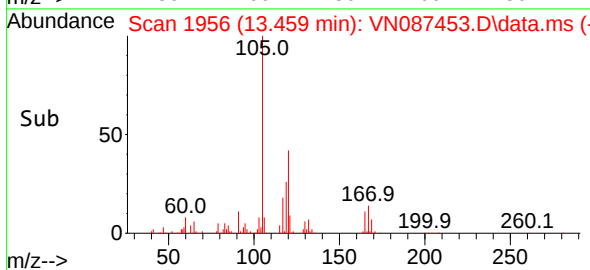
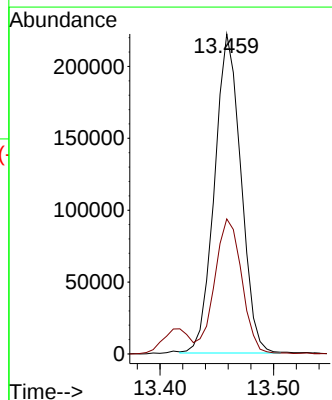
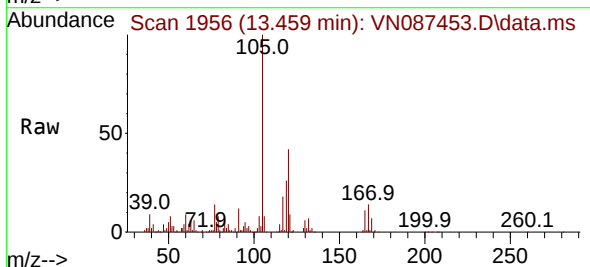
Manual Integrations
APPROVED

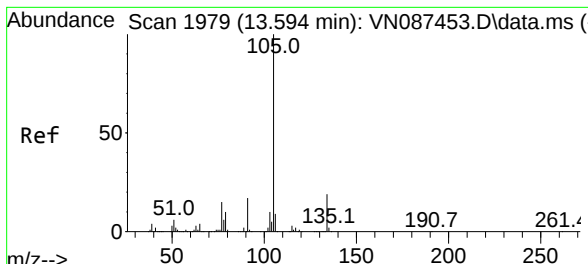
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#80
1,2,4-Trimethylbenzene
Concen: 20.238 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

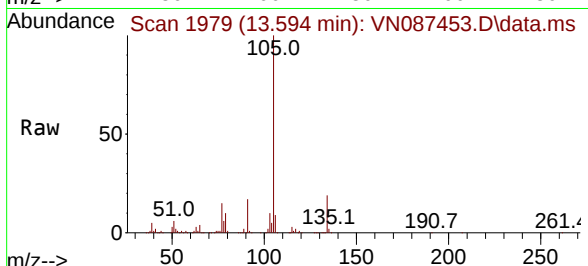
Tgt Ion:105 Resp: 358349
Ion Ratio Lower Upper
105 100
120 43.6 0.0 87.2





#81
 sec-Butylbenzene
 Concen: 20.577 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58

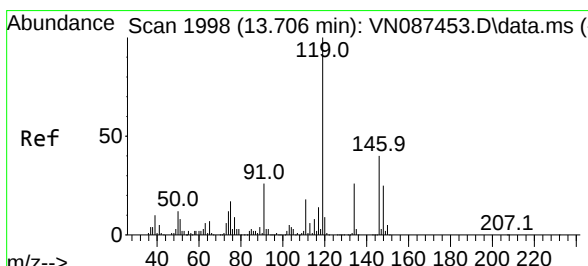
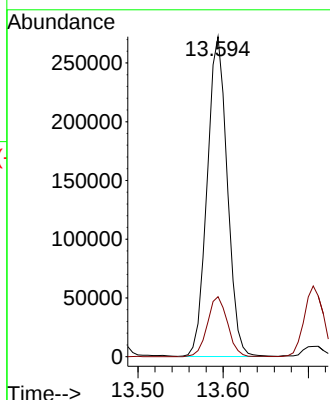
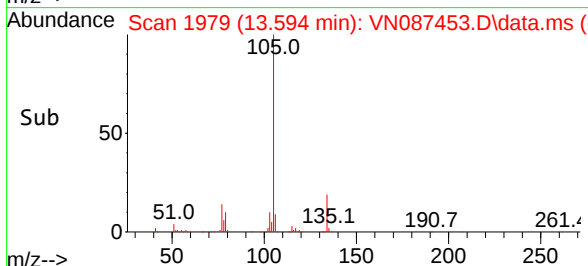
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



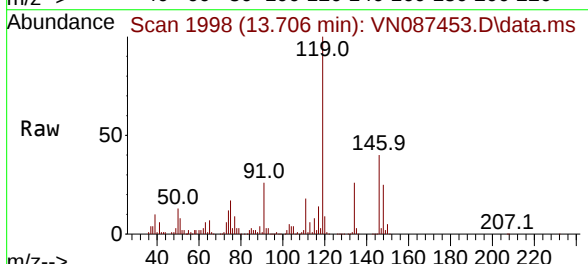
Tgt Ion:105 Resp: 44754
 Ion Ratio Lower Upper
 105 100
 134 18.8 0.0 37.6

Manual Integrations
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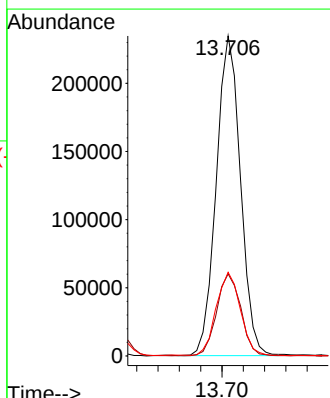
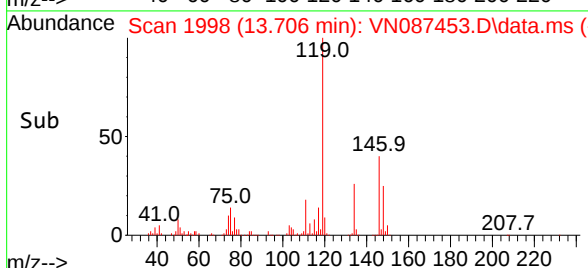
Reviewed By :John Carlone 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025

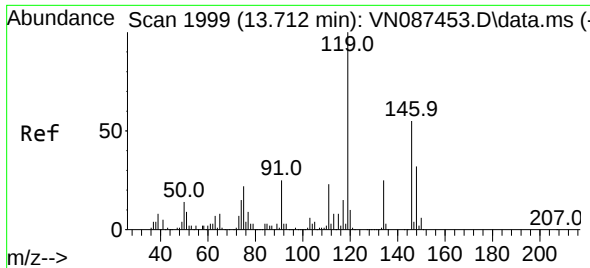


#82
 p-Isopropyltoluene
 Concen: 20.486 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58



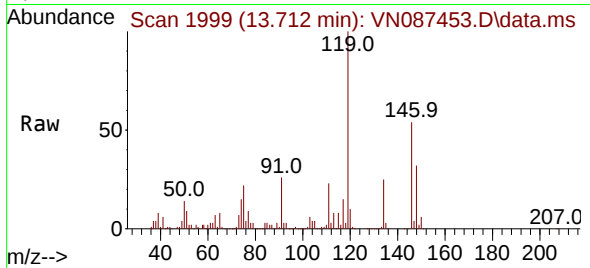
Tgt Ion:119 Resp: 369955
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 51.4
 91 26.0 0.0 52.0





#83
1,3-Dichlorobenzene
Concen: 20.412 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

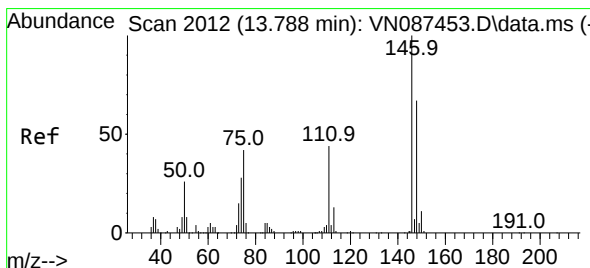
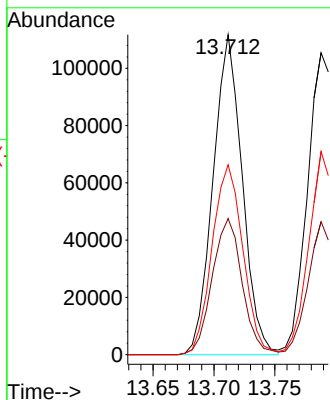
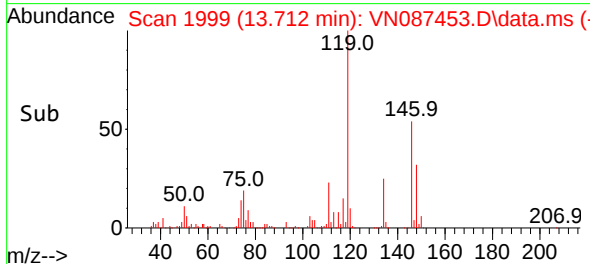
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



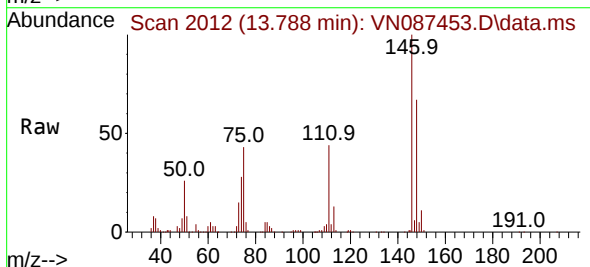
Tgt Ion:146 Resp: 18648
Ion Ratio Lower Upper
146 100
111 43.7 21.9 65.5
148 62.6 31.3 93.9

Manual Integrations
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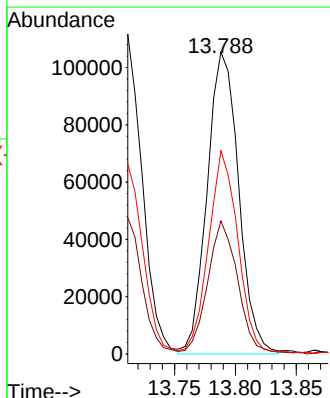
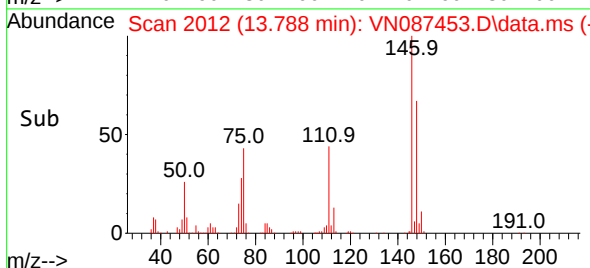
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

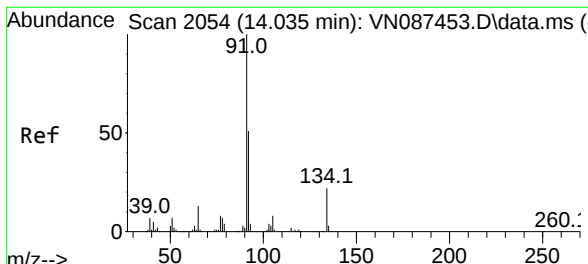


#84
1,4-Dichlorobenzene
Concen: 20.538 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



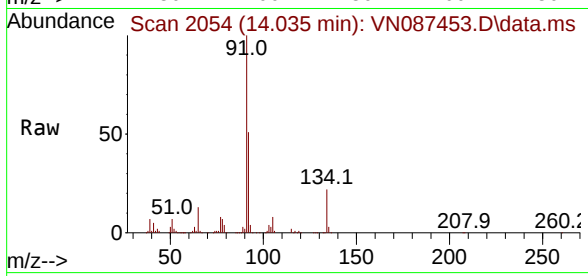
Tgt Ion:146 Resp: 190232
Ion Ratio Lower Upper
146 100
111 42.1 21.1 63.1
148 62.9 31.4 94.3





#85
 n-Butylbenzene
 Concen: 20.569 ug/l
 RT: 14.035 min Scan# 2054
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58

Instrument : MSVOA_N
 ClientSampleId : VSTDICCC020

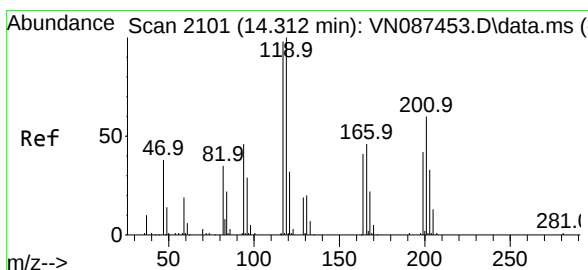
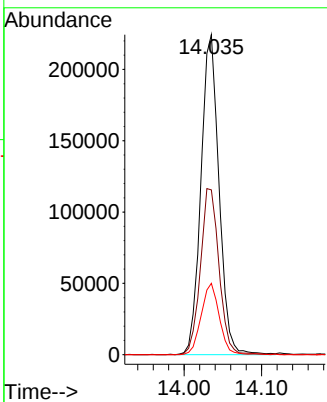
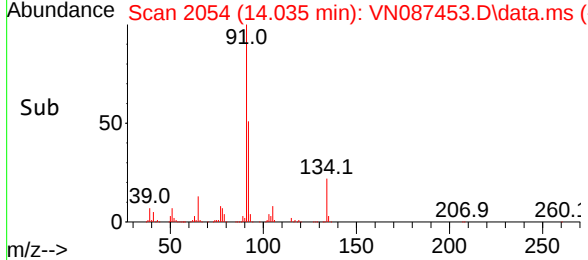


Tgt Ion: 91 Resp: 363428

Ion	Ratio	Lower	Upper
91	100		
92	53.3	0.0	106.6
134	22.2	0.0	44.4

Manual Integrations
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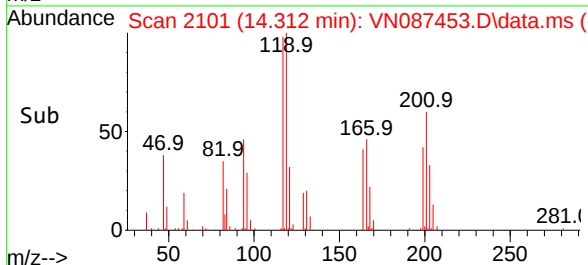
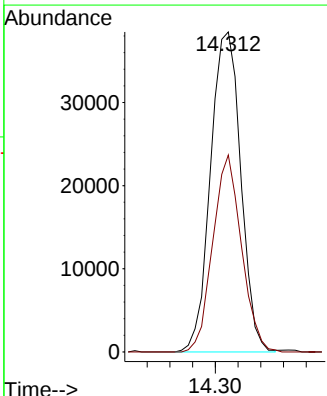
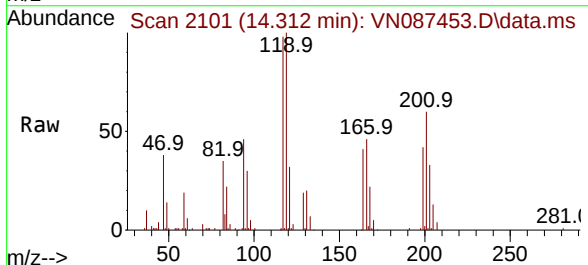
Reviewed By :John Carlone 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025

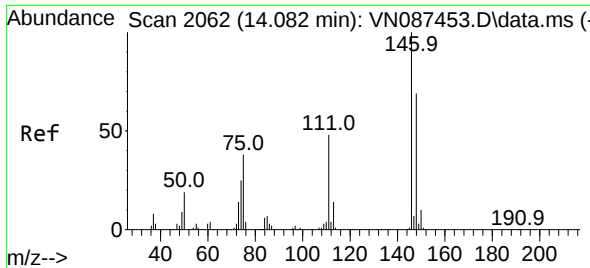


#86
 Hexachloroethane
 Concen: 20.189 ug/l
 RT: 14.312 min Scan# 2101
 Delta R.T. 0.000 min
 Lab File: VN087453.D
 Acq: 05 Aug 2025 13:58

Tgt Ion:117 Resp: 71198

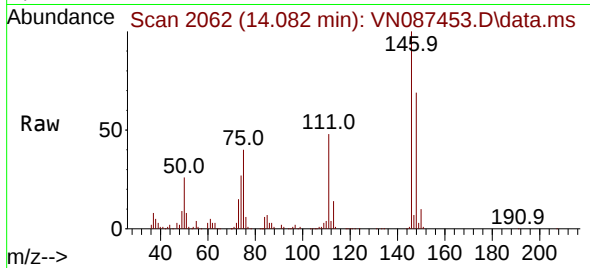
Ion	Ratio	Lower	Upper
117	100		
201	58.3	29.1	87.4





#87
1,2-Dichlorobenzene
Concen: 20.539 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

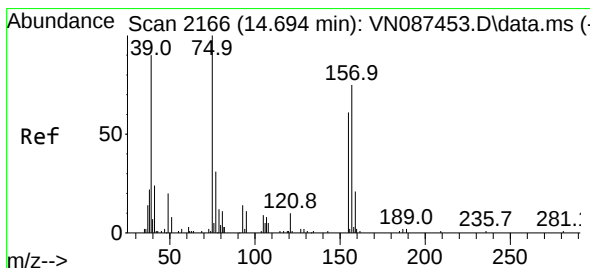
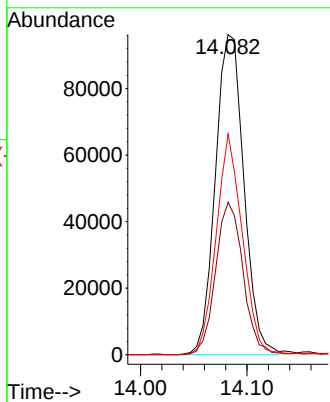
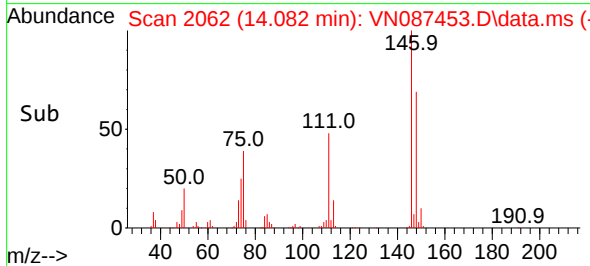
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:146 Resp: 17911
Ion Ratio Lower Upper
146 100
111 45.8 22.9 68.7
148 63.1 31.6 94.7

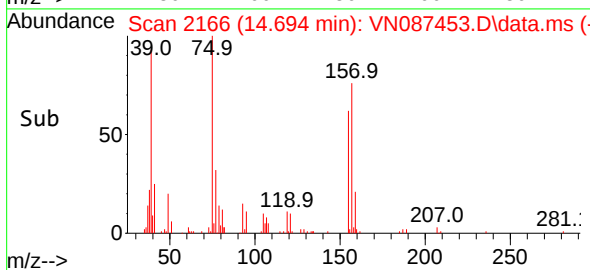
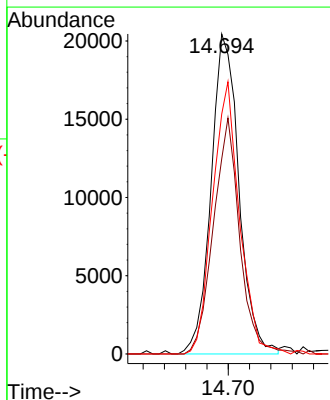
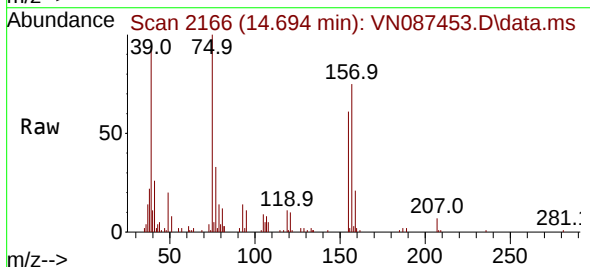
Manual Integrations
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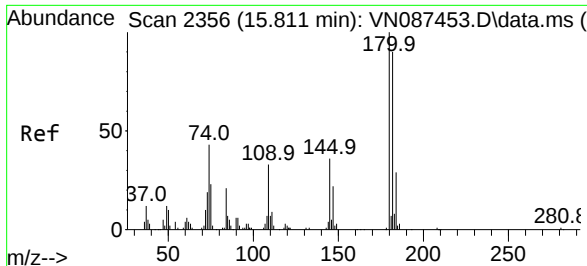
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 20.672 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

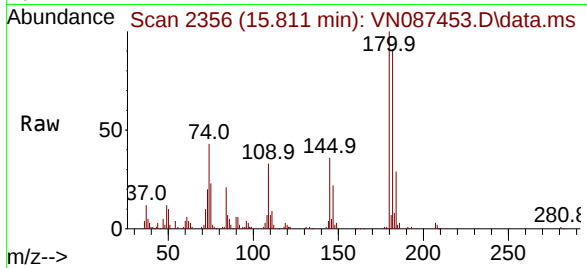
Tgt Ion: 75 Resp: 37135
Ion Ratio Lower Upper
75 100
155 69.6 55.7 83.5
157 82.2 65.8 98.6





#89
1,2,4-Trichlorobenzene
Concen: 20.037 ug/l
RT: 15.811 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

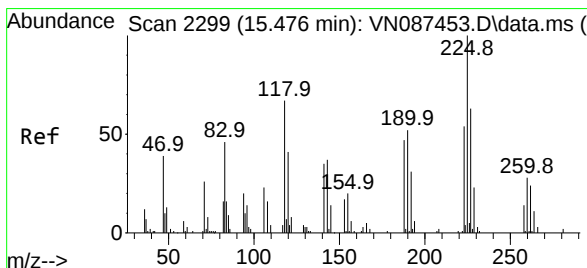
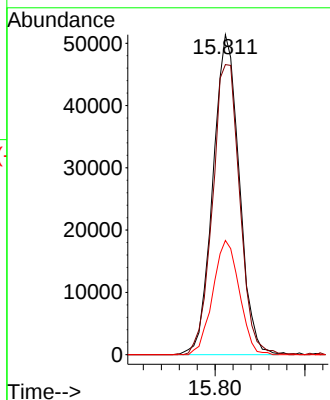
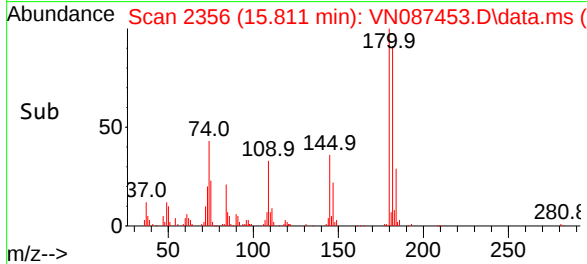
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



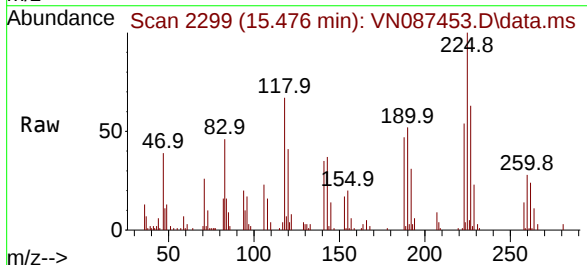
Tgt Ion:180 Resp: 104420
Ion Ratio Lower Upper
180 100
182 93.7 75.0 112.4
145 35.8 28.6 43.0

Manual Integrations
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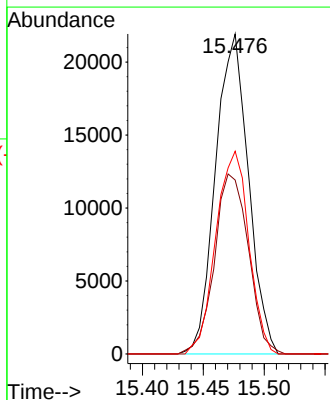
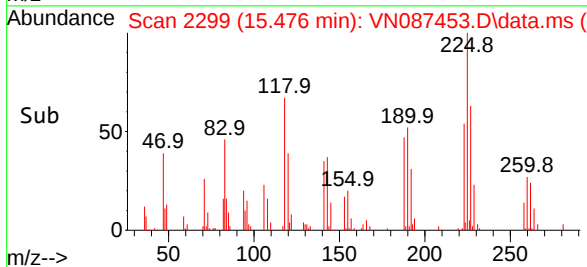
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

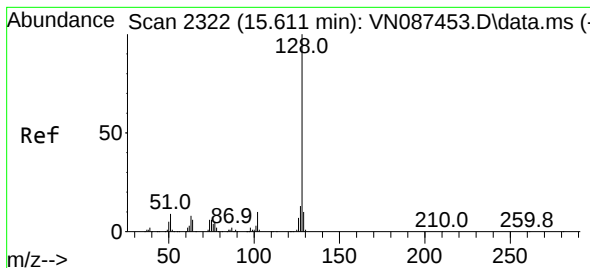


#90
Hexachlorobutadiene
Concen: 20.349 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58



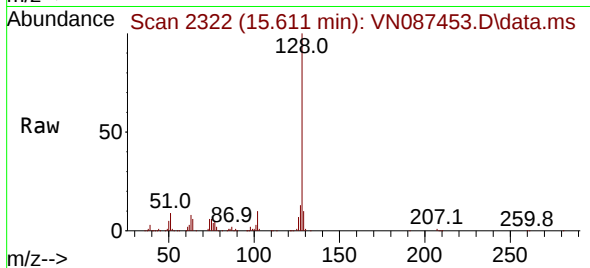
Tgt Ion:225 Resp: 41238
Ion Ratio Lower Upper
225 100
223 58.0 0.0 116.0
227 63.5 0.0 127.0





#91
Naphthalene
Concen: 20.241 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

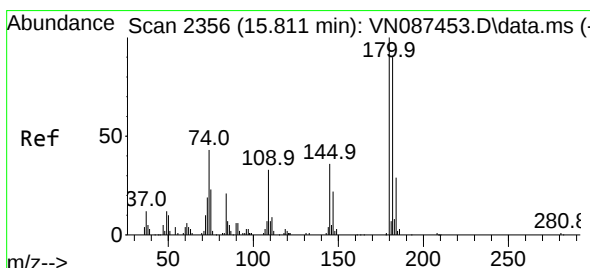
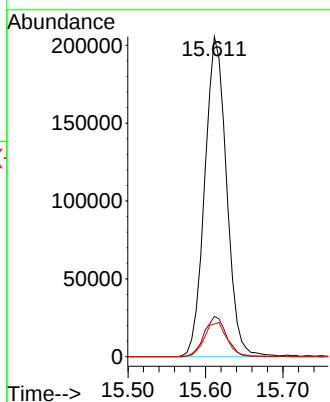
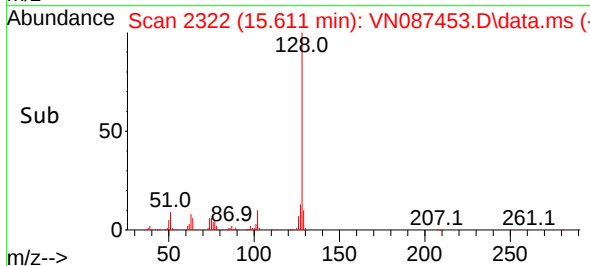
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:128 Resp: 402240
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.1 8.9 13.3

Manual Integrations
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Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#92
1,2,3-Trichlorobenzene
Concen: 20.037 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087453.D
Acq: 05 Aug 2025 13:58

Tgt Ion:180 Resp: 104426
Ion Ratio Lower Upper
180 100
182 93.7 0.0 187.4
145 35.8 0.0 71.6

