

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
 Data File : VN088038.D
 Acq On : 08 Oct 2025 13:59
 Operator : JC\MD
 Sample : VN1008WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/09/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:54:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	67745	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	378996	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	337371	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	157639	29.883	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.600%		
60) 4-Bromofluorobenzene	12.829	95	168600	30.314	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.033%		
63) Toluene-d8	10.547	98	458624	30.511	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	86964	22.412	ug/l	96
3) Chloromethane	2.383	50	90661	20.609	ug/l	99
4) Vinyl Chloride	2.536	62	95902	20.907	ug/l	98
5) Bromomethane	2.983	94	56155	22.766	ug/l	89
6) Chloroethane	3.136	64	58383	19.295	ug/l	99
7) Trichlorofluoromethane	3.512	101	135513	21.725	ug/l	100
8) Diethyl Ether	3.959	74	56541	20.061	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	73847	22.116	ug/l	97
10) 1,1-Dichloroethene	4.330	96	71183	19.984	ug/l	88
11) Methyl Iodide	4.583	142	64948	19.784	ug/l	96
12) Methyl Acetate	5.018	43	113753	19.644	ug/l	89
13) Acrolein	4.177	56	92850	103.616	ug/l #	4
14) Acrylonitrile	5.706	53	282814	101.205	ug/l	98
15) Acetone	4.424	58	76348	93.292	ug/l	86
16) Carbon Disulfide	4.700	76	232887	20.857	ug/l	98
17) Allyl chloride	5.006	41	136133	20.254	ug/l	98
18) Methylene Chloride	5.259	84	91774	20.272	ug/l	98
19) trans-1,2-Dichloroethene	5.777	96	82339	19.994	ug/l	90
20) Diisopropyl ether	6.659	45	308424	20.156	ug/l	99
21) 1,1-Dichloroethane	6.553	63	158582	19.908	ug/l	94
22) cis-1,2-Dichloroethene	7.471	96	101151	19.621	ug/l	99
23) tert-Butyl Alcohol	5.530	59	114651	102.298	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	307170	19.979	ug/l	99
25) Chloroform	7.947	83	163380	19.875	ug/l	96
26) Cyclohexane	8.241	56	141081	21.376	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	112694	20.744	ug/l	99
30) 2-Butanone	7.471	43	388424	96.945	ug/l	99
31) 2,2-Dichloropropane	7.471	77	140307	20.045	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	141075	20.782	ug/l	100
33) Carbon Tetrachloride	8.341	117	120667	21.222	ug/l	96
34) Benzene	8.588	78	358011	19.868	ug/l	100
35) Methacrylonitrile	7.765	41	87495	20.766	ug/l	96
36) 1,2-Dichloroethane	8.647	62	123448	19.734	ug/l	100
37) Trichloroethene	9.335	130	85726	20.080	ug/l	93
38) Methylcyclohexane	9.582	83	147949	22.053	ug/l	99
39) 1,2-Dichloropropane	9.600	63	87721	19.415	ug/l	96
40) Dibromomethane	9.694	93	65500	19.916	ug/l	98
41) Bromodichloromethane	9.871	83	134103	19.965	ug/l #	97
42) Vinyl Acetate	6.589	43	1336189	97.893	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	153397	19.917	ug/l #	85
44) Isopropyl Acetate	8.677	43	253840	20.179	ug/l	98
45) 1,4-Dioxane	9.682	88	34358	410.661	ug/l #	97
46) Methyl methacrylate	9.665	41	114629	20.692	ug/l	98
47) n-amyl Acetate	12.606	43	130480m	21.884	ug/l	
48) t-1,3-Dichloropropene	10.818	75	146947	19.674	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	151858	19.491	ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	84761	19.461	ug/l	95
51) Ethyl methacrylate	10.853	69	144004	19.537	ug/l	99
52) 1,3-Dichloropropane	11.141	76	150076	19.750	ug/l	100
53) Dibromochloromethane	11.341	129	101830	19.557	ug/l	98
54) 1,2-Dibromoethane	11.447	107	91973	19.752	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	356645	89.640	ug/l	100
56) Bromoform	12.559	173	67273	19.110	ug/l	96
58) 4-Methyl-2-Pentanone	10.424	43	754327	99.961	ug/l	99
59) 2-Hexanone	11.176	43	488700	98.088	ug/l	100
61) Tetrachloroethene	11.088	164	72713	21.283	ug/l	98
62) Toluene	10.612	91	377038	19.702	ug/l	96
64) Chlorobenzene	11.871	112	244660	20.016	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	84006	19.943	ug/l	97
66) Ethyl Benzene	11.941	91	422156	20.287	ug/l	98
67) m/p-Xylenes	12.053	106	317926	39.632	ug/l	96
68) o-Xylene	12.376	106	159310	19.949	ug/l	98
69) Styrene	12.394	104	263761	19.967	ug/l	99
70) Isopropylbenzene	12.676	105	403558	20.619	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	132867	20.023	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	130784m	21.222	ug/l	
73) Bromobenzene	12.959	156	94319	19.717	ug/l	98
74) n-propylbenzene	13.012	91	487994	20.654	ug/l	100
75) 2-Chlorotoluene	13.106	91	291086	20.149	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	340570	20.485	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	46060	18.755	ug/l	92
78) 4-Chlorotoluene	13.200	91	300719	20.488	ug/l	97
79) tert-butylbenzene	13.412	119	305555	21.201	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	335940	20.184	ug/l	99
81) sec-Butylbenzene	13.594	105	433069	21.371	ug/l	100
82) p-Isopropyltoluene	13.706	119	373742	21.603	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	181749	20.193	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	192001	20.684	ug/l	99
85) n-Butylbenzene	14.035	91	340776	21.172	ug/l	99
86) Hexachloroethane	14.306	117	68466	19.755	ug/l	98
87) 1,2-Dichlorobenzene	14.088	146	178923	20.210	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	30078	19.736	ug/l	95
89) 1,2,4-Trichlorobenzene	15.817	180	104869	19.887	ug/l	98
90) Hexachlorobutadiene	15.476	225	40385	22.004	ug/l	97
91) Naphthalene	15.617	128	386783	20.034	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	104869	19.887	ug/l	98

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

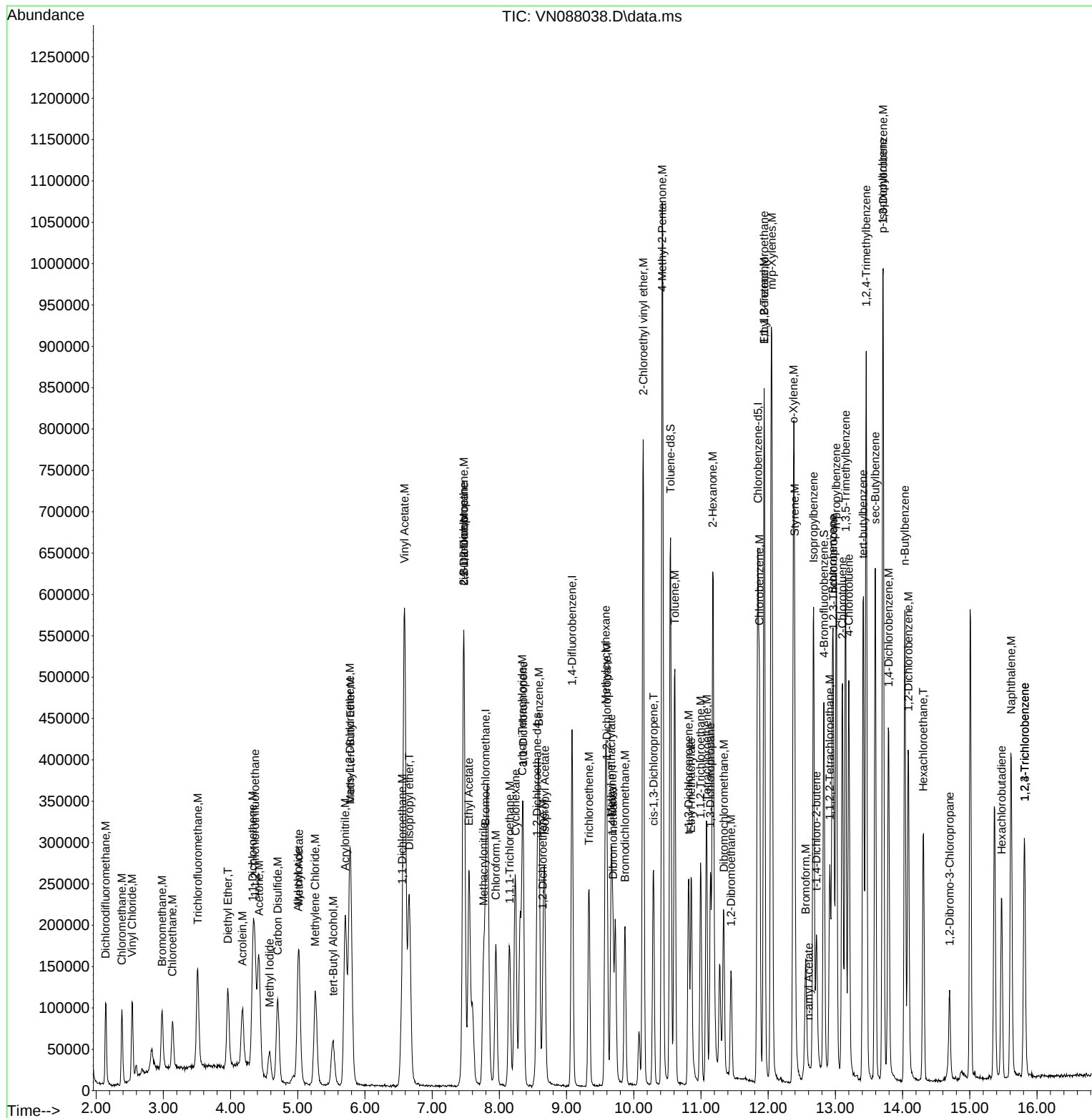
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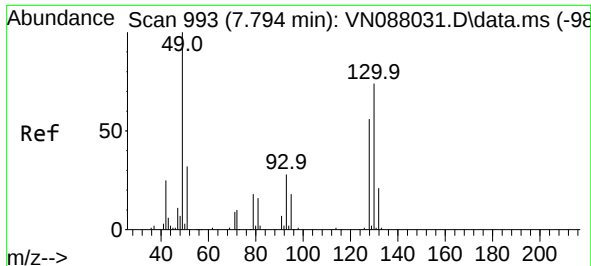
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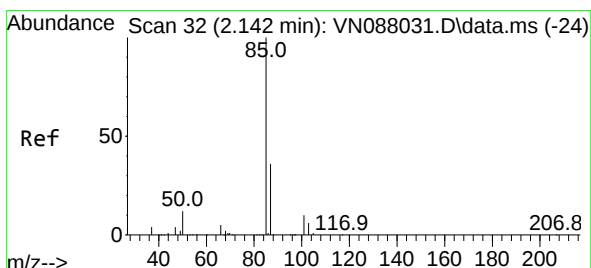
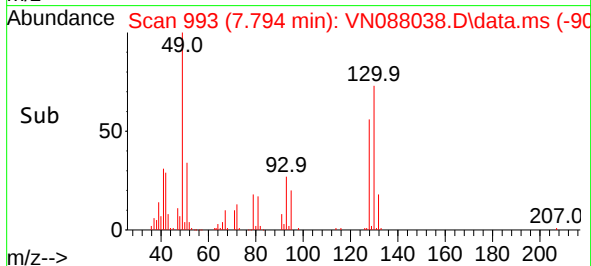
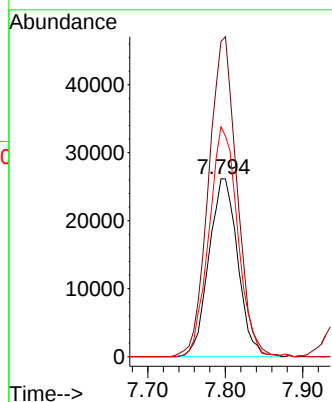
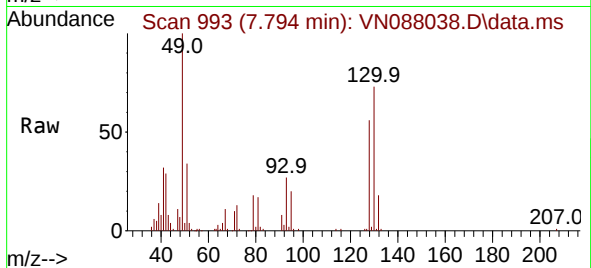
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tgt Ion:128 Resp: 6774
Ion Ratio Lower Upper
128 100
49 176.6 0.0 439.8
130 129.1 0.0 325.8

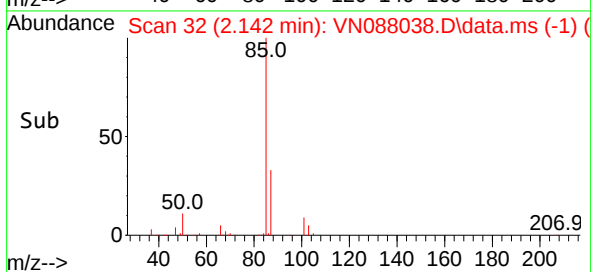
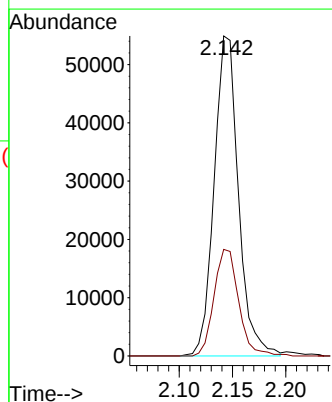
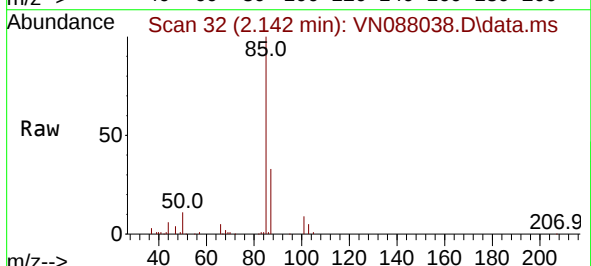
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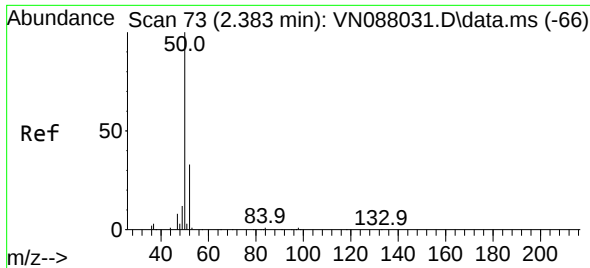
Reviewed By :John Carlone 10/09/2025
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#2
Dichlorodifluoromethane
Concen: 22.412 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion: 85 Resp: 86964
Ion Ratio Lower Upper
85 100
87 33.3 17.9 53.8





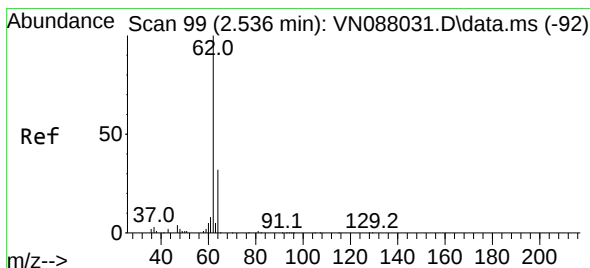
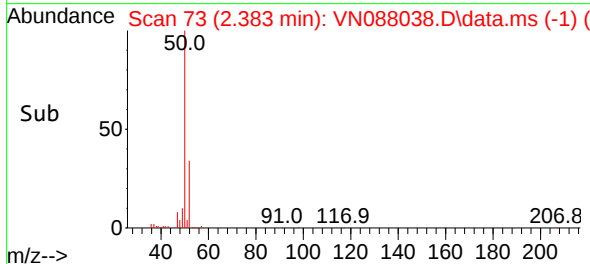
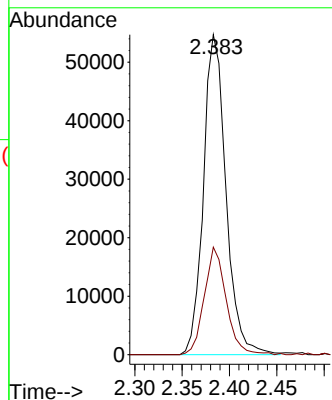
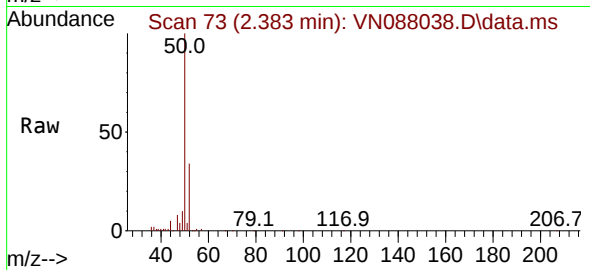
#3
Chloromethane
Concen: 20.609 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Instrument :
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ClientSampleId :
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Tgt Ion: 50 Resp: 9066
Ion Ratio Lower Upper
50 100
52 33.6 26.3 39.5

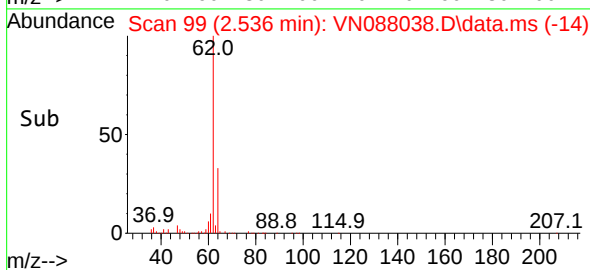
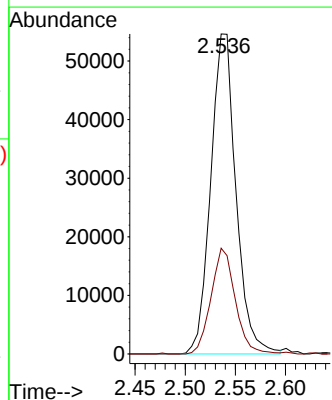
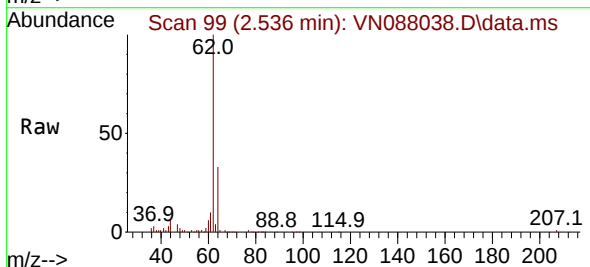
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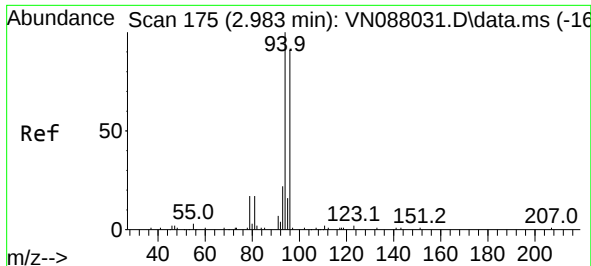
Reviewed By :John Carlone 10/09/2025
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#4
Vinyl Chloride
Concen: 20.907 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

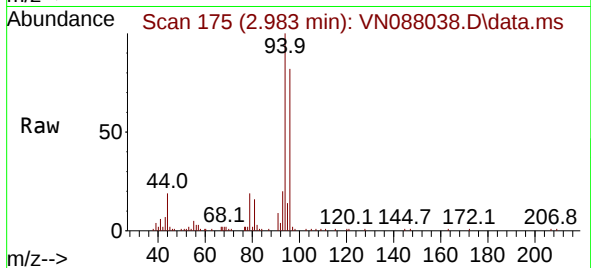
Tgt Ion: 62 Resp: 95902
Ion Ratio Lower Upper
62 100
64 33.1 25.7 38.5





#5
Bromomethane
Concen: 22.766 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

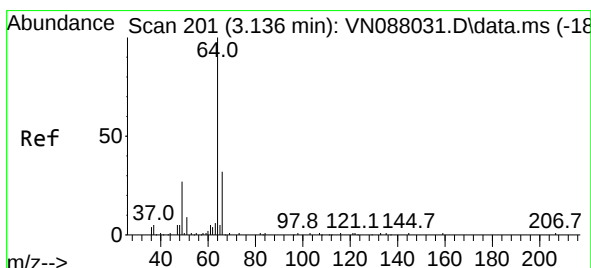
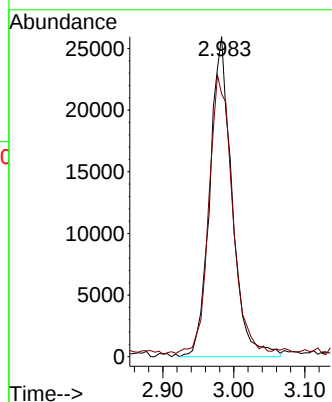
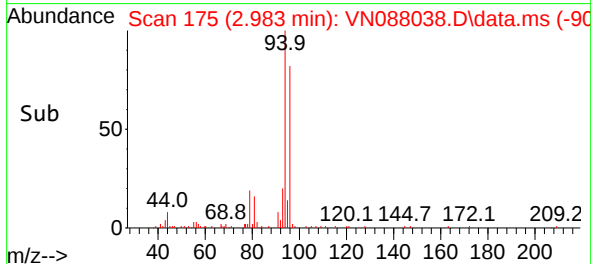
Instrument :
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Tgt Ion: 94 Resp: 5615
Ion Ratio Lower Upper
94 100
96 80.4 73.0 109.4

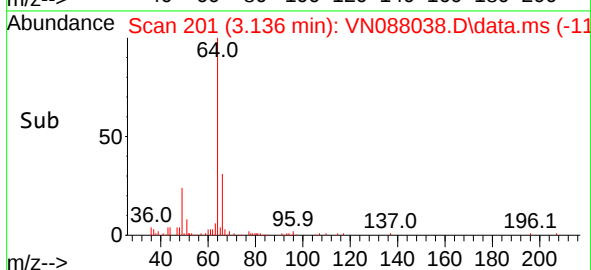
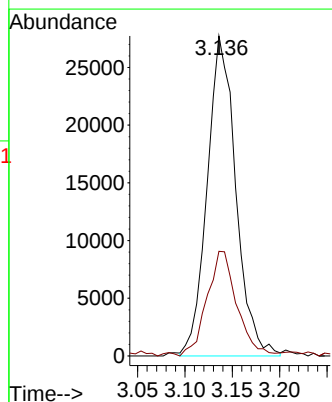
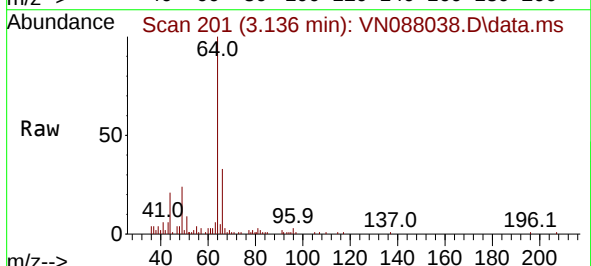
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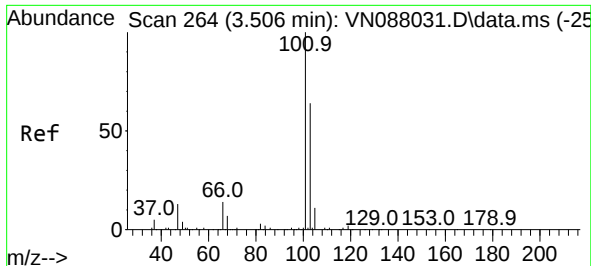
Reviewed By :John Carlone 10/09/2025
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#6
Chloroethane
Concen: 19.295 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion: 64 Resp: 58383
Ion Ratio Lower Upper
64 100
66 33.0 26.8 40.2





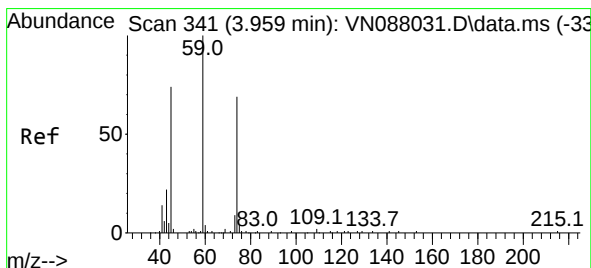
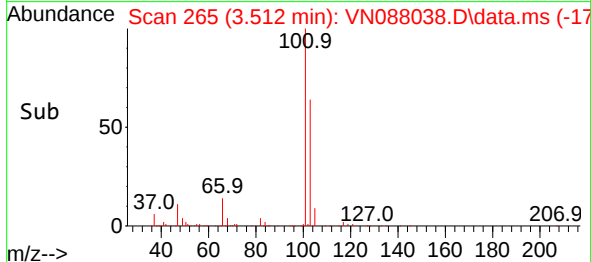
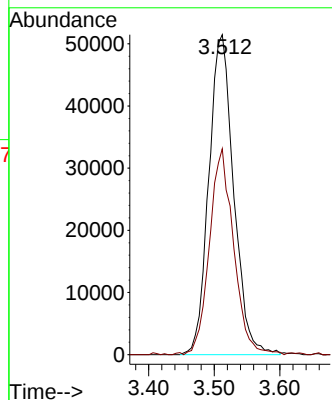
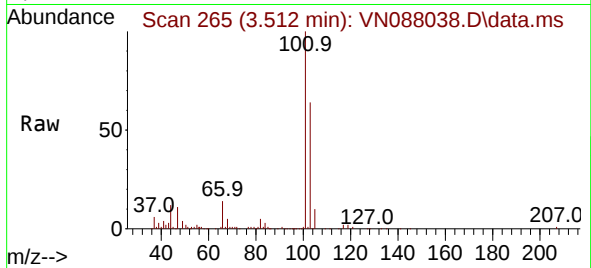
#7
 Trichlorofluoromethane
 Concen: 21.725 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: VN088038.D
 Acq: 08 Oct 2025 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tgt Ion:101 Resp: 13551
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.0 76.4

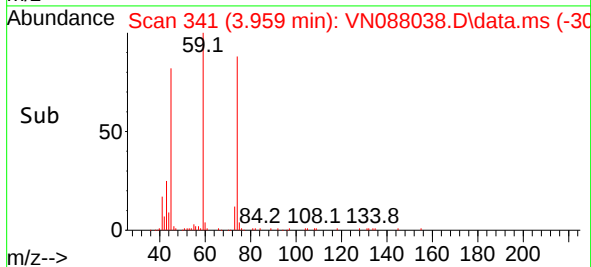
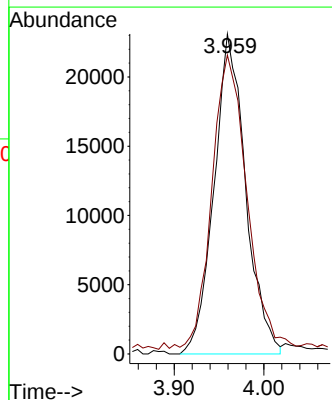
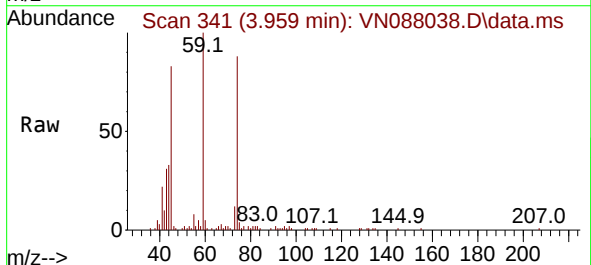
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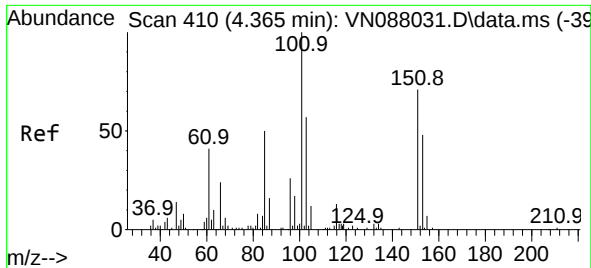
Reviewed By :John Carlone 10/09/2025
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#8
 Diethyl Ether
 Concen: 20.061 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN088038.D
 Acq: 08 Oct 2025 13:59

Tgt Ion: 74 Resp: 56541
 Ion Ratio Lower Upper
 74 100
 45 98.8 20.4 183.8





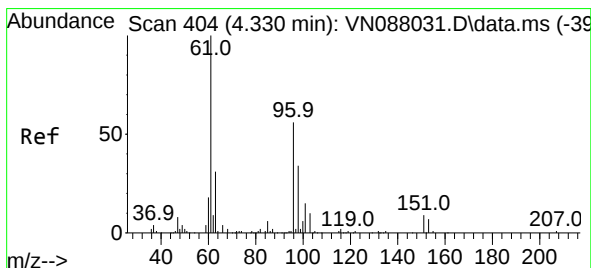
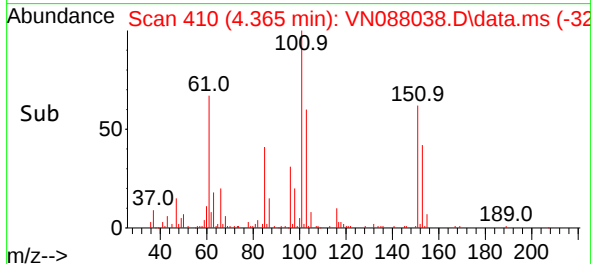
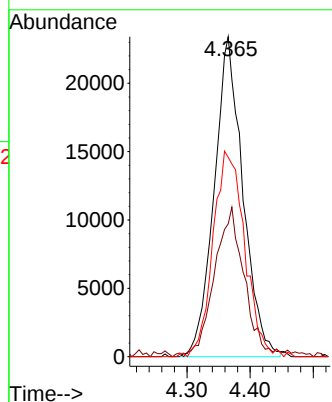
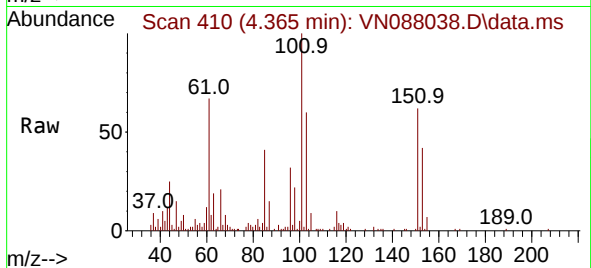
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 1,1,2-Trichlorotrifluoroethane
 Concen: 22.116 ug/l
 RT: 4.365 min Scan# 410
 Delta R.T. 0.000 min
 Lab File: VN088038.D
 Acq: 08 Oct 2025 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tgt Ion:101 Resp: 7384
 Ion Ratio Lower Upper
 101 100
 85 47.8 0.0 103.2
 151 70.1 0.0 141.4

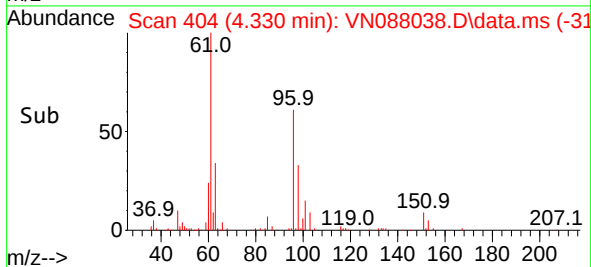
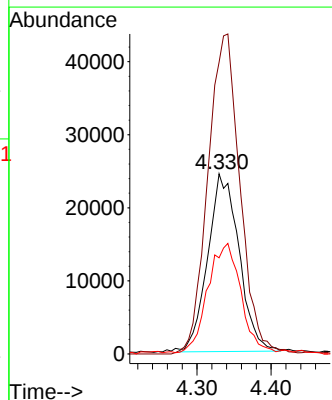
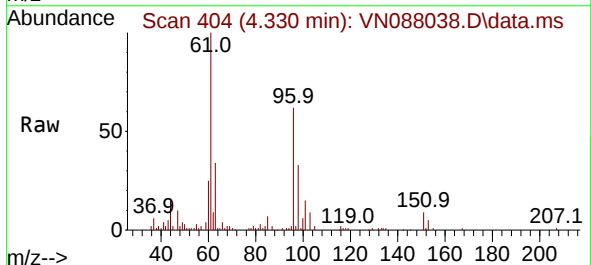
Manual Integrations
 APPROVED

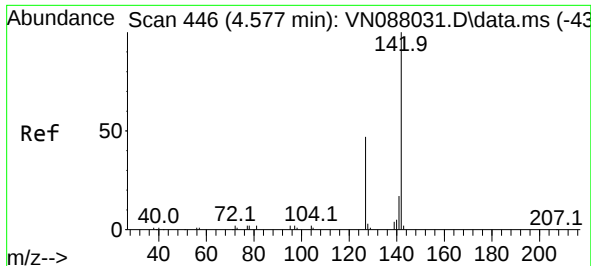
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#10
 1,1-Dichloroethene
 Concen: 19.984 ug/l
 RT: 4.330 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: VN088038.D
 Acq: 08 Oct 2025 13:59

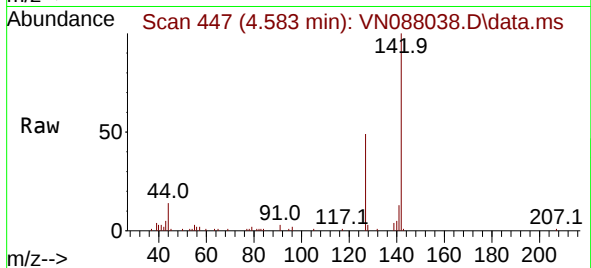
Tgt Ion: 96 Resp: 71183
 Ion Ratio Lower Upper
 96 100
 61 162.8 144.1 216.1
 98 53.4 49.0 73.6





#11
Methyl Iodide
Concen: 19.784 ug/l
RT: 4.583 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

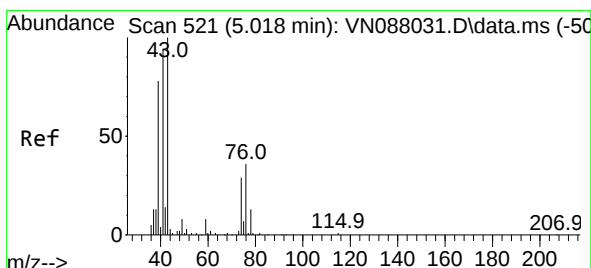
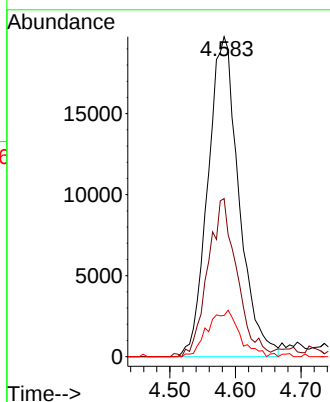
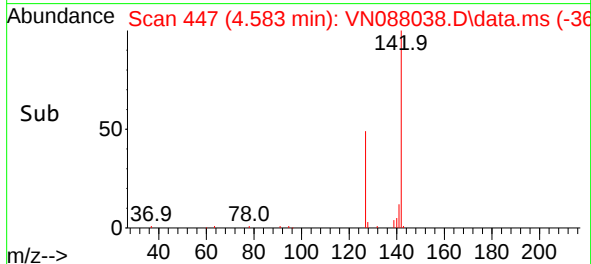
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion:142 Resp: 64948
Ion Ratio Lower Upper
142 100
127 48.4 23.4 70.3
141 13.1 8.8 26.2

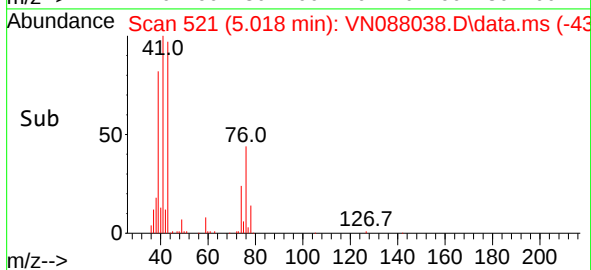
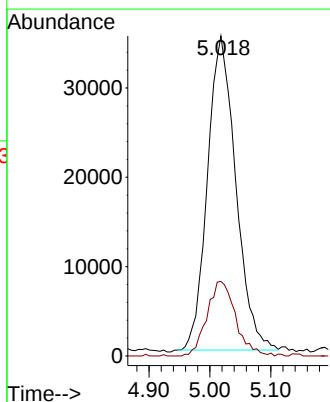
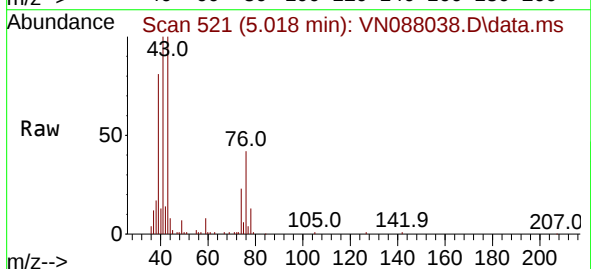
Manual Integrations
APPROVED

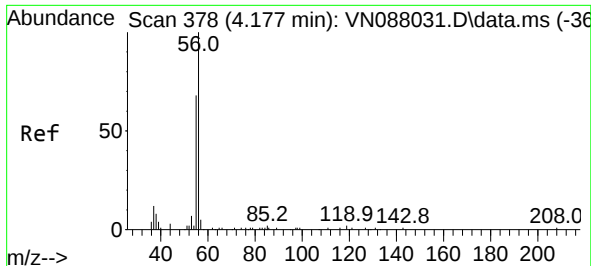
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#12
Methyl Acetate
Concen: 19.644 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion: 43 Resp: 113753
Ion Ratio Lower Upper
43 100
74 23.5 23.3 34.9





#13

Acrolein

Concen: 103.616 ug/l

RT: 4.177 min Scan# 378

Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tgt Ion: 56 Resp: 92850

Ion Ratio Lower Upper

56 100

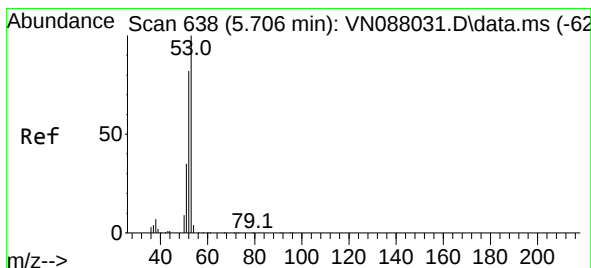
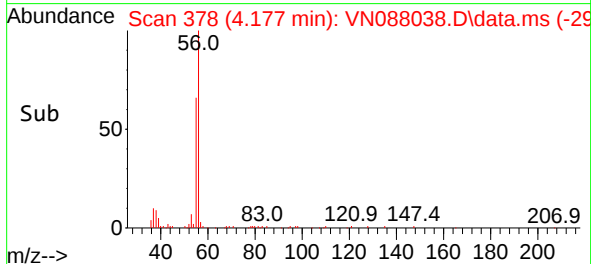
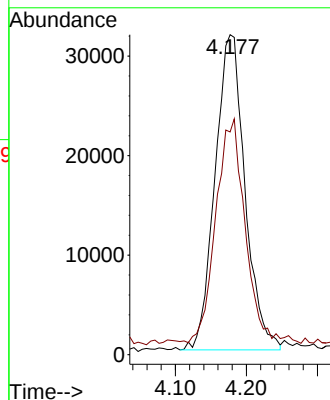
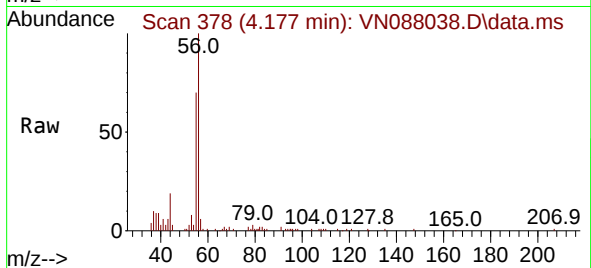
55 72.4 0.3 0.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Acrylonitrile

Concen: 101.205 ug/l

RT: 5.706 min Scan# 638

Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

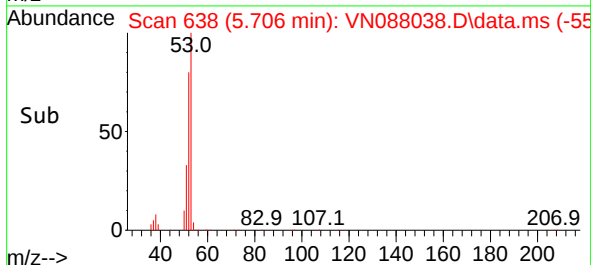
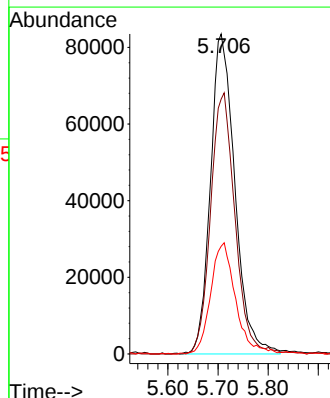
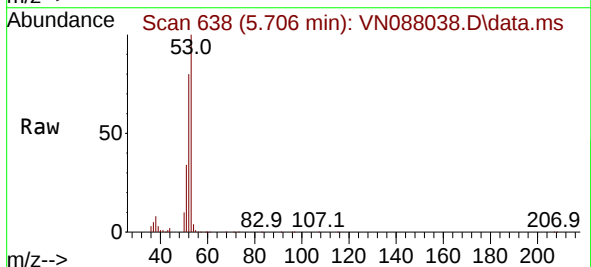
Tgt Ion: 53 Resp: 282814

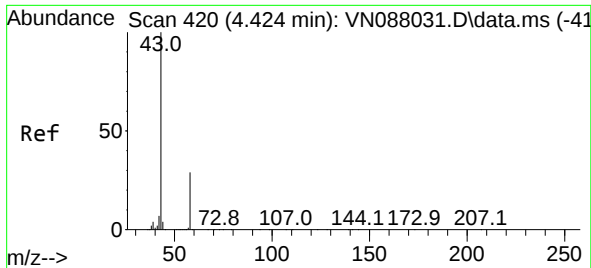
Ion Ratio Lower Upper

53 100

52 80.7 41.3 124.1

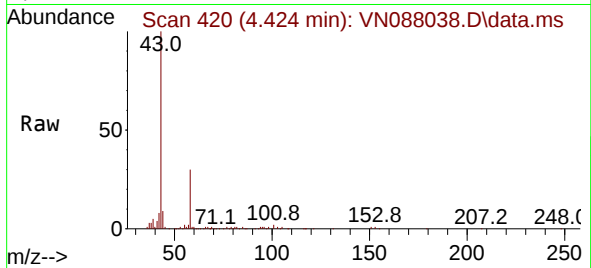
51 35.0 18.0 54.0





#15
Acetone
Concen: 93.292 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

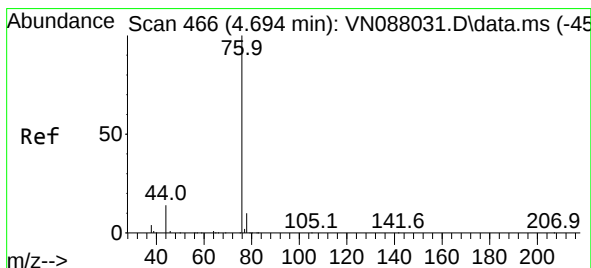
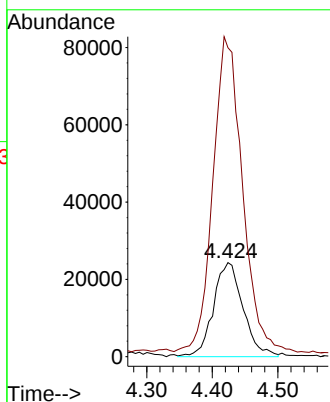
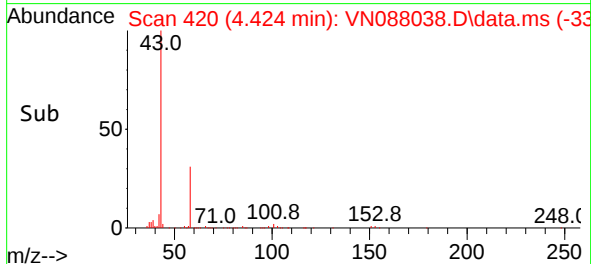
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



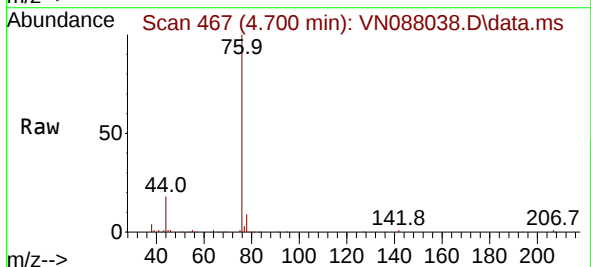
Tgt Ion: 58 Resp: 76348
Ion Ratio Lower Upper
58 100
43 323.8 282.6 424.0

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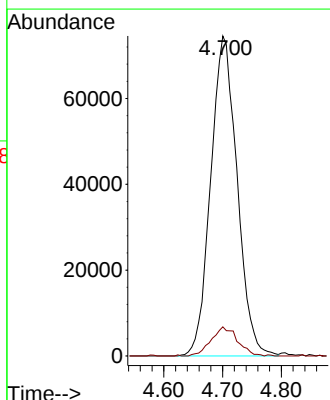
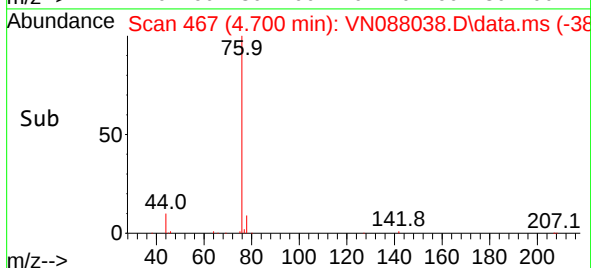
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

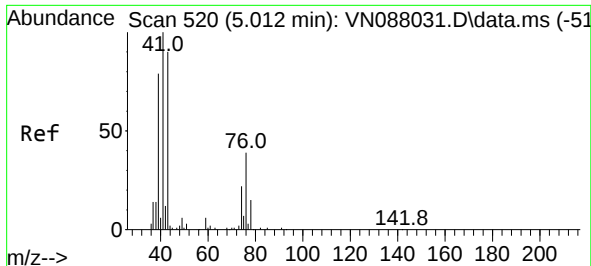


#16
Carbon Disulfide
Concen: 20.857 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



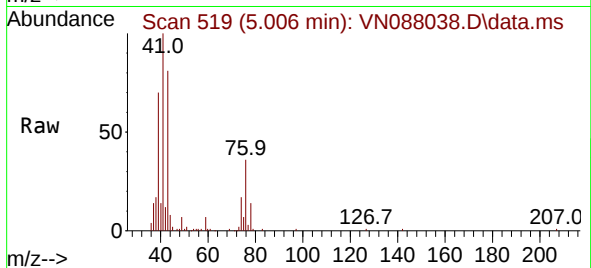
Tgt Ion: 76 Resp: 232887
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.8





#17
Allyl chloride
Concen: 20.254 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

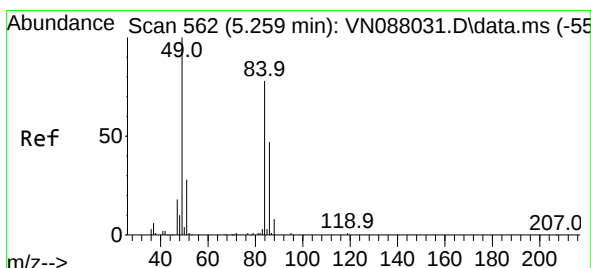
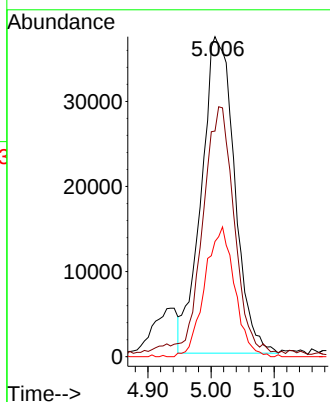
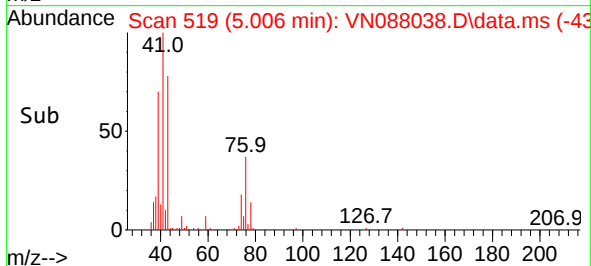
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 41 Resp: 13613
Ion Ratio Lower Upper
41 100
39 69.9 36.4 109.2
76 35.8 18.1 54.1

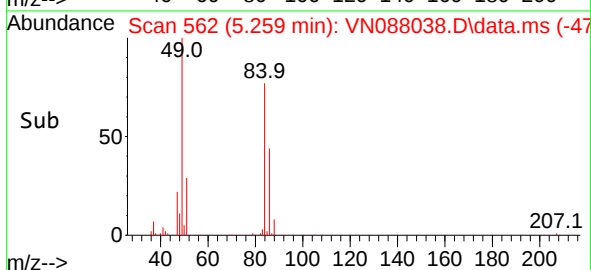
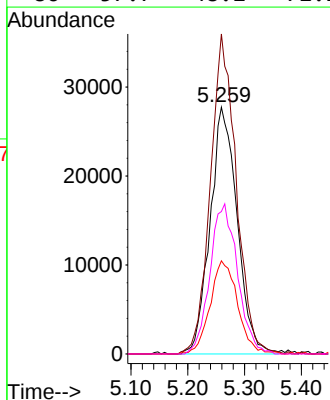
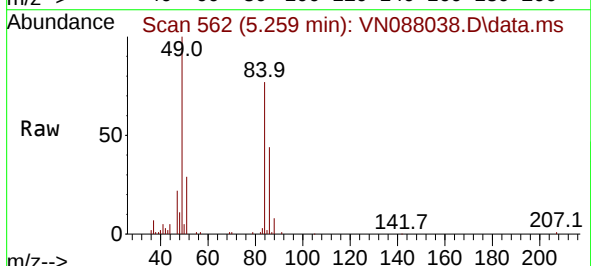
Manual Integrations
APPROVED

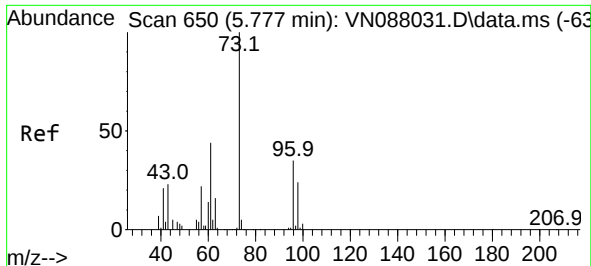
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#18
Methylene Chloride
Concen: 20.272 ug/l
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

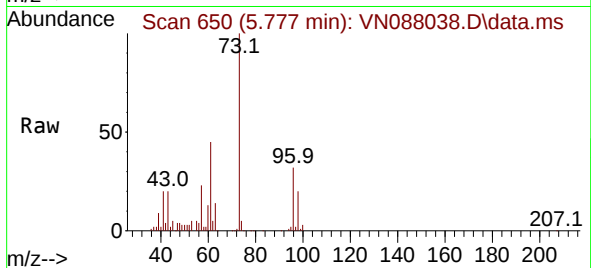
Tgt Ion: 84 Resp: 91774
Ion Ratio Lower Upper
84 100
49 129.7 102.6 153.8
51 37.7 28.6 42.8
86 57.7 48.2 72.2





#19
trans-1,2-Dichloroethene
Concen: 19.994 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

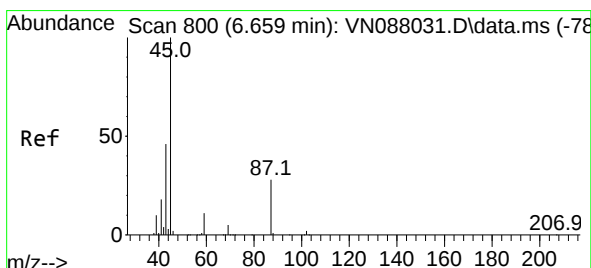
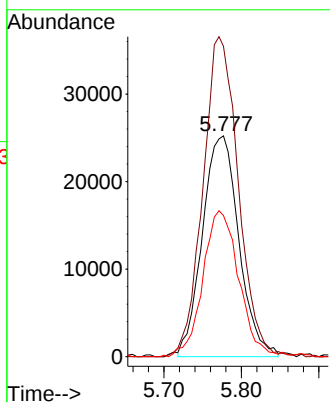
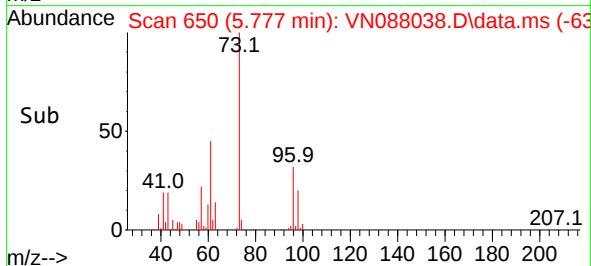
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 96 Resp: 82339
Ion Ratio Lower Upper
96 100
61 140.2 100.6 151.0
98 63.6 54.0 81.0

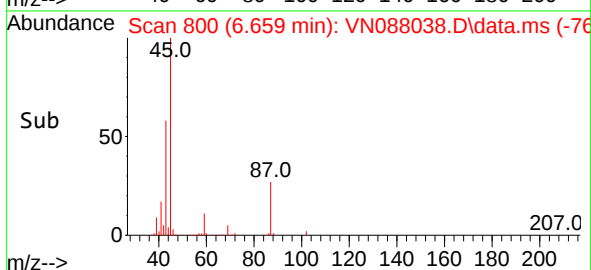
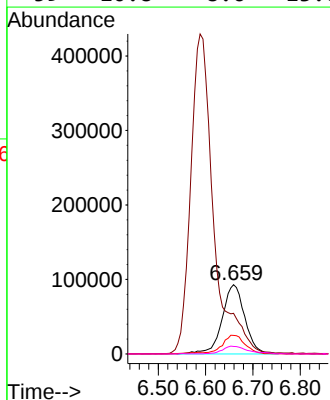
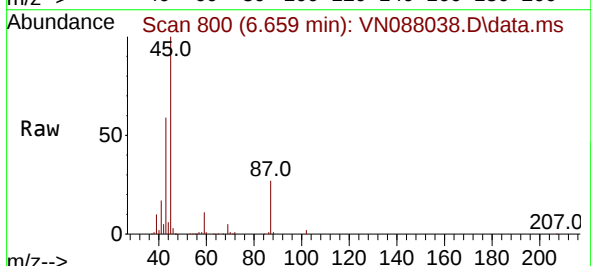
Manual Integrations
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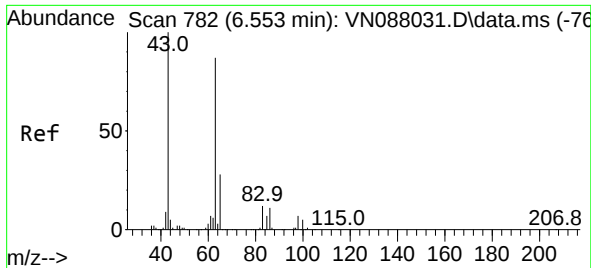
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Diisopropyl ether
Concen: 20.156 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion: 45 Resp: 308424
Ion Ratio Lower Upper
45 100
43 57.1 46.1 69.1
87 26.6 22.3 33.5
59 10.8 8.6 13.0





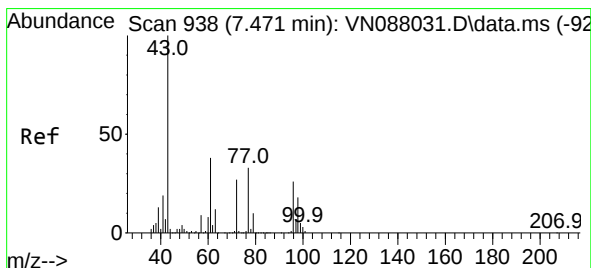
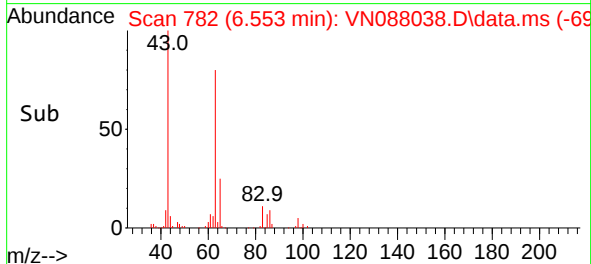
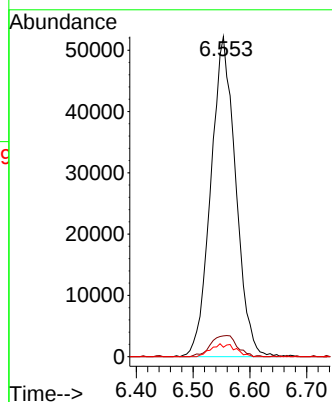
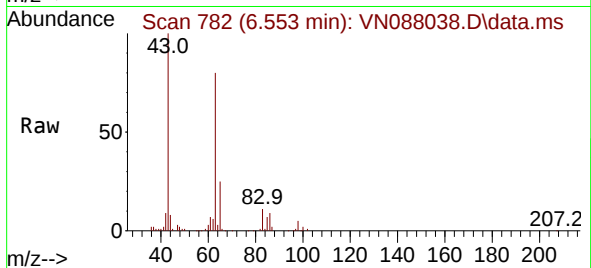
#21
1,1-Dichloroethane
Concen: 19.908 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tgt Ion: 63 Resp: 15858
Ion Ratio Lower Upper
63 100
98 6.5 4.3 12.8
100 2.9 2.6 8.0

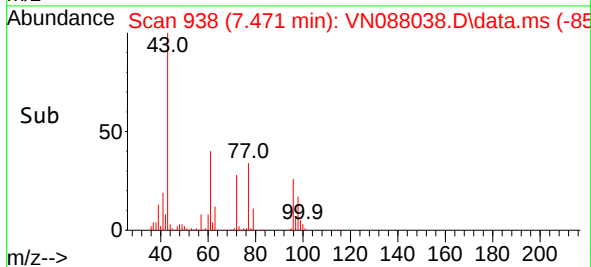
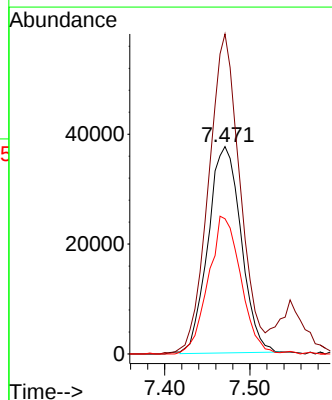
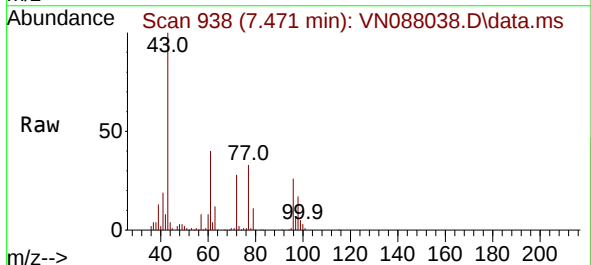
Manual Integrations
APPROVED

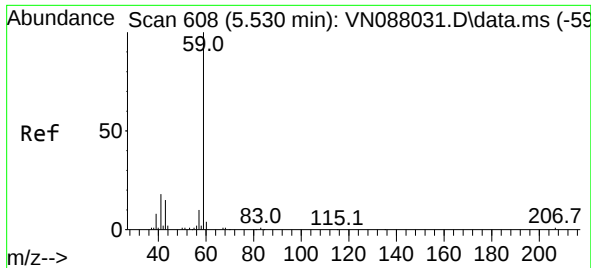
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#22
cis-1,2-Dichloroethene
Concen: 19.621 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

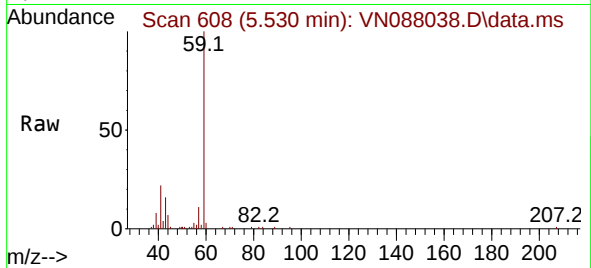
Tgt Ion: 96 Resp: 101151
Ion Ratio Lower Upper
96 100
61 147.5 117.0 175.6
98 65.6 52.6 79.0





#23
tert-Butyl Alcohol
Concen: 102.298 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

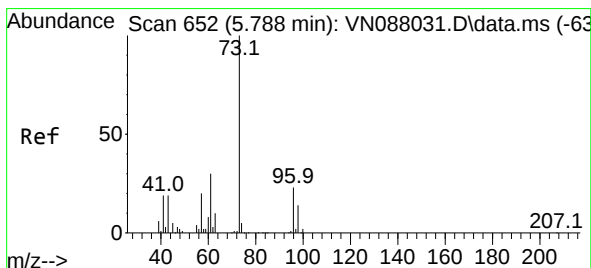
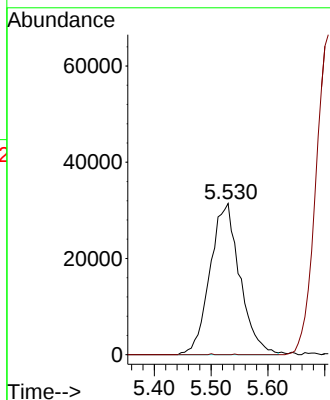
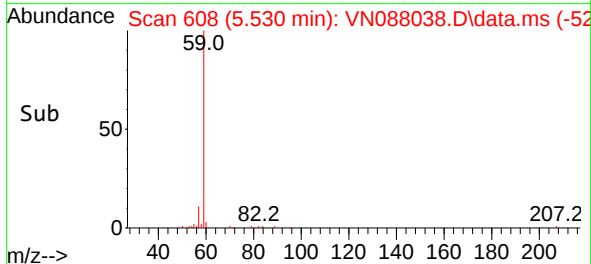
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



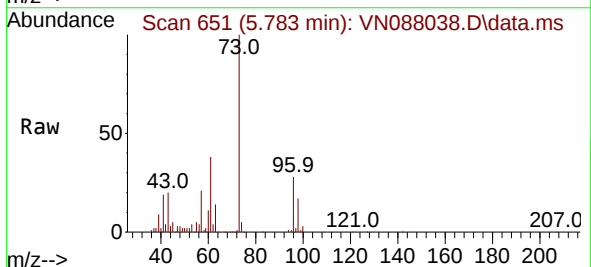
Tgt Ion: 59 Resp: 11465
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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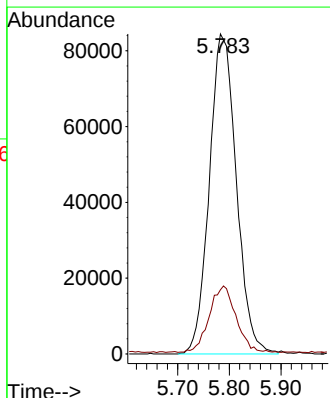
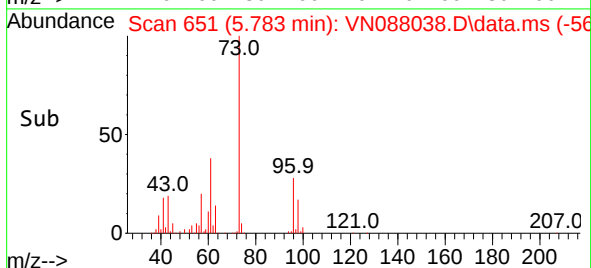
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

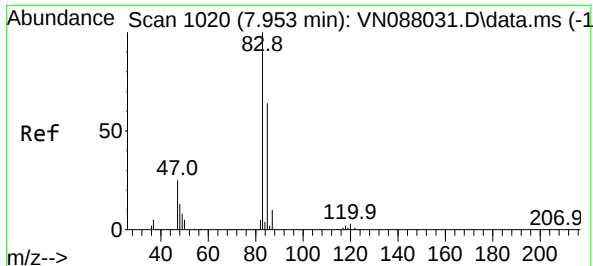


#24
Methyl tert-Butyl Ether
Concen: 19.979 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



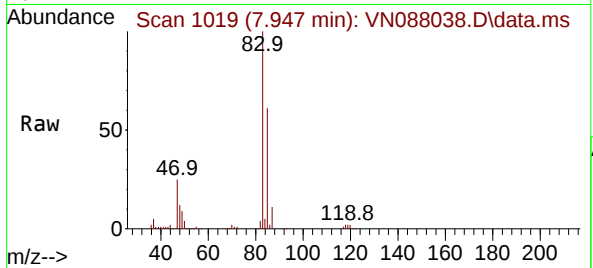
Tgt Ion: 73 Resp: 307170
Ion Ratio Lower Upper
73 100
43 20.6 17.0 25.4





#25
Chloroform
Concen: 19.875 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

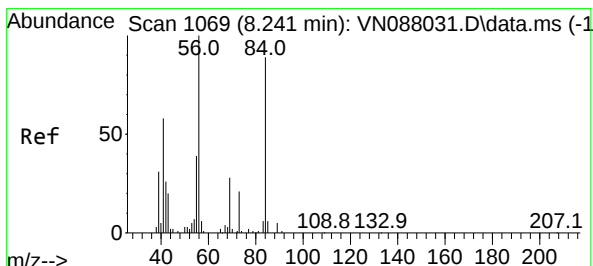
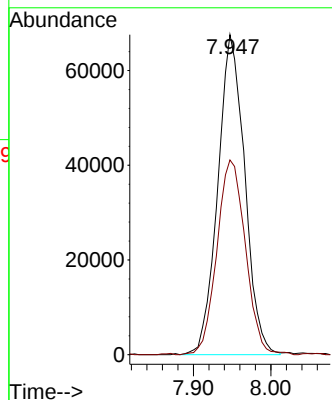
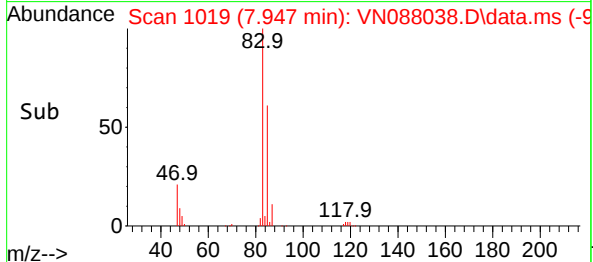
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



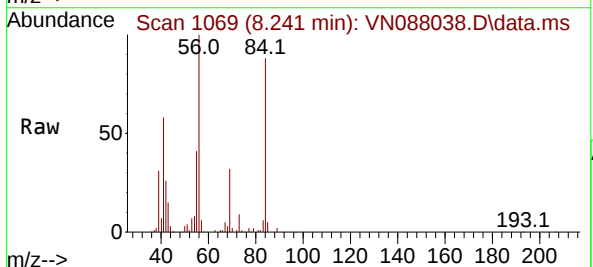
Tgt Ion: 83 Resp: 163380
Ion Ratio Lower Upper
83 100
85 60.8 50.9 76.3

Manual Integrations
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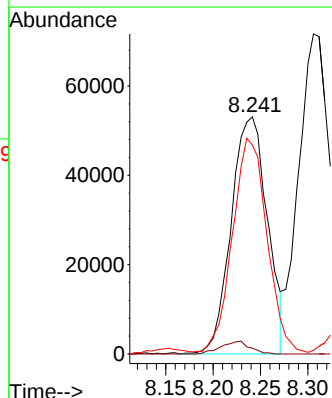
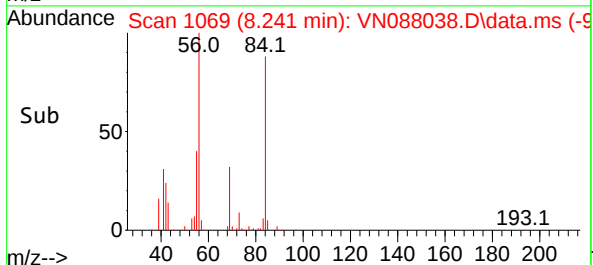
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

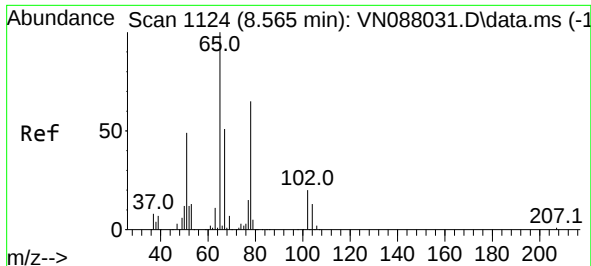


#26
Cyclohexane
Concen: 21.376 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



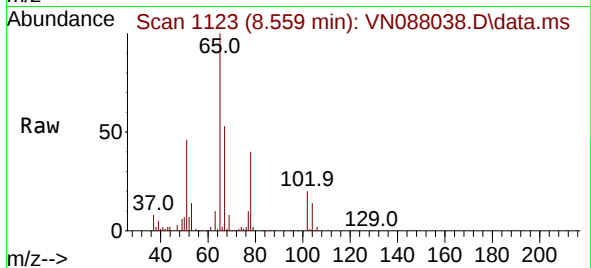
Tgt Ion: 56 Resp: 141081
Ion Ratio Lower Upper
56 100
89 4.3 8.6 12.8#
84 87.5 69.6 104.4





#27
1,2-Dichloroethane-d4
Concen: 29.883 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

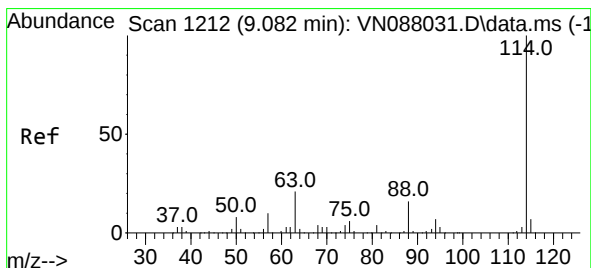
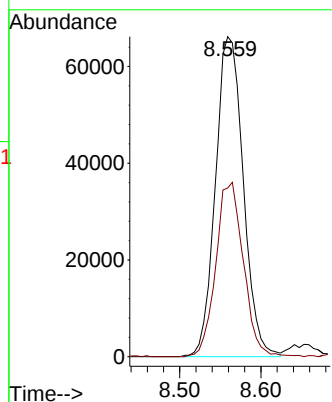
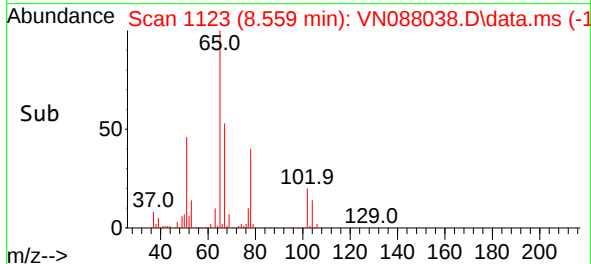
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



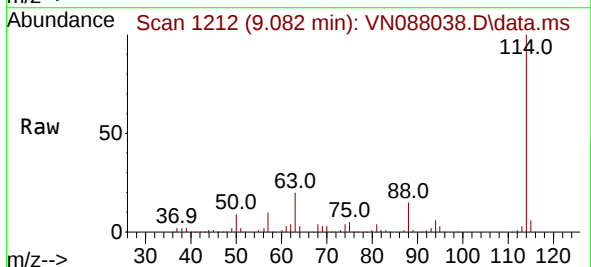
Tgt Ion: 65 Resp: 157639
Ion Ratio Lower Upper
65 100
67 53.9 41.9 62.9

Manual Integrations
APPROVED

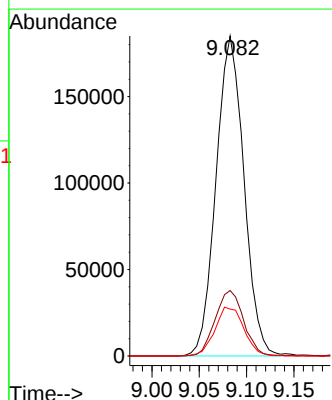
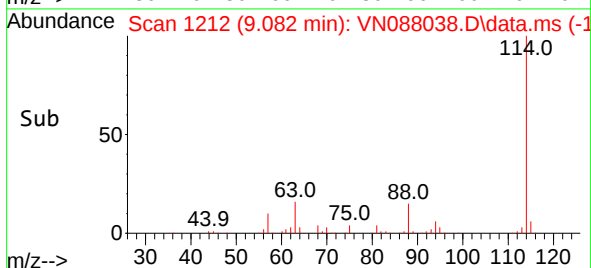
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

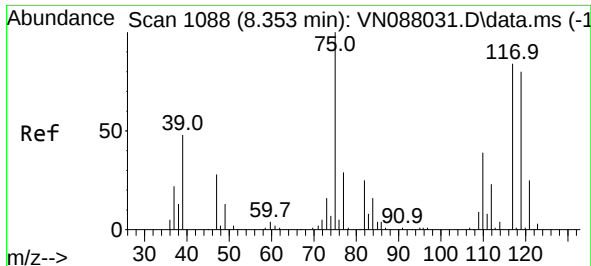


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



Tgt Ion:114 Resp: 378996
Ion Ratio Lower Upper
114 100
63 20.9 16.6 25.0
88 15.9 12.6 18.8





#29
1,1-Dichloropropene
Concen: 20.744 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

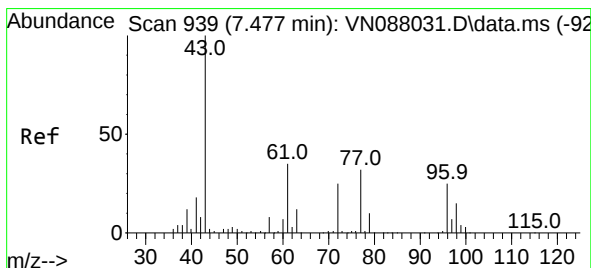
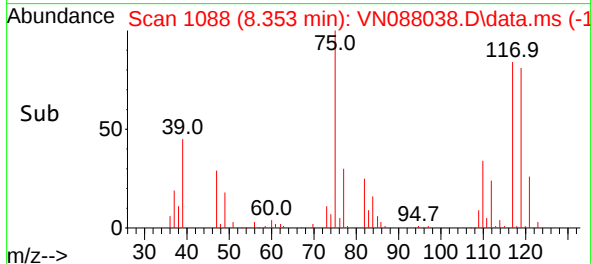
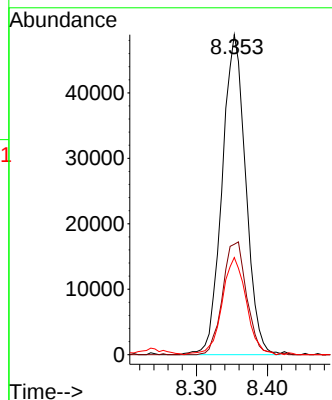
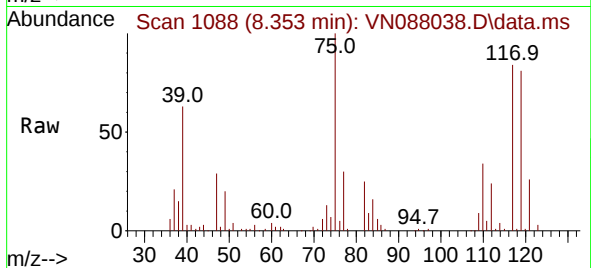
Tgt Ion: 75 Resp: 112694
Ion Ratio Lower Upper
75 100
110 35.8 0.0 72.2
77 31.1 0.0 60.6

Manual Integrations

APPROVED

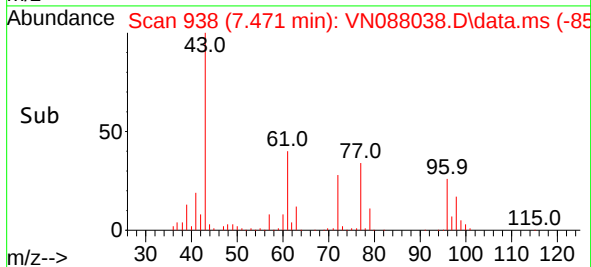
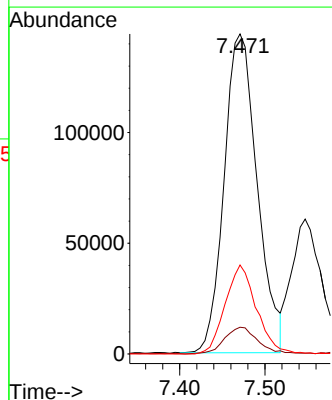
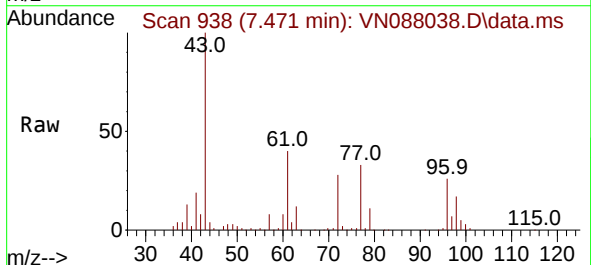
Reviewed By :John Carlone 10/09/2025

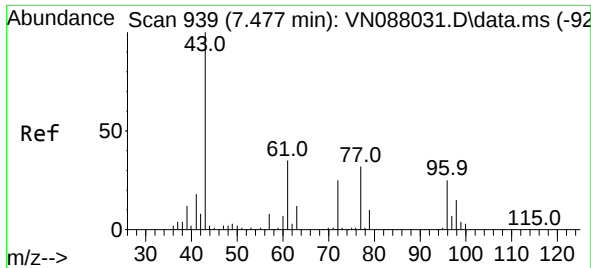
Supervised By :Mahesh Dadoda 10/10/2025



#30
2-Butanone
Concen: 96.945 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

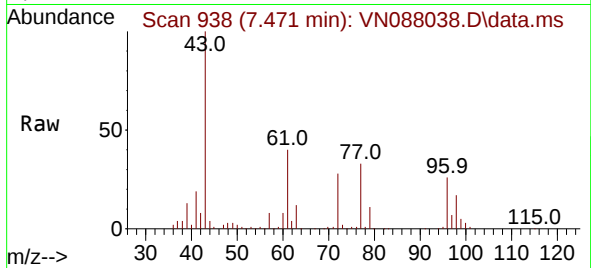
Tgt Ion: 43 Resp: 388424
Ion Ratio Lower Upper
43 100
57 8.5 6.5 9.7
72 26.4 21.4 32.2





#31
2,2-Dichloropropane
Concen: 20.045 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

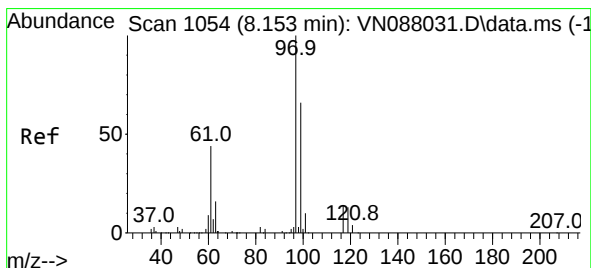
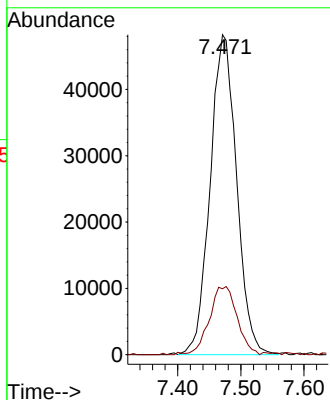
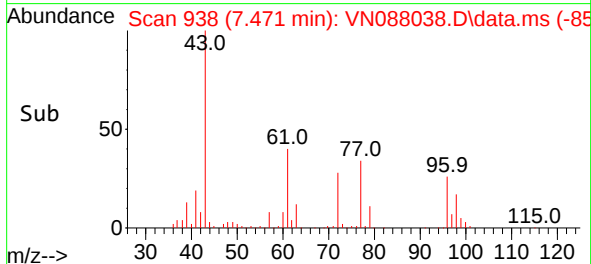
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



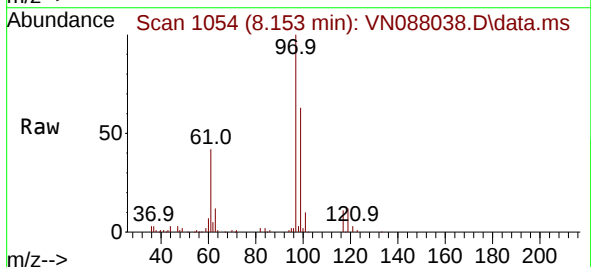
Tgt Ion: 77 Resp: 14030
Ion Ratio Lower Upper
77 100
97 22.1 17.8 26.8

Manual Integrations
APPROVED

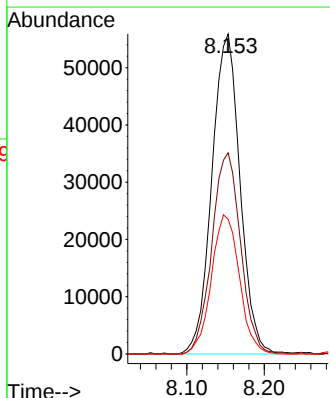
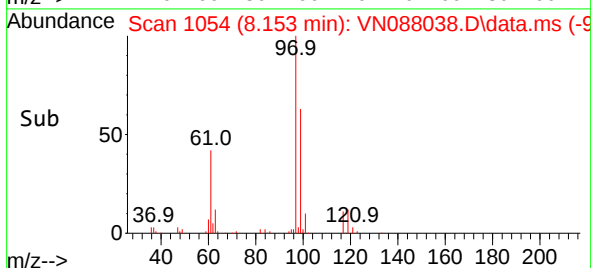
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

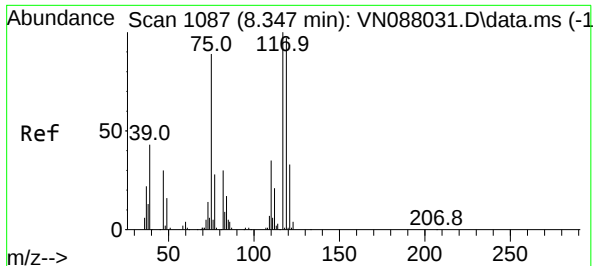


#32
1,1,1-Trichloroethane
Concen: 20.782 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



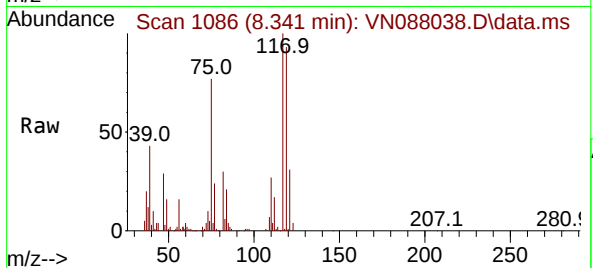
Tgt Ion: 97 Resp: 141075
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 43.4 34.7 52.1





#33
Carbon Tetrachloride
Concen: 21.222 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

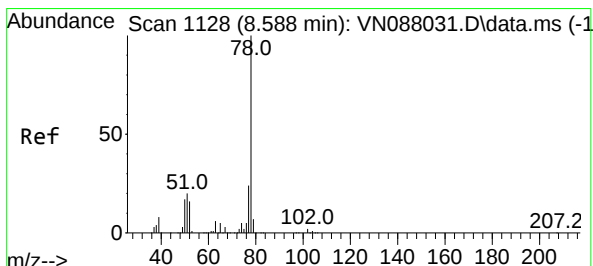
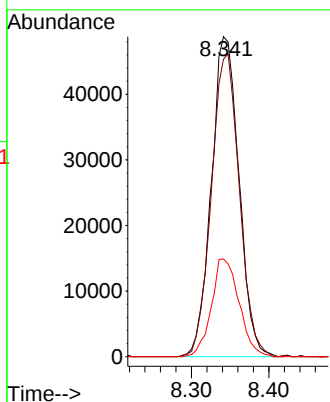
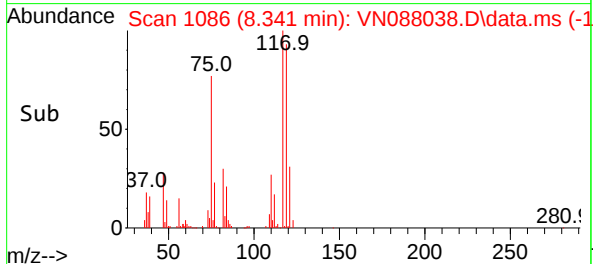
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



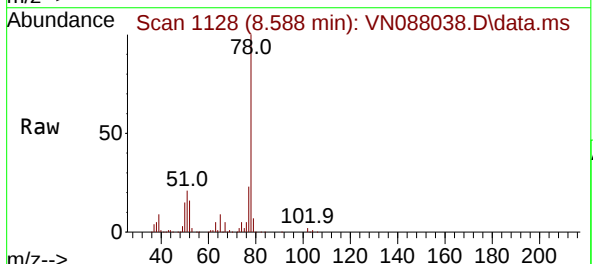
Tgt Ion: 117 Resp: 12066
Ion Ratio Lower Upper
117 100
119 93.0 77.9 116.9
121 30.6 26.4 39.6

Manual Integrations
APPROVED

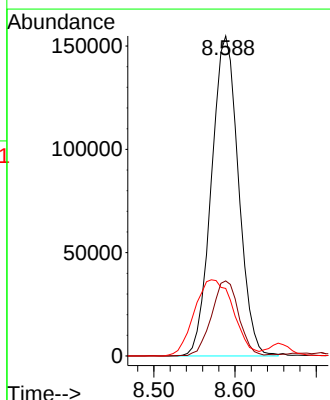
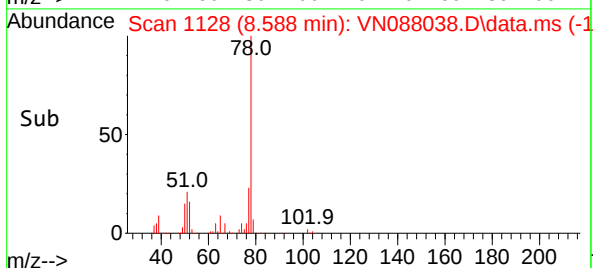
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

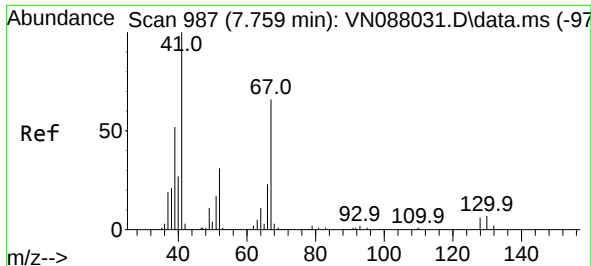


#34
Benzene
Concen: 19.868 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



Tgt Ion: 78 Resp: 358011
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3
51 19.4 15.6 23.4





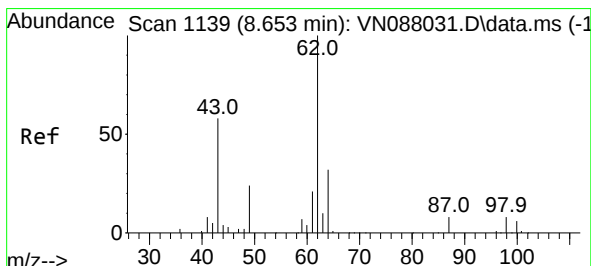
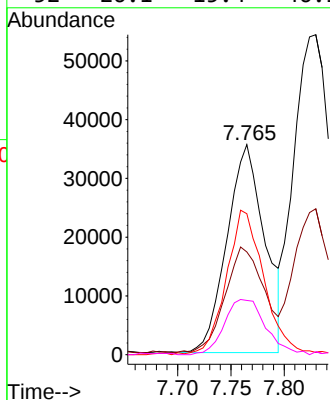
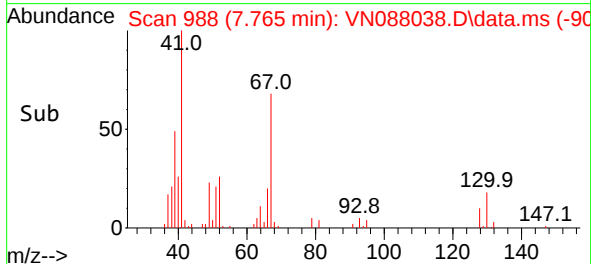
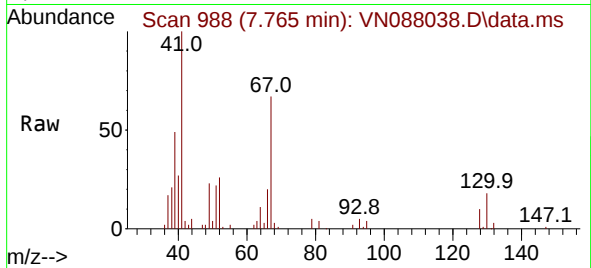
#35
Methacrylonitrile
Concen: 20.766 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tgt Ion:	41	Resp:	8749
Ion Ratio	Lower	Upper	
41	100		
39	48.1	26.1	78.3
67	66.9	33.1	99.2
52	26.1	15.4	46.1

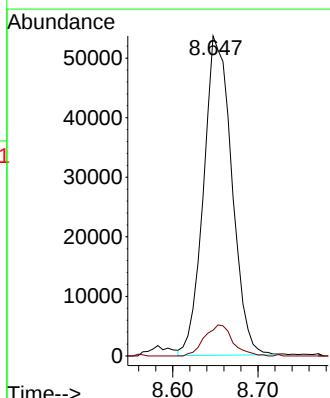
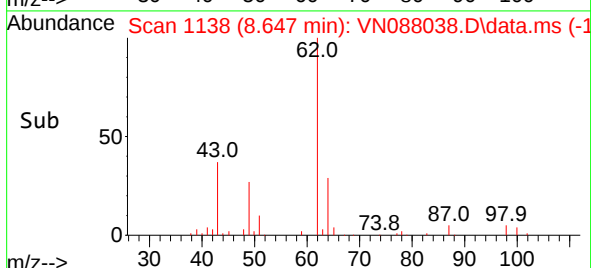
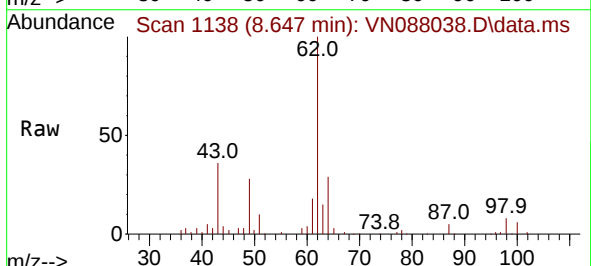
Manual Integrations
APPROVED

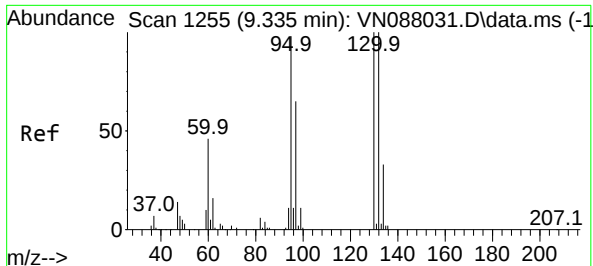
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#36
1,2-Dichloroethane
Concen: 19.734 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion:	62	Resp:	123448
Ion Ratio	Lower	Upper	
62	100		
98	9.7	7.8	11.6





#37

Trichloroethene

Concen: 20.080 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tgt Ion:130 Resp: 85720

Ion Ratio Lower Upper

130 100

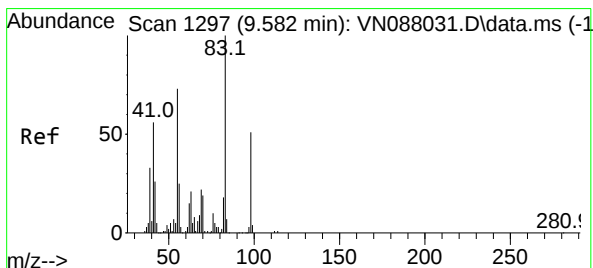
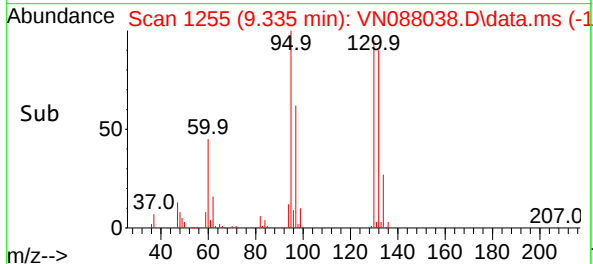
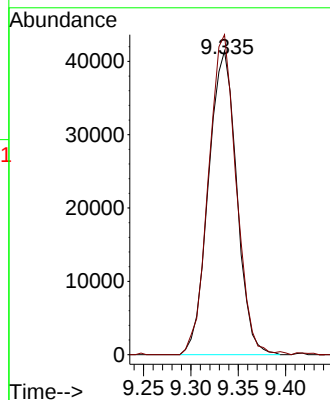
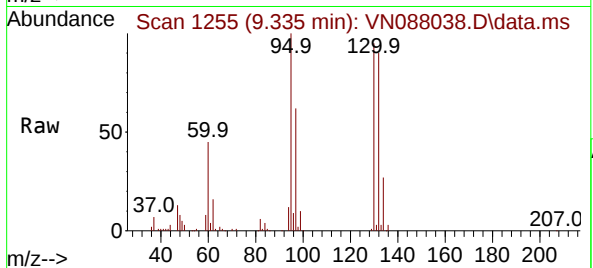
95 105.4 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Methylcyclohexane

Concen: 22.053 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

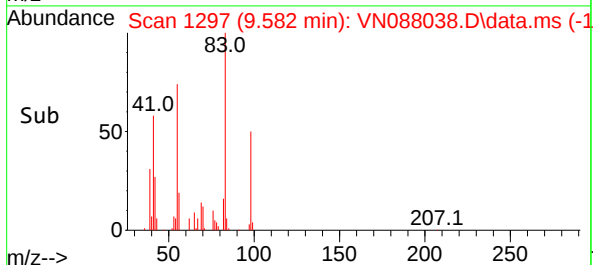
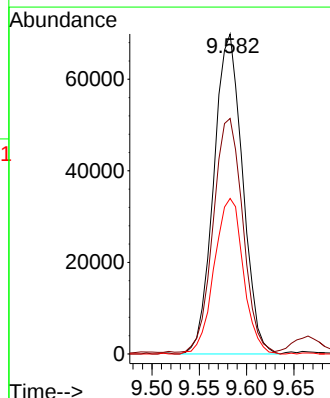
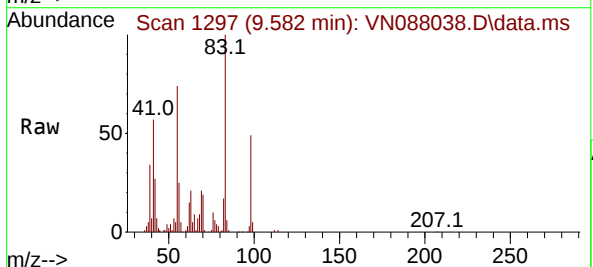
Tgt Ion: 83 Resp: 147949

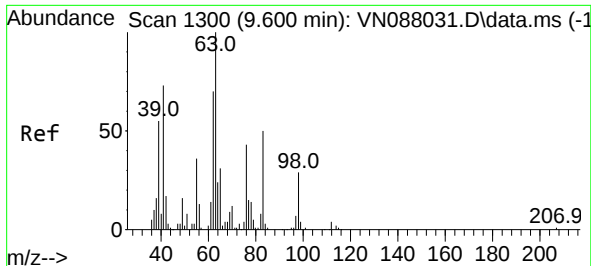
Ion Ratio Lower Upper

83 100

55 74.7 37.3 111.9

98 49.1 25.4 76.0





#39

1,2-Dichloropropane

Concen: 19.415 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tgt Ion: 63 Resp: 8772

Ion Ratio Lower Upper

63 100

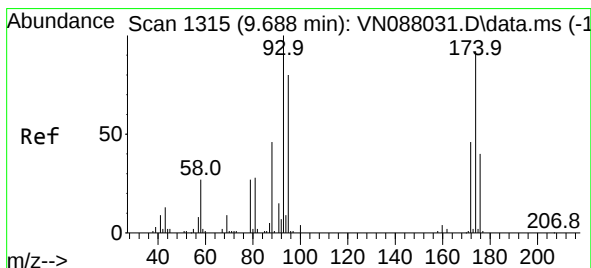
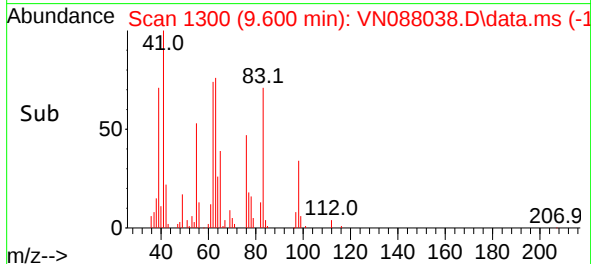
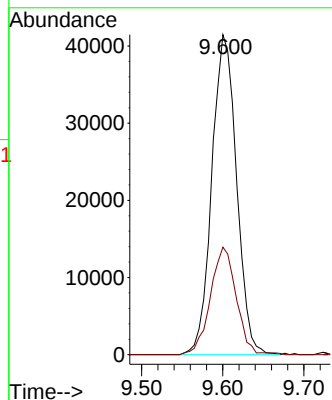
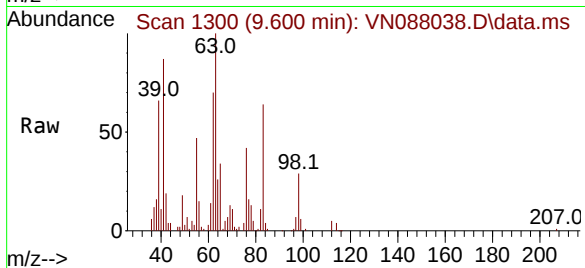
65 33.6 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Dibromomethane

Concen: 19.916 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

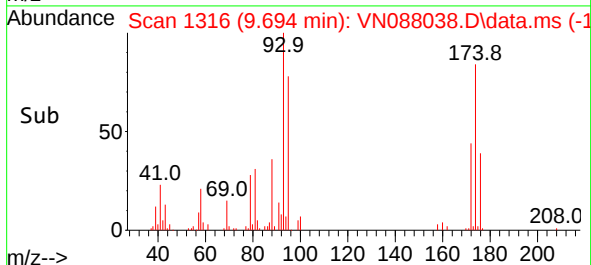
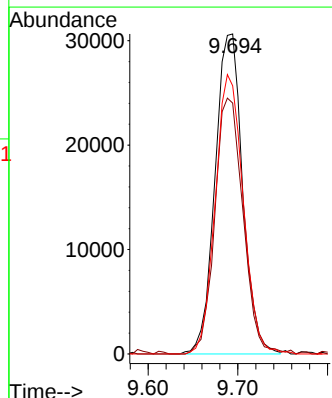
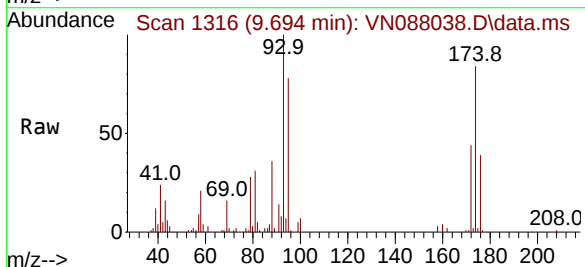
Tgt Ion: 93 Resp: 65500

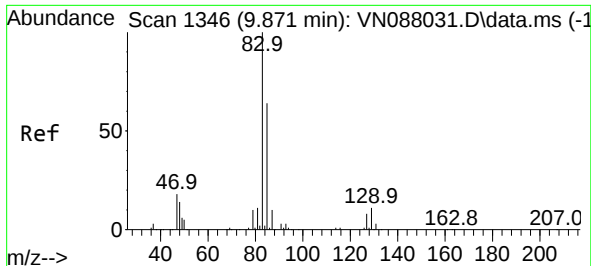
Ion Ratio Lower Upper

93 100

95 81.5 0.0 158.6

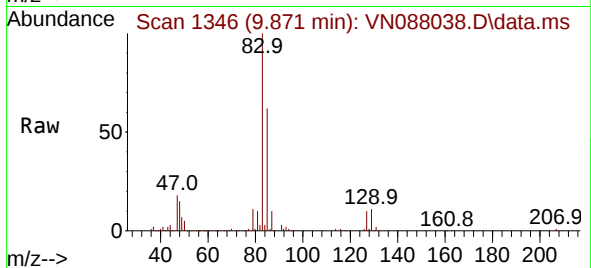
174 88.2 0.0 180.8





#41
Bromodichloromethane
Concen: 19.965 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

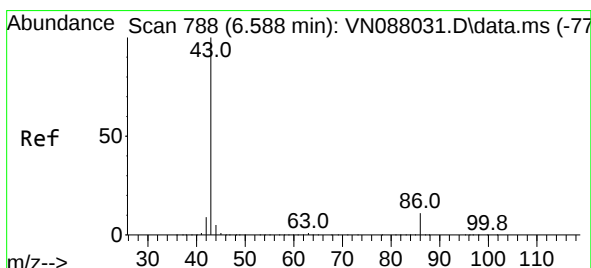
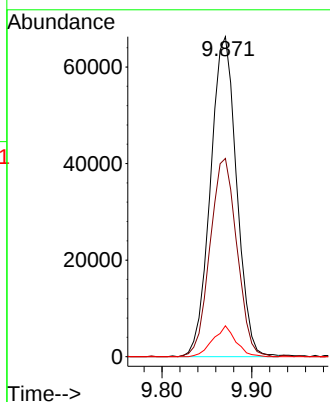
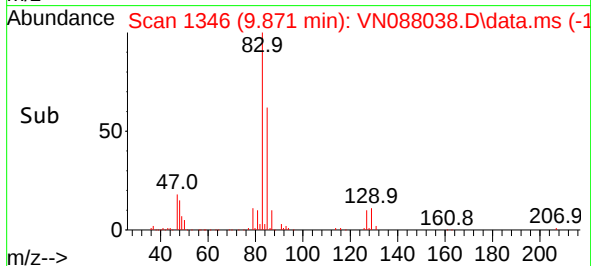
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 83 Resp: 13410
Ion Ratio Lower Upper
83 100
85 61.9 51.0 76.4
127 9.6 6.1 9.1

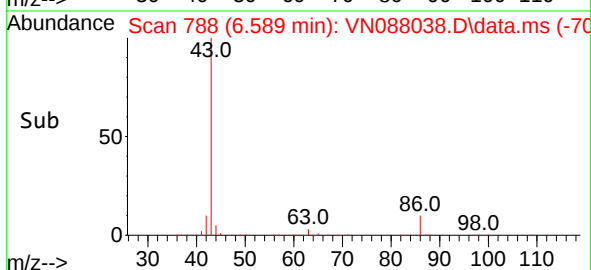
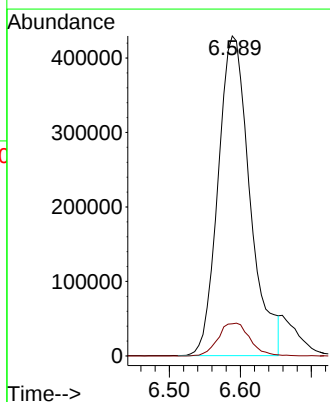
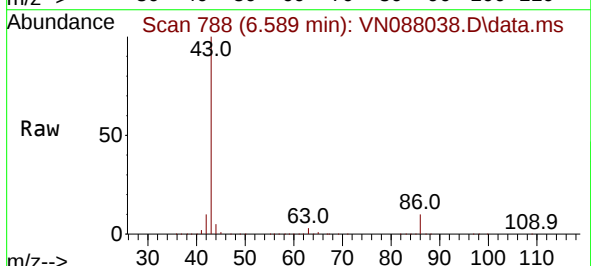
Manual Integrations
APPROVED

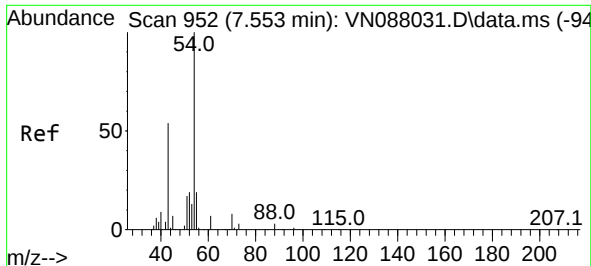
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Vinyl Acetate
Concen: 97.893 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

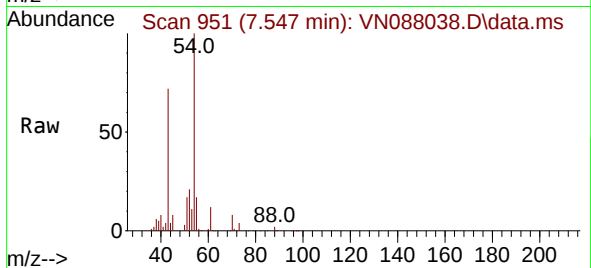
Tgt Ion: 43 Resp: 1336189
Ion Ratio Lower Upper
43 100
86 10.2 8.4 12.6





#43
Ethyl Acetate
Concen: 19.917 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

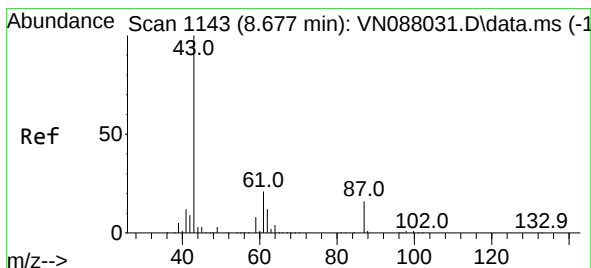
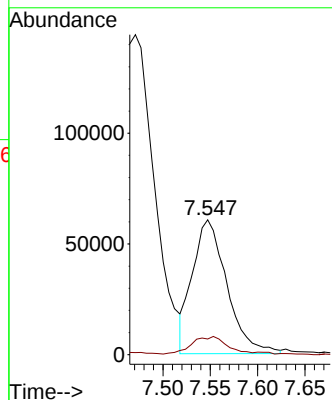
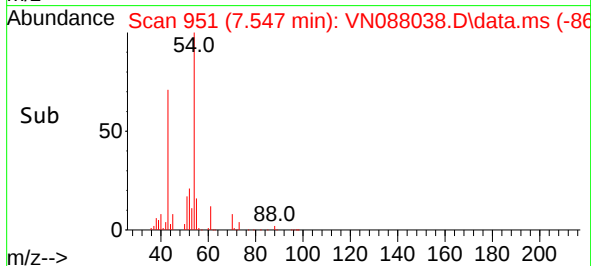
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 43 Resp: 15339
Ion Ratio Lower Upper
43 100
45 6.8 10.2 15.4

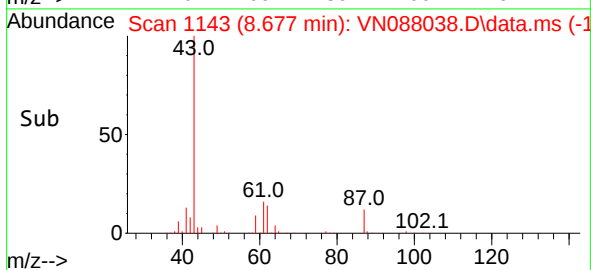
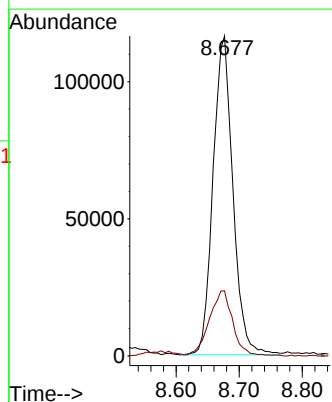
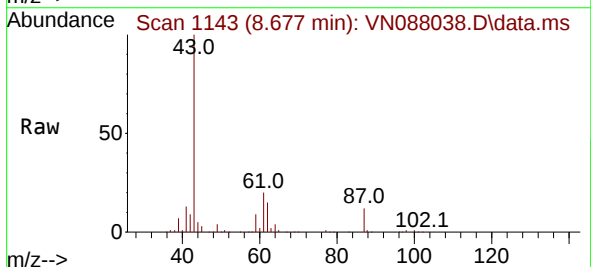
Manual Integrations
APPROVED

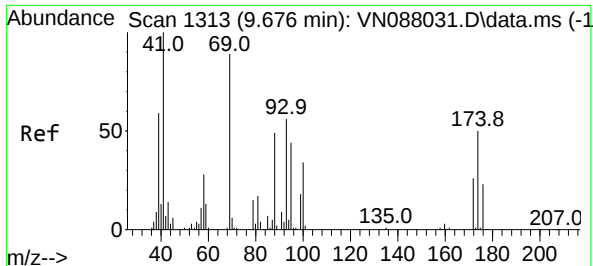
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
Isopropyl Acetate
Concen: 20.179 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion: 43 Resp: 253840
Ion Ratio Lower Upper
43 100
61 24.2 18.7 28.1





#45

1,4-Dioxane

Concen: 410.661 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.006 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

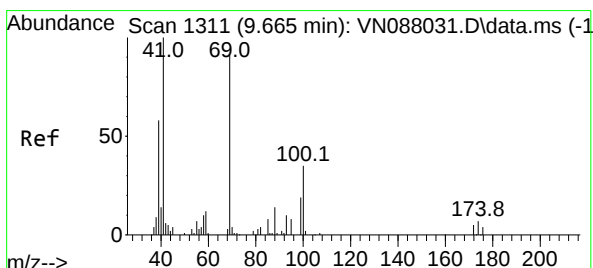
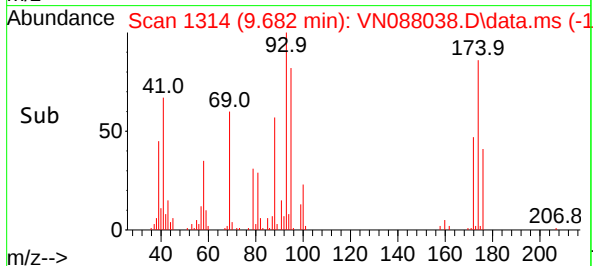
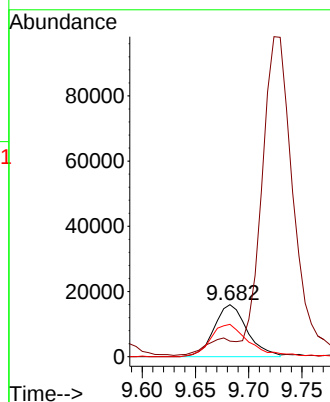
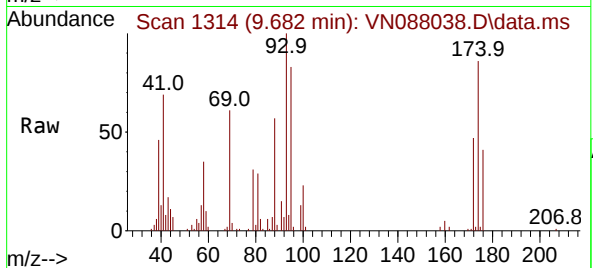
Tgt Ion:	88	Resp:	3435
Ion	Ratio	Lower	Upper
88	100		
43	29.4	18.6	27.8
58	72.2	57.4	86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Methyl methacrylate

Concen: 20.692 ug/l

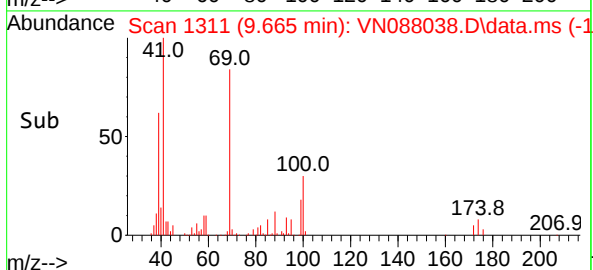
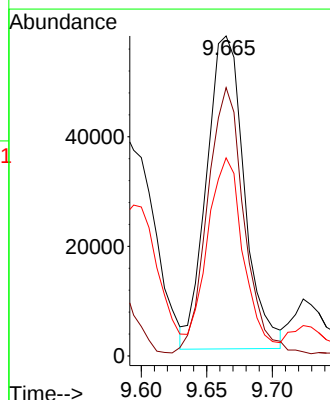
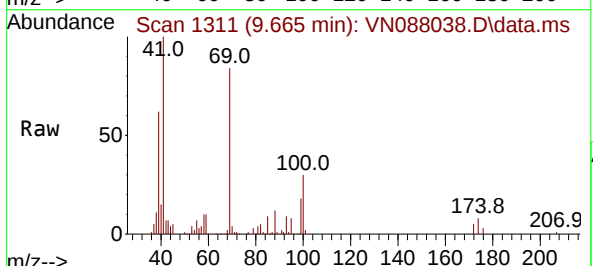
RT: 9.665 min Scan# 1311

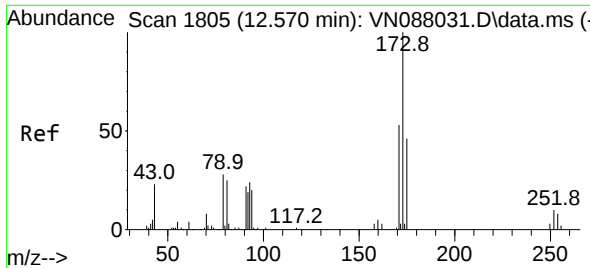
Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

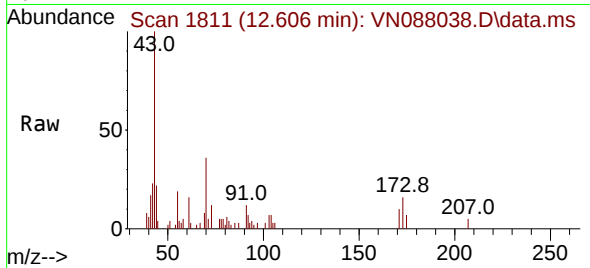
Tgt Ion:	41	Resp:	114629
Ion	Ratio	Lower	Upper
41	100		
69	88.4	44.9	134.7
39	62.8	30.3	90.8





#47
n-amyl acetate
Concen: 21.884 ug/l m
RT: 12.606 min Scan# 1805
Delta R.T. 0.035 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

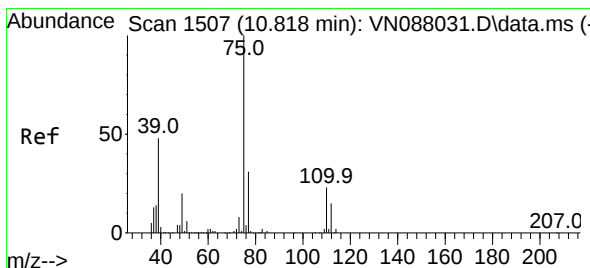
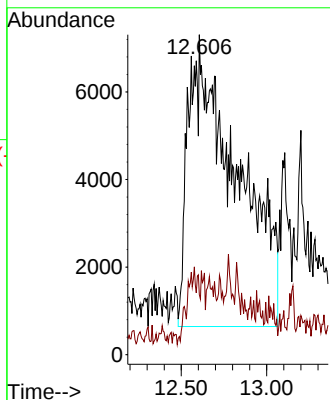
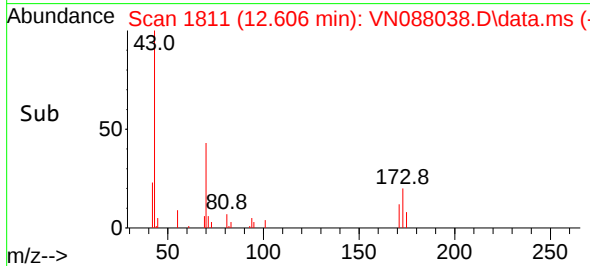
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 43 Resp: 130480
Ion Ratio Lower Upper
43 100
55 0.4 0.6 0.8

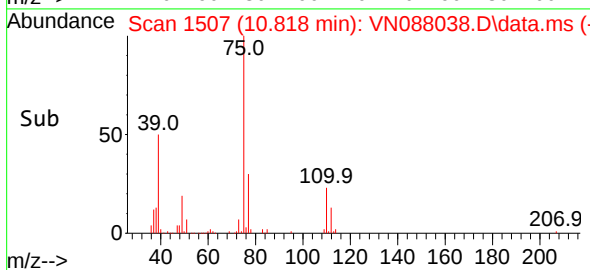
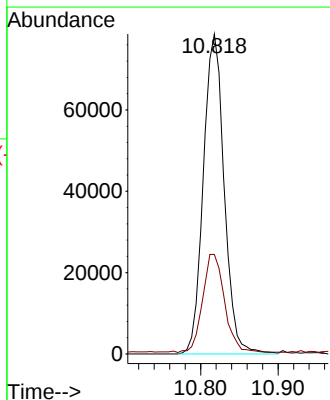
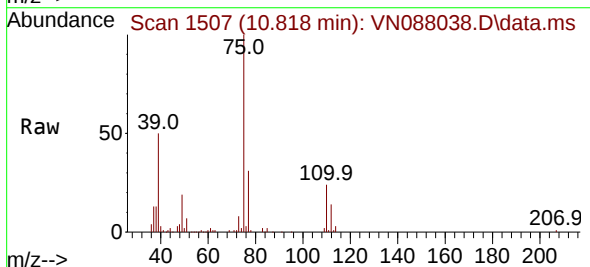
Manual Integrations
APPROVED

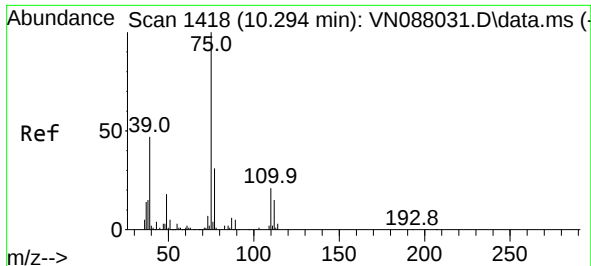
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#48
t-1,3-Dichloropropene
Concen: 19.674 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

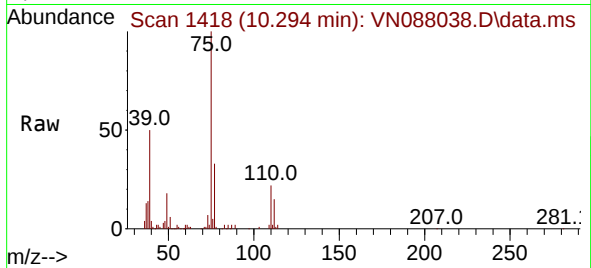
Tgt Ion: 75 Resp: 146947
Ion Ratio Lower Upper
75 100
77 30.6 24.5 36.7





#49
 cis-1,3-Dichloropropene
 Concen: 19.491 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN088038.D
 Acq: 08 Oct 2025 13:59

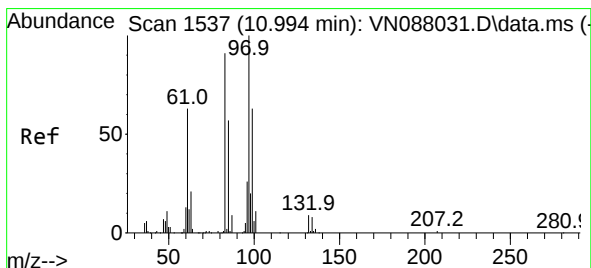
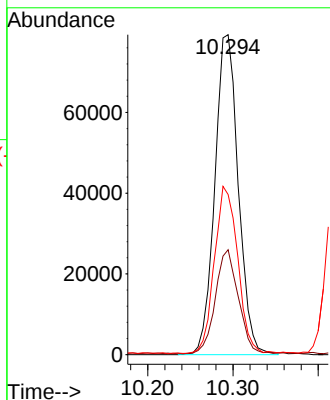
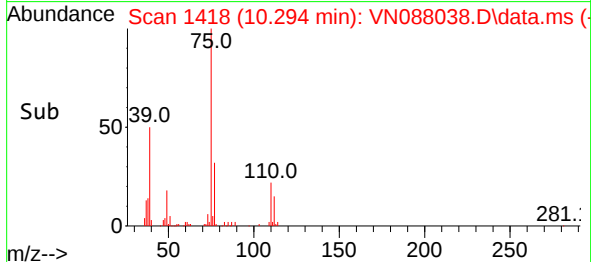
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01



Tgt Ion: 75 Resp: 151858
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.4
 39 49.5 37.4 56.0

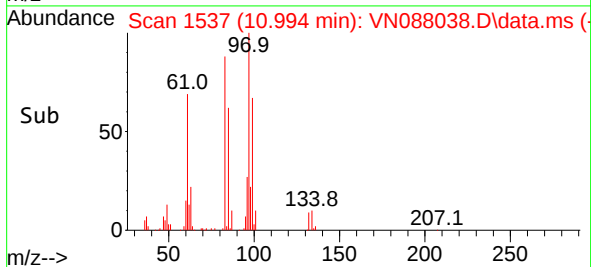
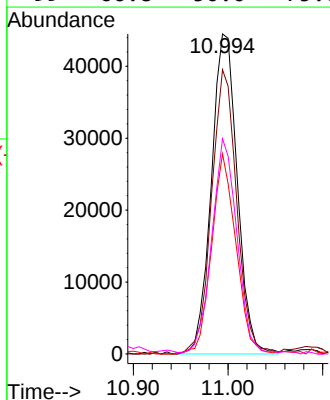
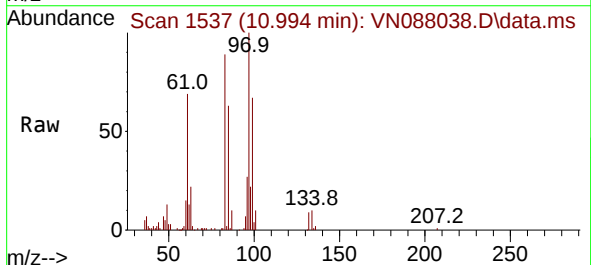
Manual Integrations
 APPROVED

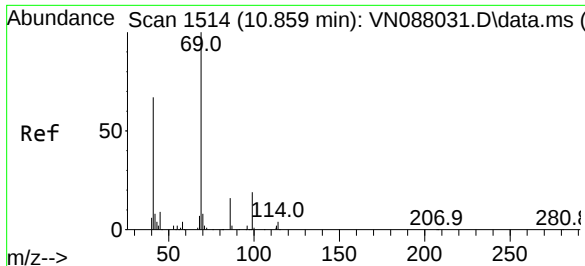
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#50
 1,1,2-Trichloroethane
 Concen: 19.461 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN088038.D
 Acq: 08 Oct 2025 13:59

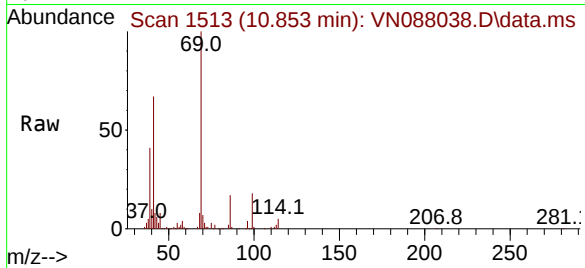
Tgt Ion: 97 Resp: 84761
 Ion Ratio Lower Upper
 97 100
 83 88.5 72.5 108.7
 85 62.6 45.5 68.3
 99 66.8 50.0 75.0





#51
Ethyl methacrylate
Concen: 19.537 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

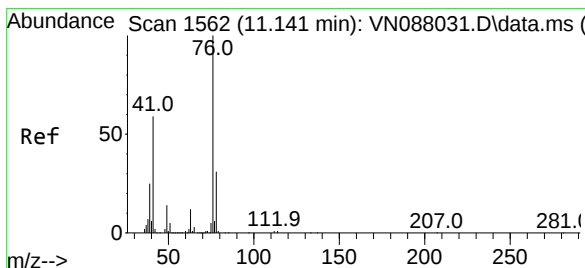
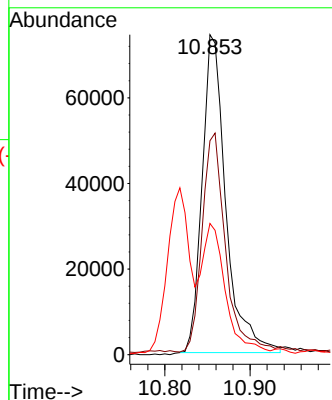
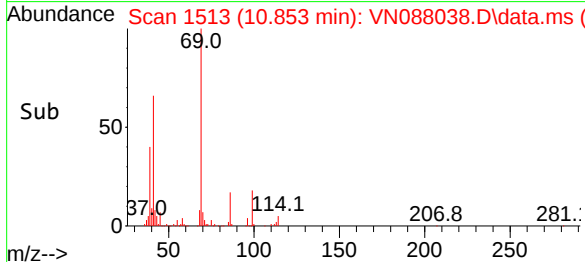
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 69 Resp: 144004
Ion Ratio Lower Upper
69 100
41 66.4 33.3 99.8
39 39.4 20.3 61.0

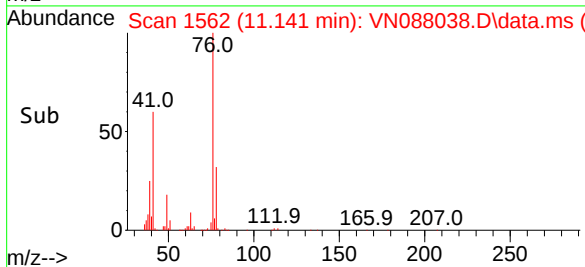
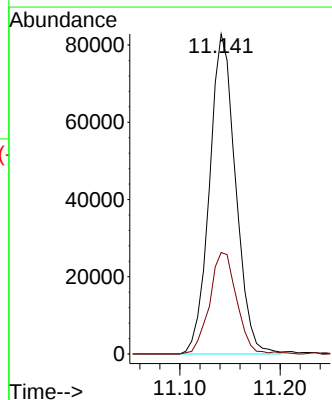
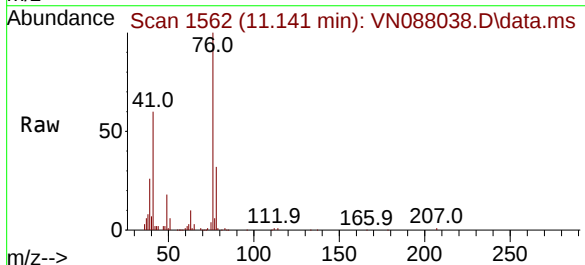
Manual Integrations
APPROVED

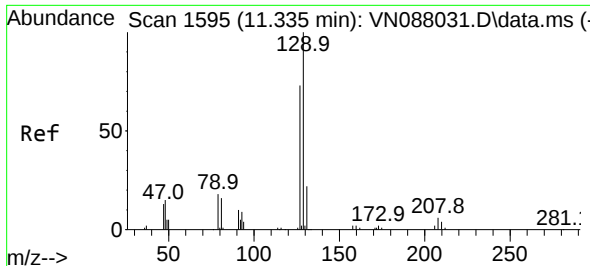
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
1,3-Dichloropropane
Concen: 19.750 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

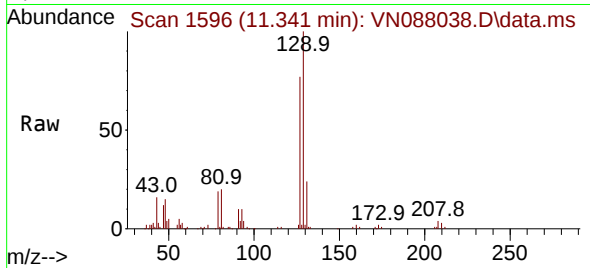
Tgt Ion: 76 Resp: 150076
Ion Ratio Lower Upper
76 100
78 32.6 0.0 65.0





#53
Dibromochloromethane
Concen: 19.557 ug/l
RT: 11.341 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

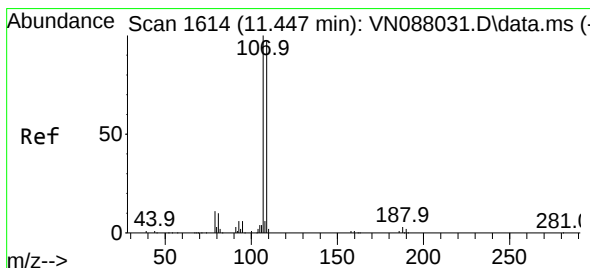
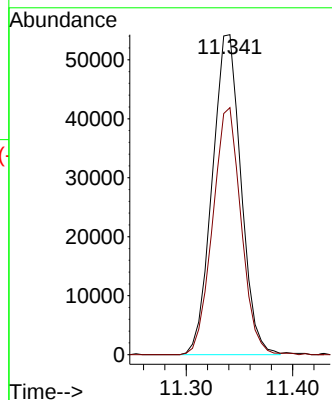
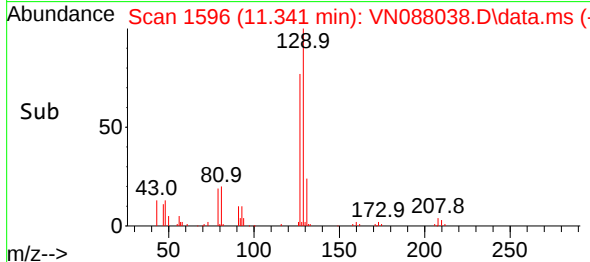
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



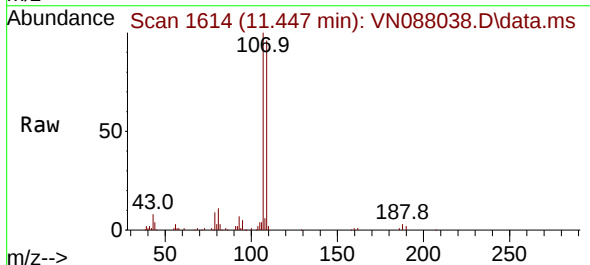
Tgt Ion:129 Resp: 101830
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3

Manual Integrations
APPROVED

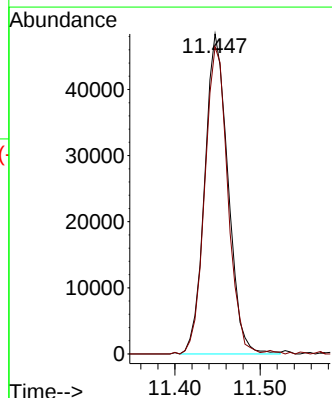
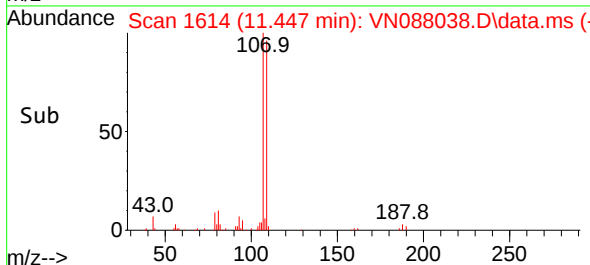
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

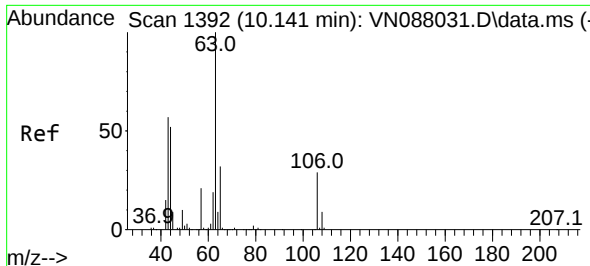


#54
1,2-Dibromoethane
Concen: 19.752 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



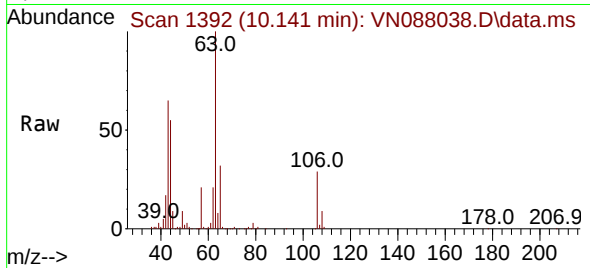
Tgt Ion:107 Resp: 91973
Ion Ratio Lower Upper
107 100
109 94.5 75.5 113.3





#55
2-Chloroethyl vinyl ether
Concen: 89.640 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

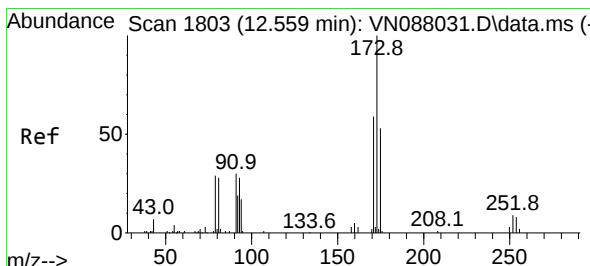
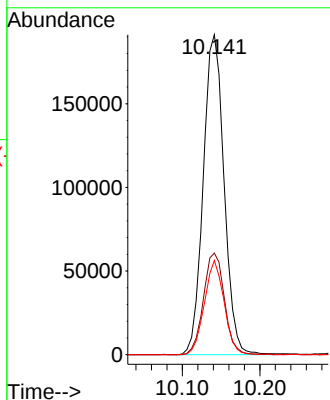
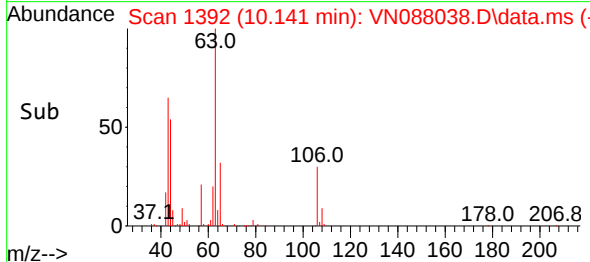
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 63 Resp: 35664
Ion Ratio Lower Upper
63 100
65 31.9 25.7 38.5
106 28.0 22.6 34.0

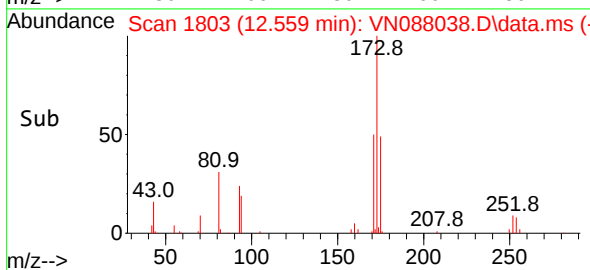
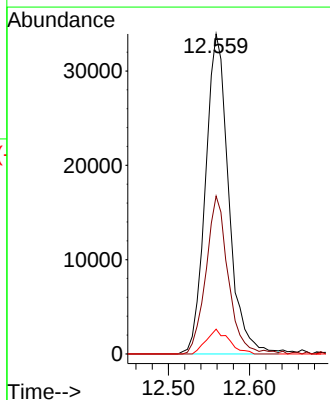
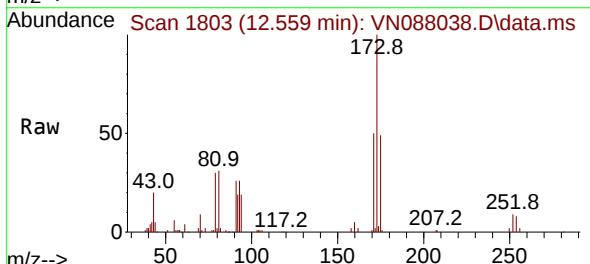
Manual Integrations
APPROVED

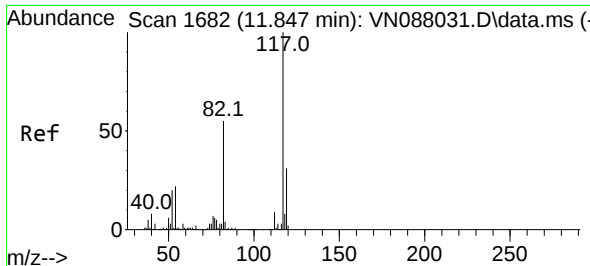
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
Bromoform
Concen: 19.110 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

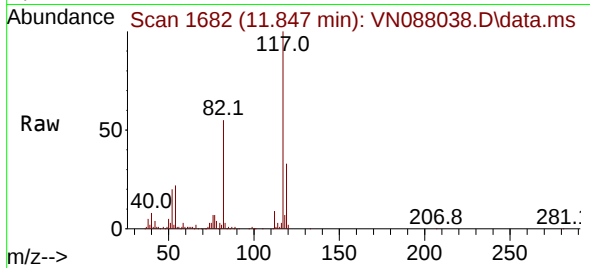
Tgt Ion:173 Resp: 67273
Ion Ratio Lower Upper
173 100
175 46.8 39.6 59.4
254 7.6 6.6 10.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

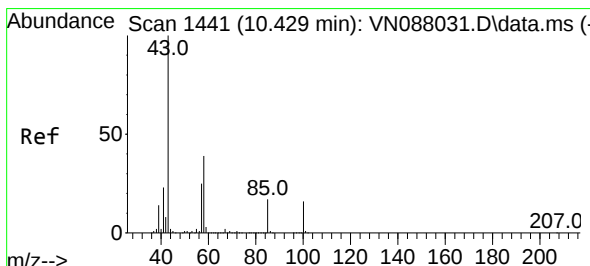
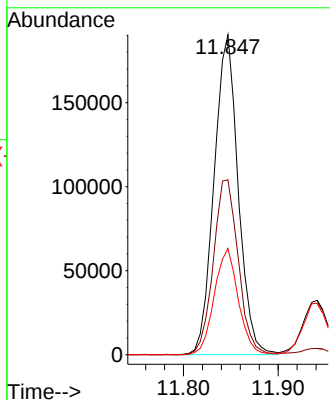
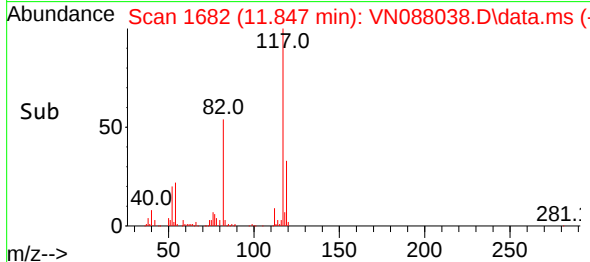
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion:117 Resp: 33737
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 33.1 25.9 38.9

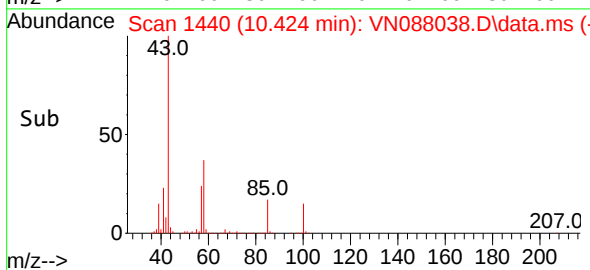
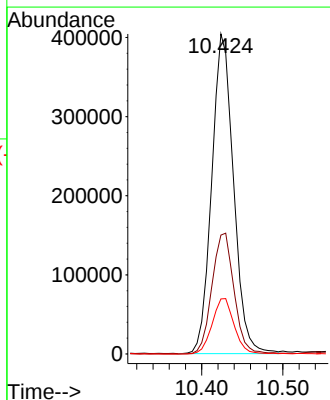
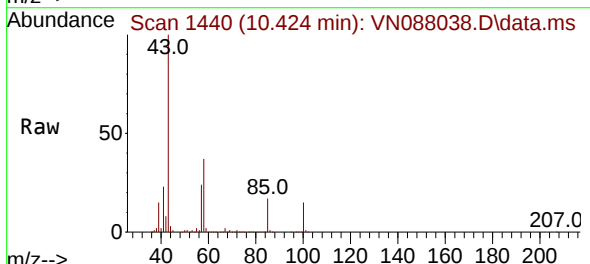
Manual Integrations
APPROVED

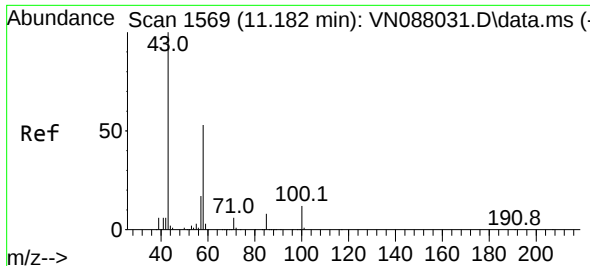
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
4-Methyl-2-Pentanone
Concen: 99.961 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

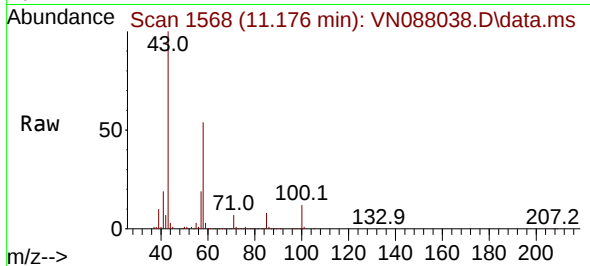
Tgt Ion: 43 Resp: 754327
Ion Ratio Lower Upper
43 100
58 38.6 31.2 46.8
85 17.4 13.7 20.5





#59
2-Hexanone
Concen: 98.088 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

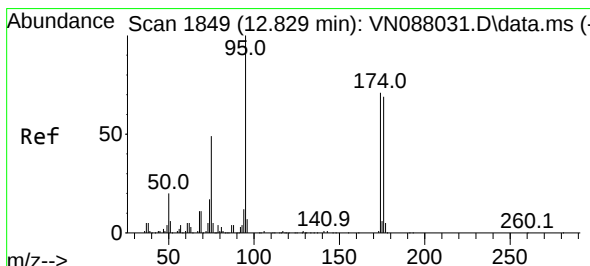
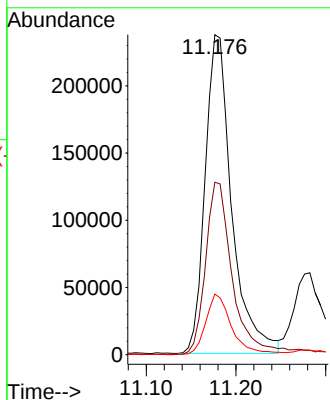
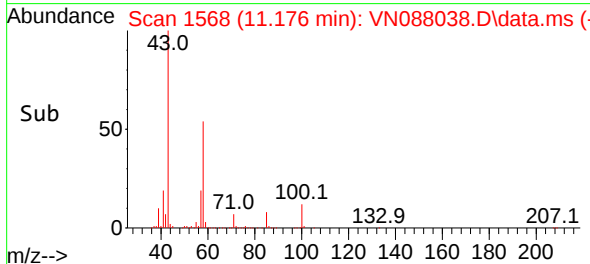
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 43 Resp: 488700
Ion Ratio Lower Upper
43 100
58 54.3 43.1 64.7
57 18.1 14.6 21.8

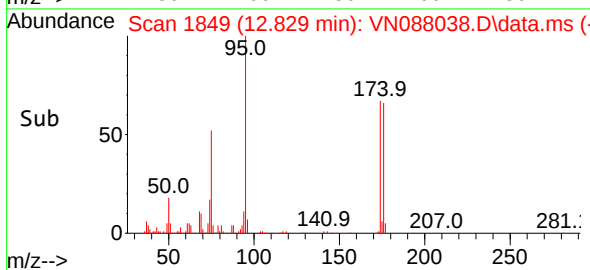
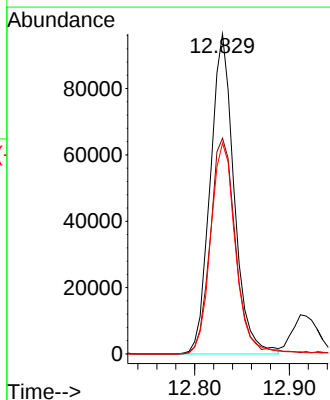
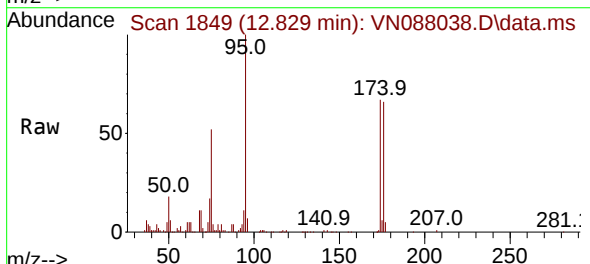
Manual Integrations
APPROVED

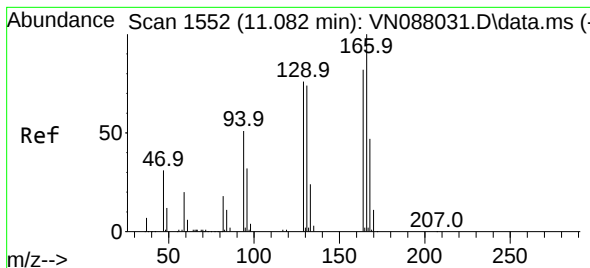
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
4-Bromofluorobenzene
Concen: 30.314 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion: 95 Resp: 168600
Ion Ratio Lower Upper
95 100
174 70.3 57.4 86.0
176 68.4 57.0 85.4





#61

Tetrachloroethene

Concen: 21.283 ug/l

RT: 11.088 min Scan# 1553

Delta R.T. 0.006 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tgt Ion:164 Resp: 7271

Ion Ratio Lower Upper

164 100

166 117.2 97.2 145.8

129 90.3 73.7 110.5

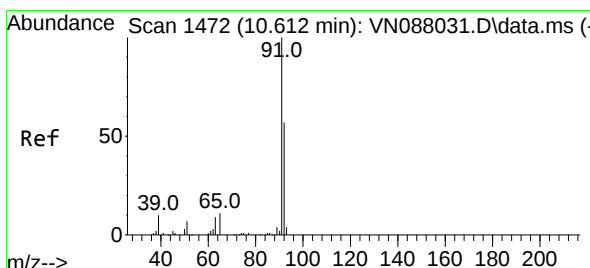
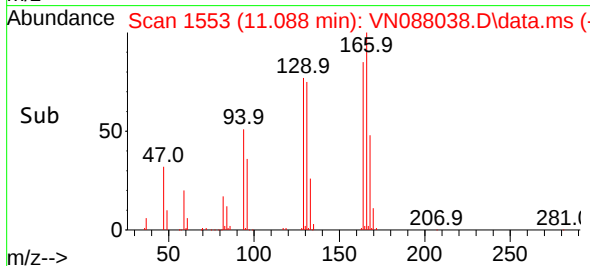
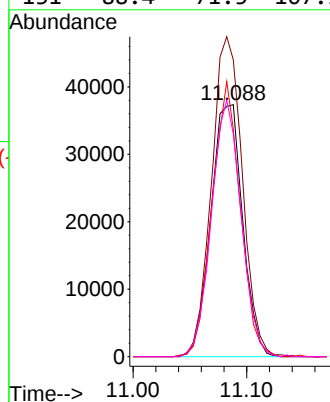
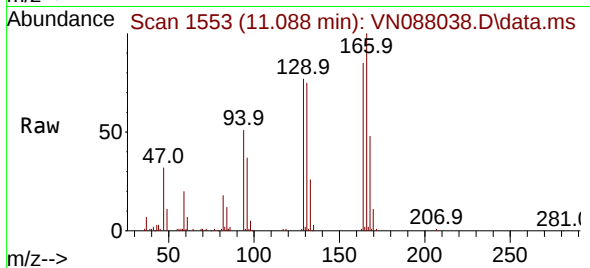
131 88.4 71.5 107.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#62

Toluene

Concen: 19.702 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VN088038.D

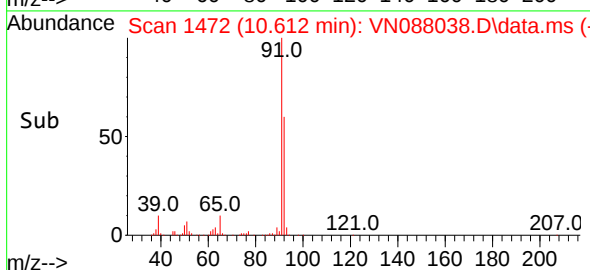
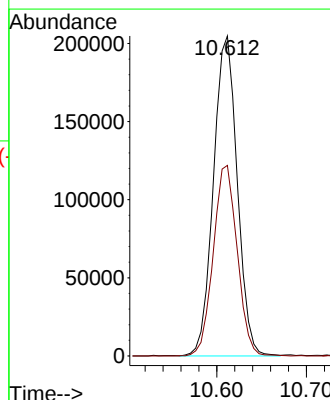
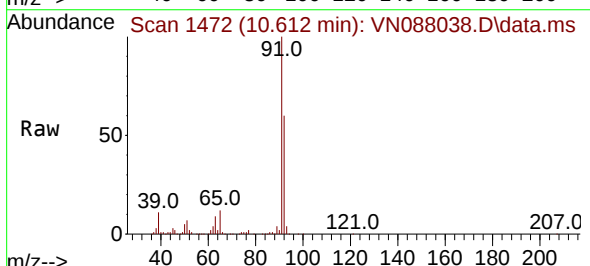
Acq: 08 Oct 2025 13:59

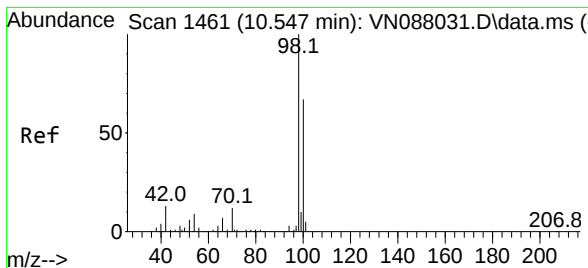
Tgt Ion: 91 Resp: 377038

Ion Ratio Lower Upper

91 100

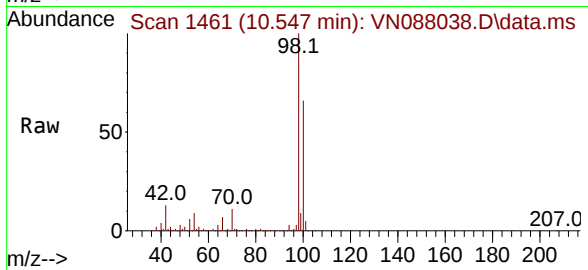
92 59.9 45.8 68.8





#63
Toluene-d8
Concen: 30.511 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

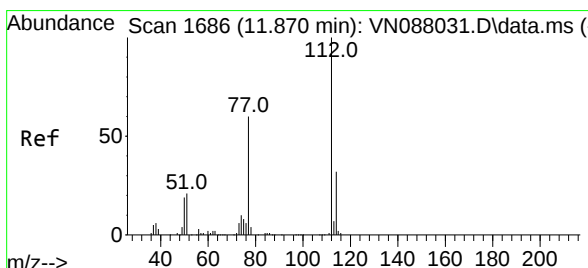
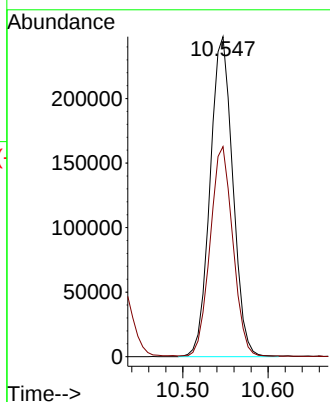
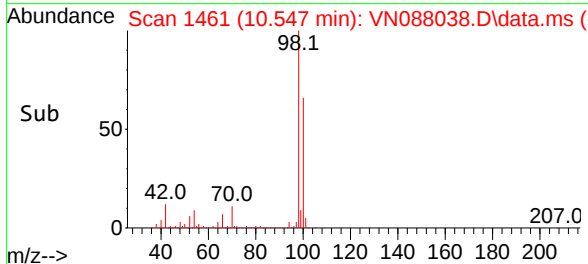
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 98 Resp: 458624
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7

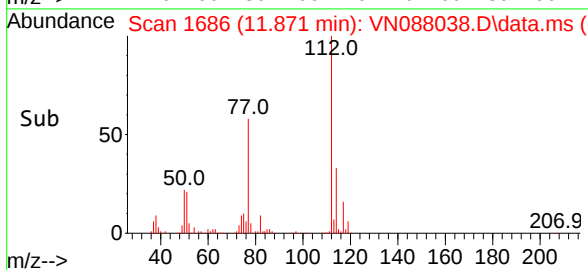
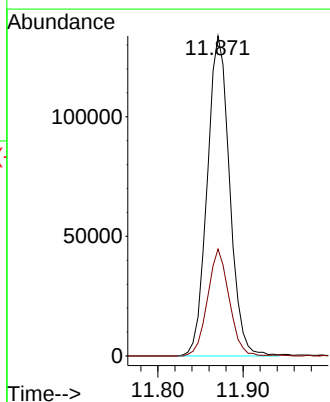
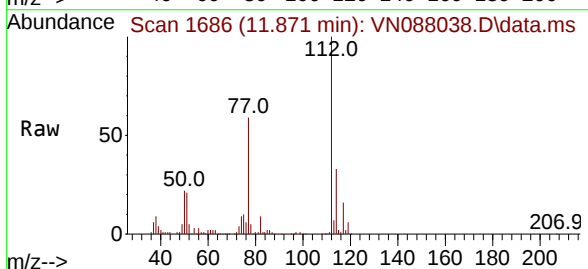
Manual Integrations
APPROVED

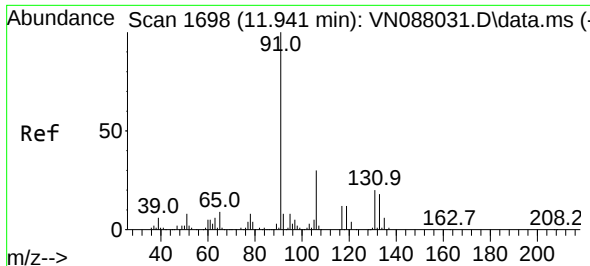
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#64
Chlorobenzene
Concen: 20.016 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion:112 Resp: 244660
Ion Ratio Lower Upper
112 100
114 33.4 25.7 38.5





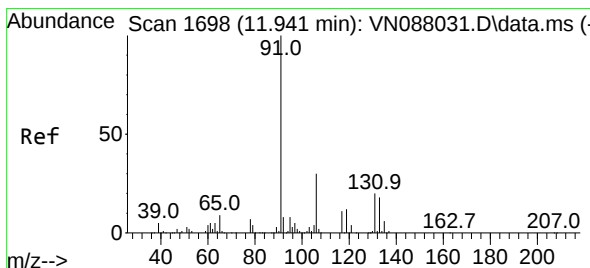
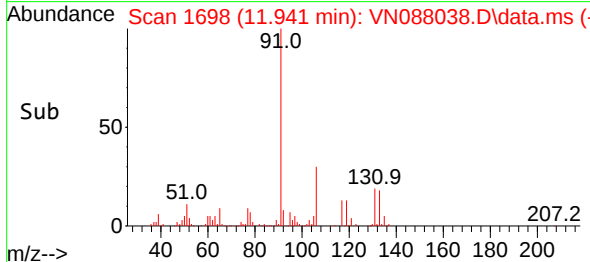
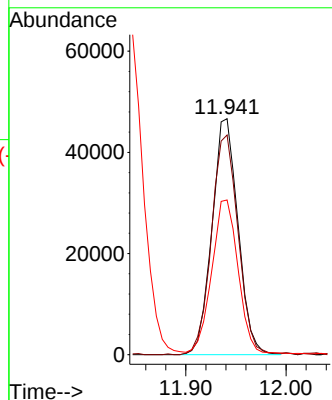
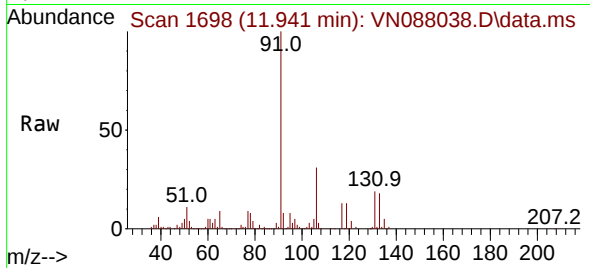
#65
1,1,1,2-Tetrachloroethane
Concen: 19.943 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tgt Ion:131 Resp: 84000
Ion Ratio Lower Upper
131 100
133 95.6 0.0 183.8
119 67.6 0.0 132.0

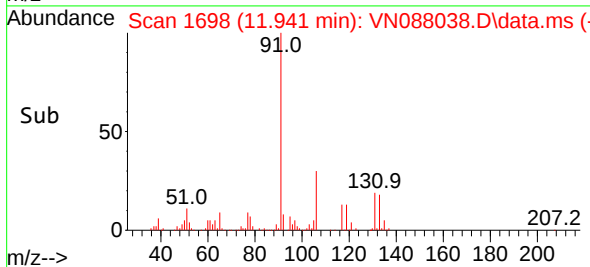
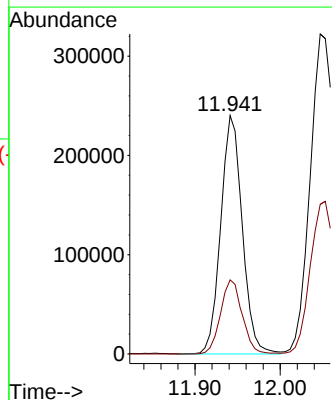
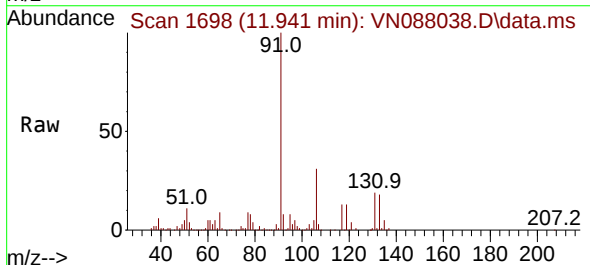
Manual Integrations
APPROVED

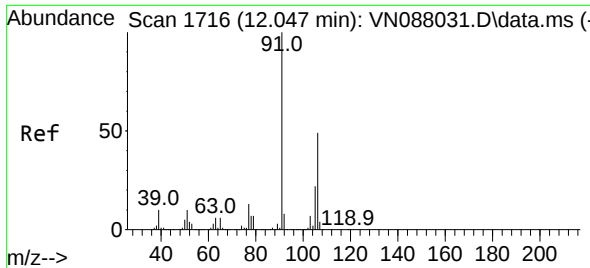
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Ethyl Benzene
Concen: 20.287 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion: 91 Resp: 422156
Ion Ratio Lower Upper
91 100
106 31.1 24.0 36.0





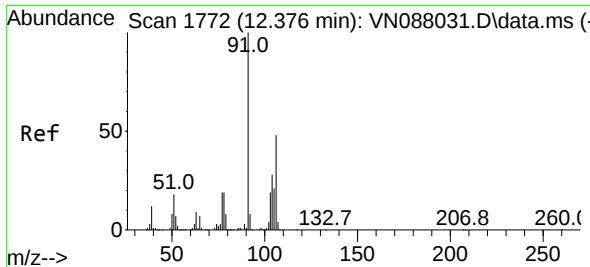
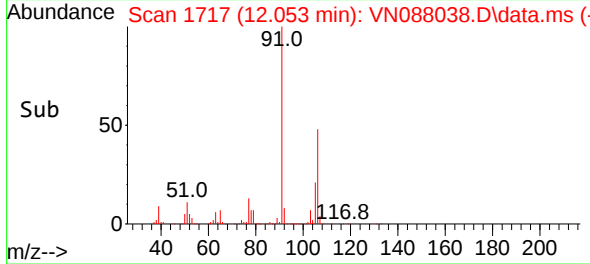
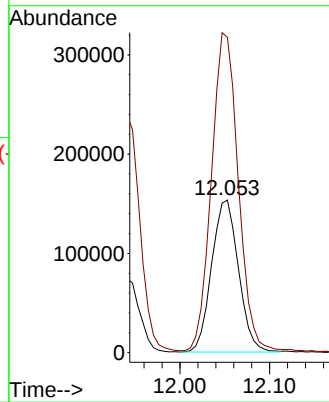
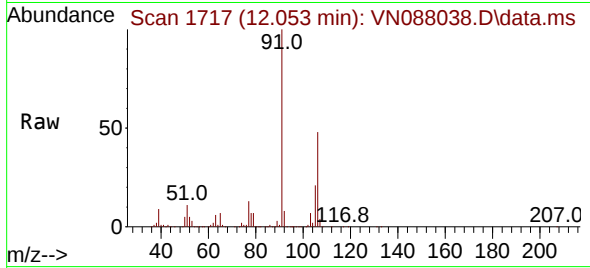
#67
m/p-Xylenes
Concen: 39.632 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tgt Ion:106 Resp: 317920
Ion Ratio Lower Upper
106 100
91 207.8 161.4 242.0

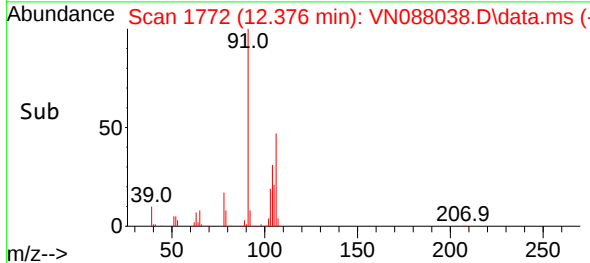
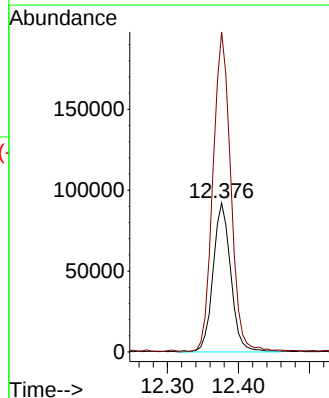
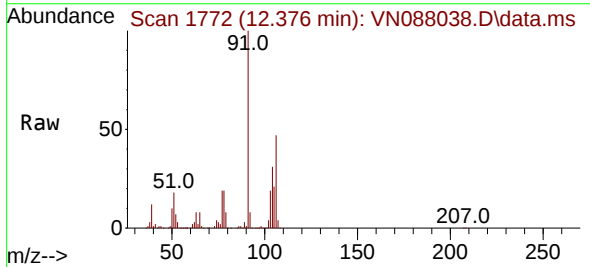
Manual Integrations
APPROVED

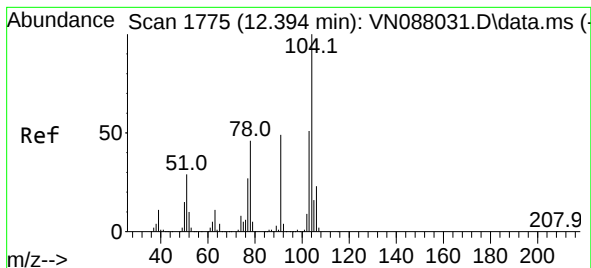
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
o-Xylene
Concen: 19.949 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion:106 Resp: 159310
Ion Ratio Lower Upper
106 100
91 214.0 105.2 315.6





#69

Styrene

Concen: 19.967 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

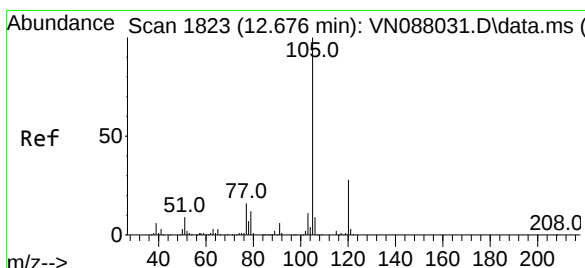
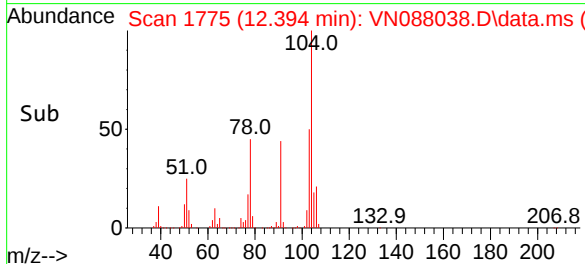
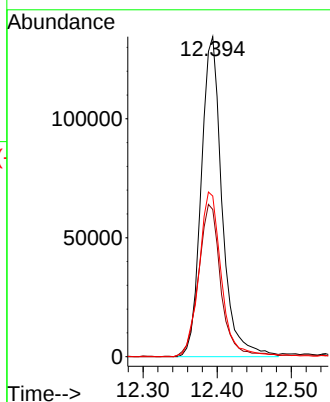
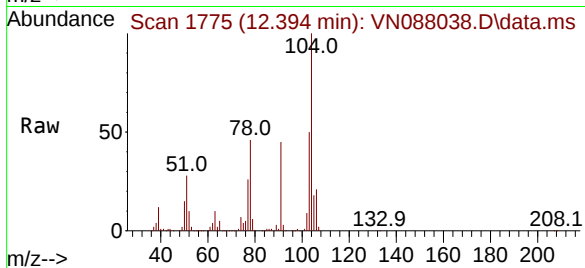
Tgt Ion:	104	Resp:	26376
Ion Ratio	Lower	Upper	
104	100		
78	50.9	41.8	62.6
103	55.3	44.9	67.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#70

Isopropylbenzene

Concen: 20.619 ug/l

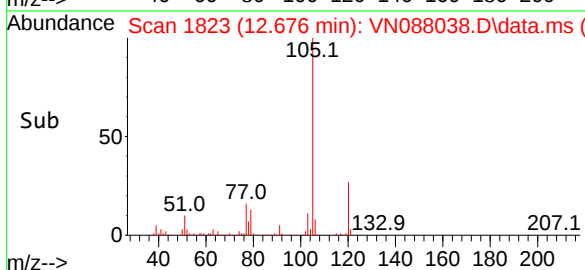
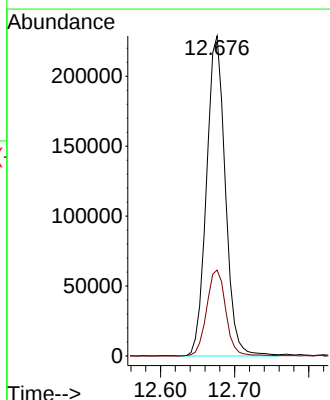
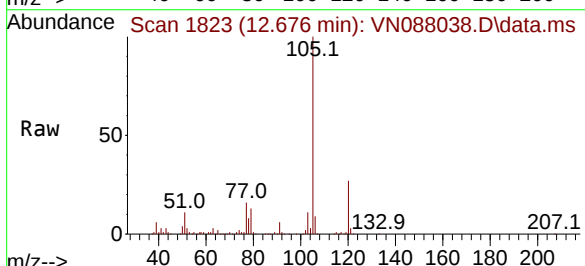
RT: 12.676 min Scan# 1823

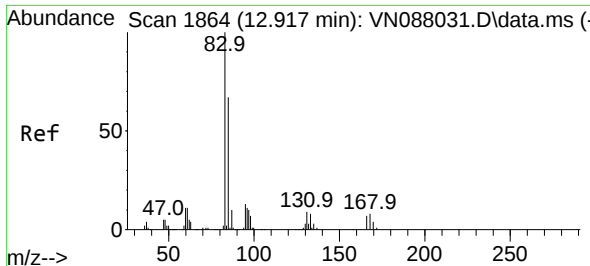
Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

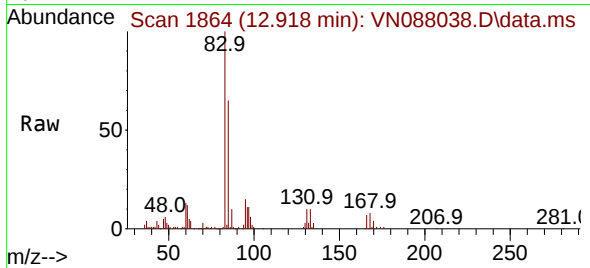
Tgt Ion:	105	Resp:	403558
Ion Ratio	Lower	Upper	
105	100		
120	27.1	19.1	35.5





#71
1,1,2,2-Tetrachloroethane
Concen: 20.023 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

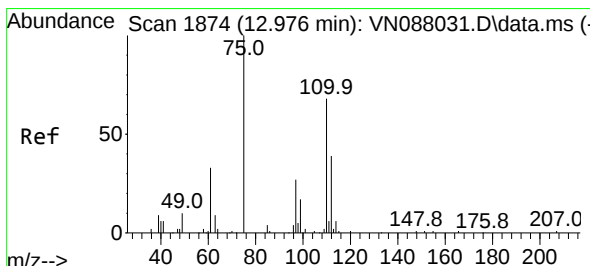
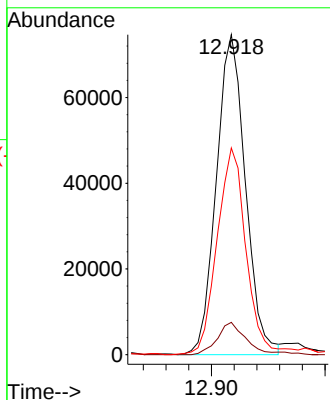
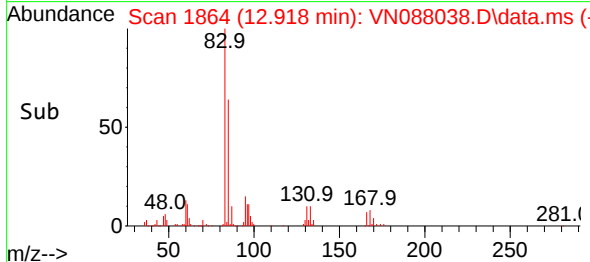
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



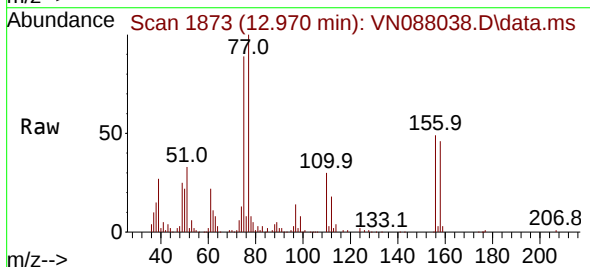
Tgt Ion: 83 Resp: 13286
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.3
85 63.6 32.4 97.2

Manual Integrations
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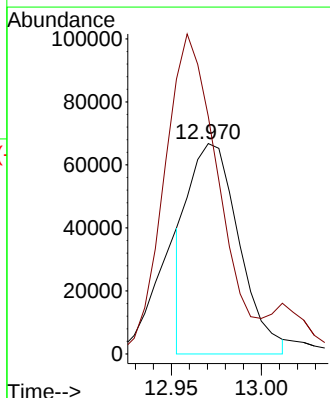
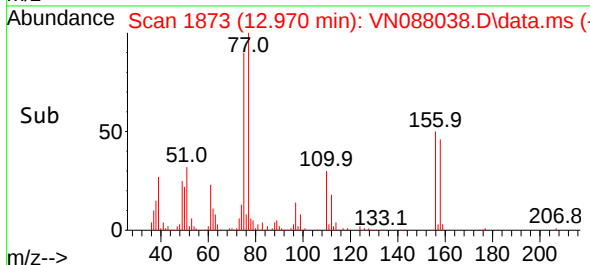
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

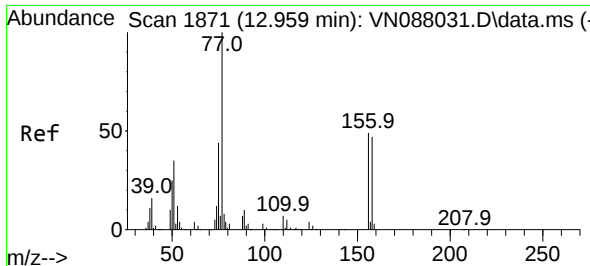


#72
1,2,3-Trichloropropane
Concen: 21.222 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



Tgt Ion: 75 Resp: 130784
Ion Ratio Lower Upper
75 100
77 161.8 0.0 364.0





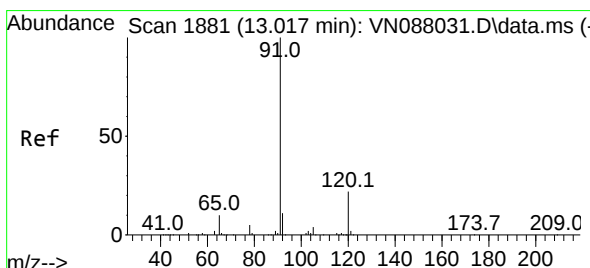
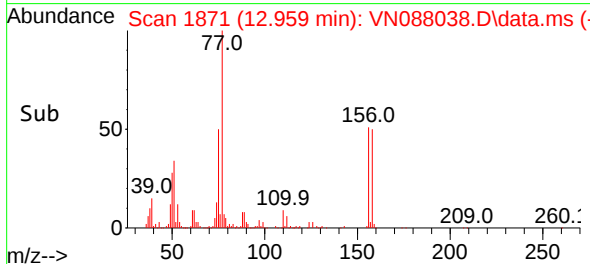
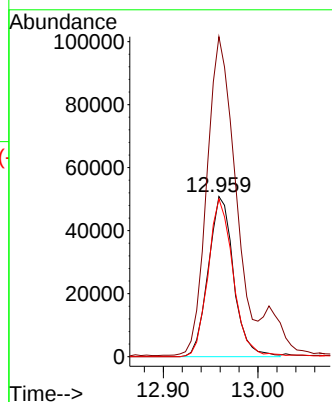
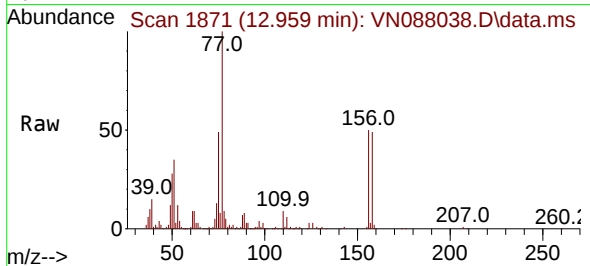
#73
Bromobenzene
Concen: 19.717 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tgt Ion:156 Resp: 94319
Ion Ratio Lower Upper
156 100
77 224.4 0.0 439.8
158 96.7 0.0 190.0

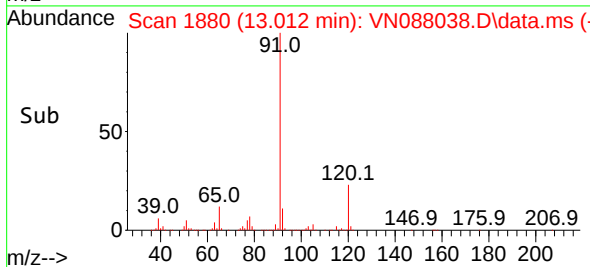
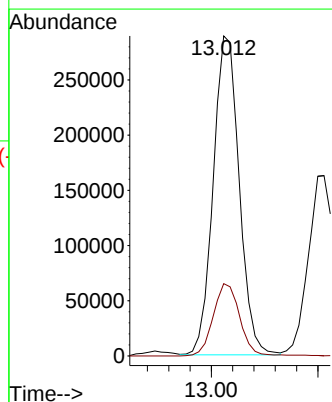
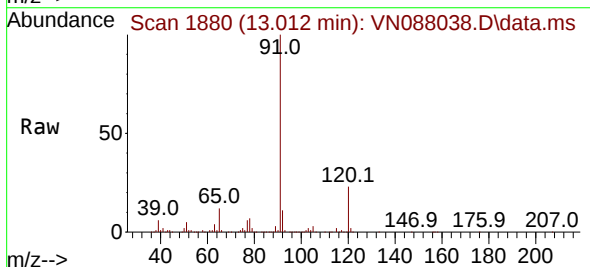
Manual Integrations
APPROVED

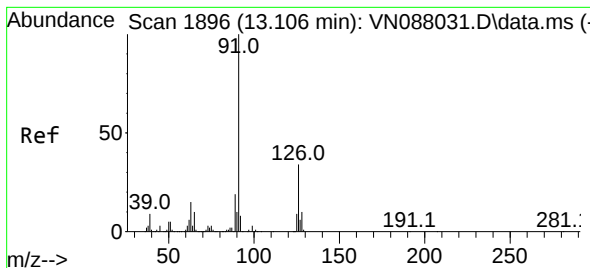
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
n-propylbenzene
Concen: 20.654 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

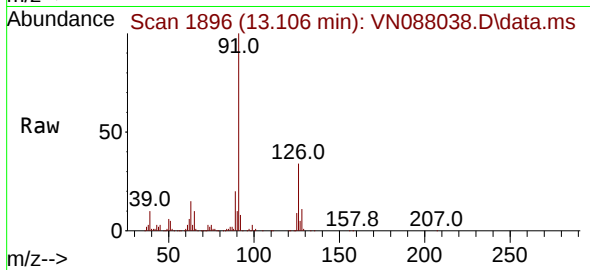
Tgt Ion: 91 Resp: 487994
Ion Ratio Lower Upper
91 100
120 23.1 0.0 46.2





#75
2-Chlorotoluene
Concen: 20.149 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

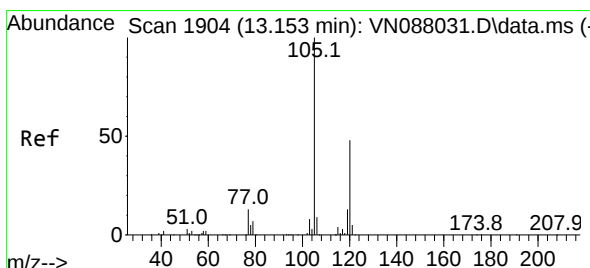
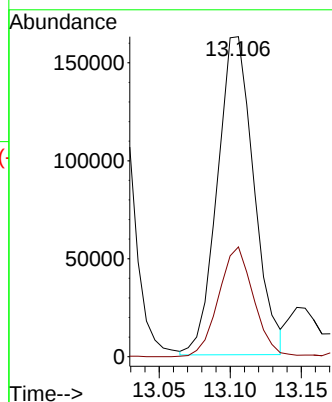
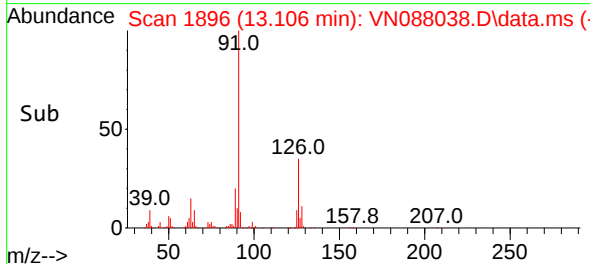
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



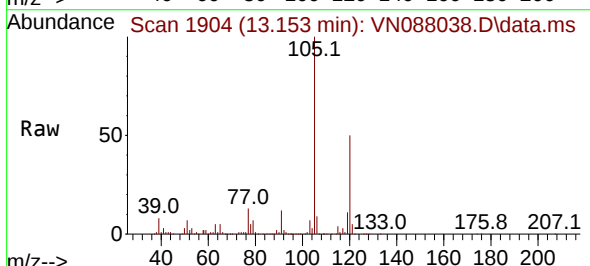
Tgt Ion: 91 Resp: 291080
Ion Ratio Lower Upper
91 100
126 33.0 0.0 66.6

Manual Integrations
APPROVED

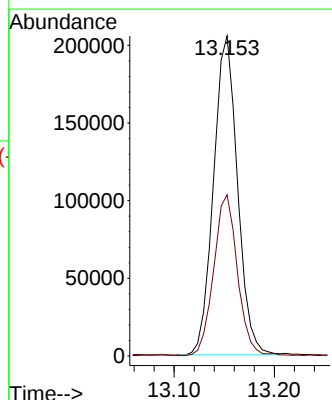
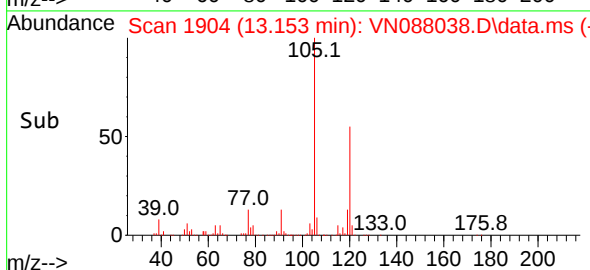
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

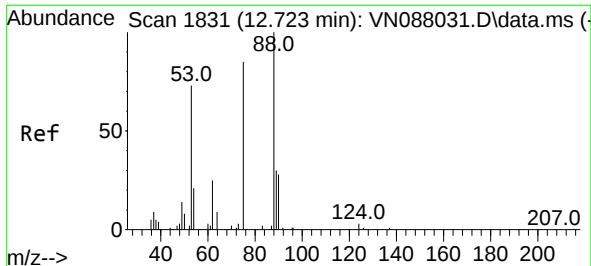


#76
1,3,5-Trimethylbenzene
Concen: 20.485 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



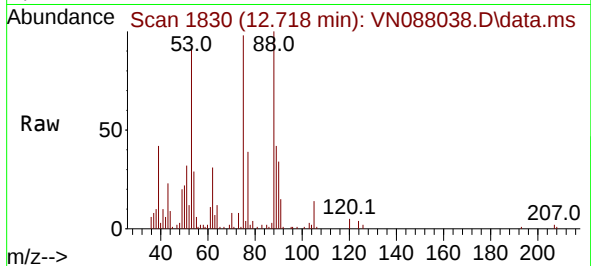
Tgt Ion:105 Resp: 340570
Ion Ratio Lower Upper
105 100
120 49.6 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 18.755 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

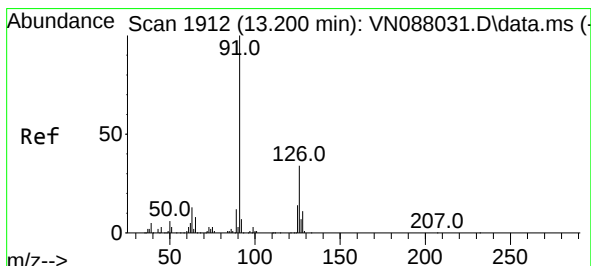
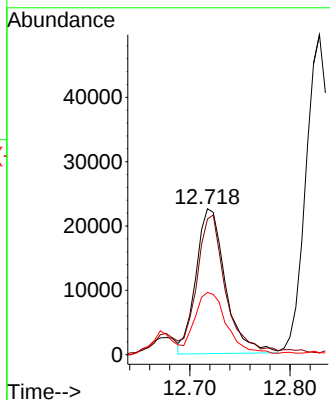
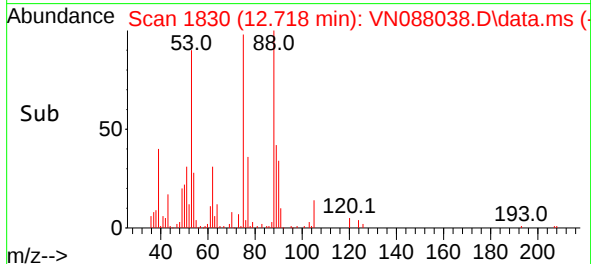
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 75 Resp: 46060
Ion Ratio Lower Upper
75 100
53 92.4 41.8 125.3
89 42.7 19.9 59.6

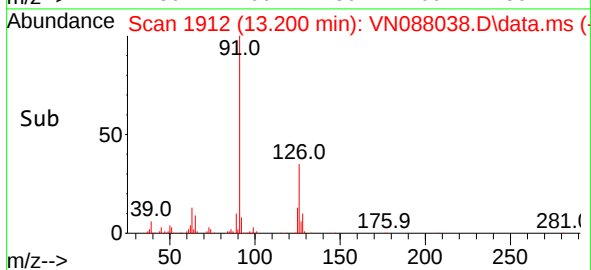
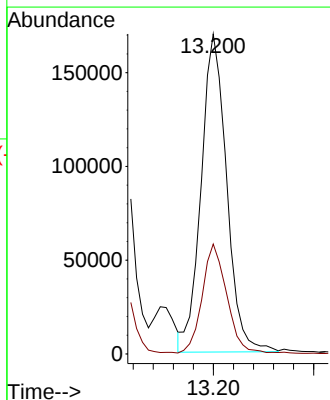
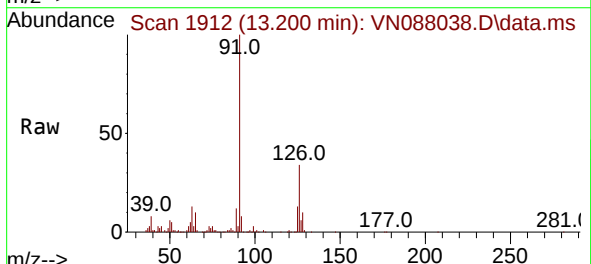
Manual Integrations
APPROVED

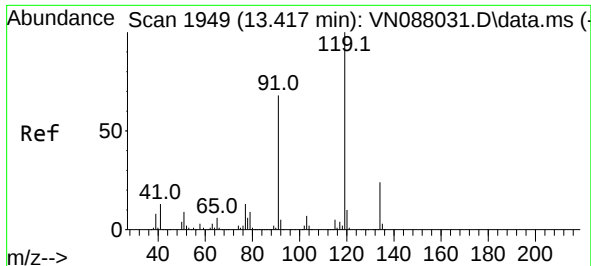
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
4-Chlorotoluene
Concen: 20.488 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion: 91 Resp: 300719
Ion Ratio Lower Upper
91 100
126 32.5 0.0 68.8





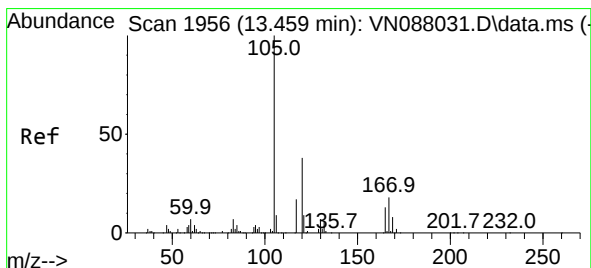
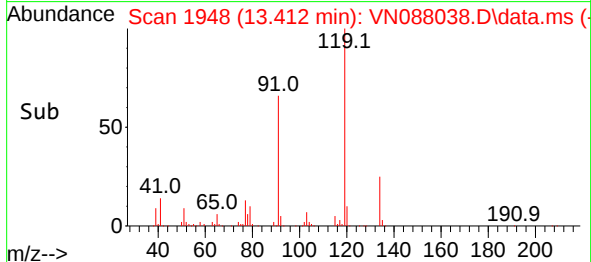
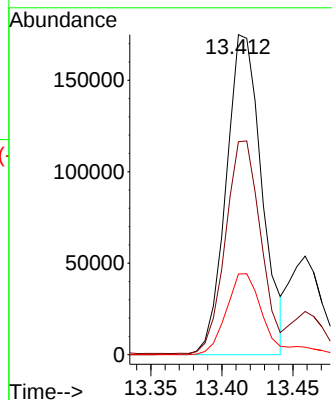
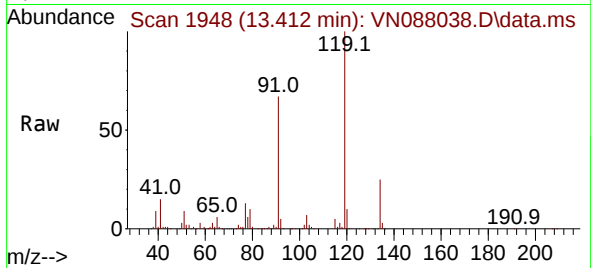
#79
tert-butylbenzene
Concen: 21.201 ug/l
RT: 13.412 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tgt Ion:119 Resp: 30555
Ion Ratio Lower Upper
119 100
91 65.4 0.0 132.4
134 25.0 0.0 48.6

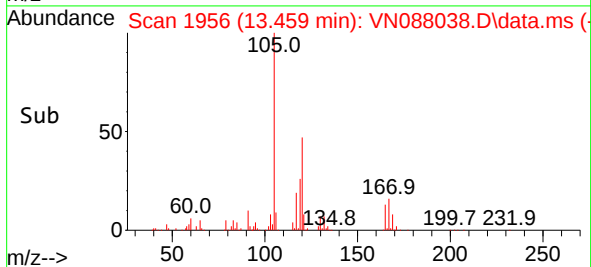
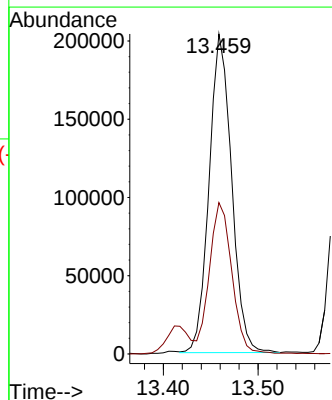
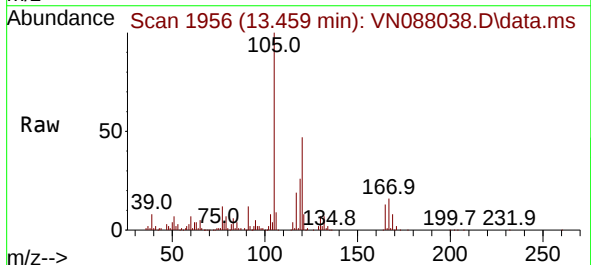
Manual Integrations
APPROVED

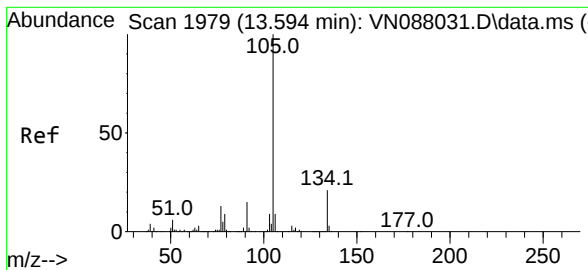
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#80
1,2,4-Trimethylbenzene
Concen: 20.184 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion:105 Resp: 335940
Ion Ratio Lower Upper
105 100
120 46.4 0.0 93.8





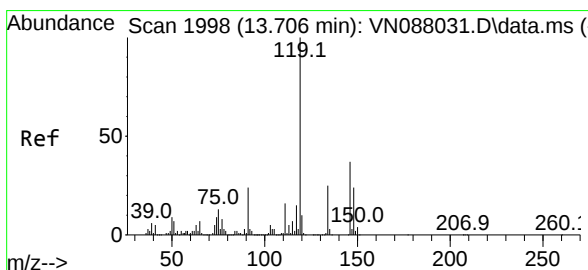
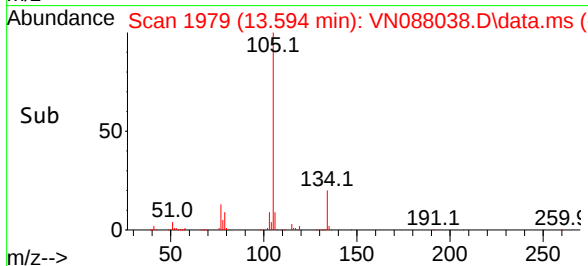
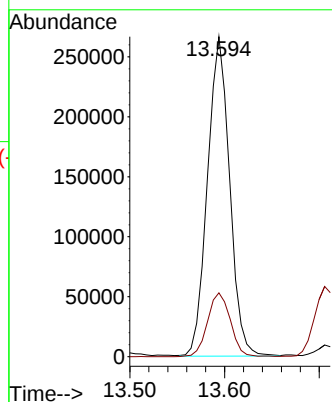
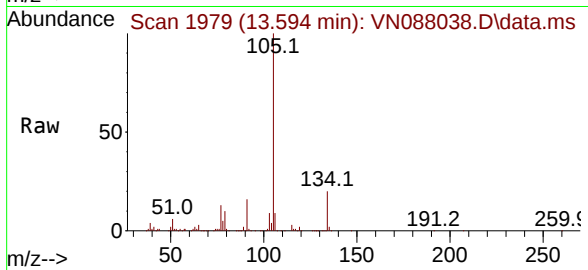
#81
 sec-Butylbenzene
 Concen: 21.371 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088038.D
 Acq: 08 Oct 2025 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tgt Ion:105 Resp: 433069
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 41.2

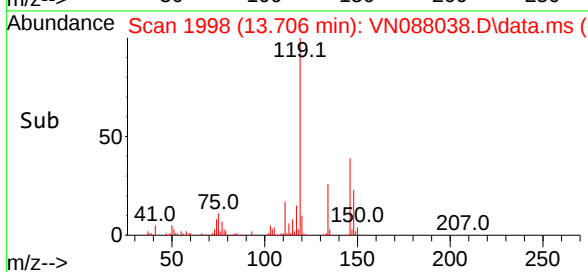
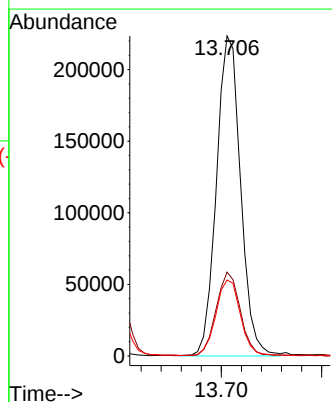
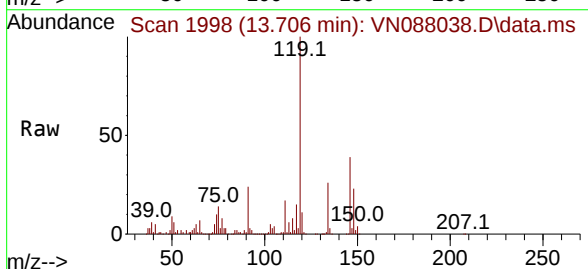
Manual Integrations
 APPROVED

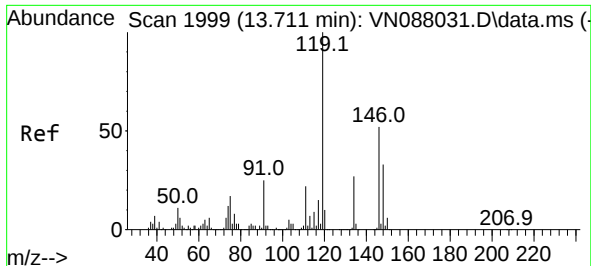
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#82
 p-Isopropyltoluene
 Concen: 21.603 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088038.D
 Acq: 08 Oct 2025 13:59

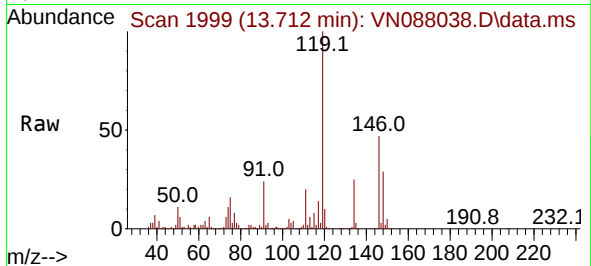
Tgt Ion:119 Resp: 373742
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.6
 91 23.9 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 20.193 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

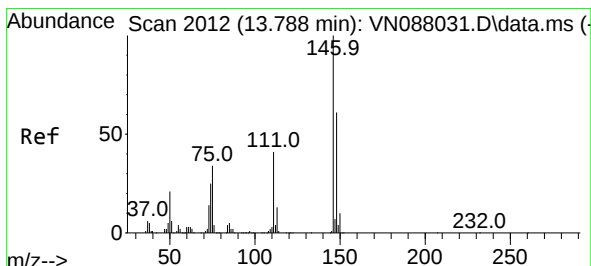
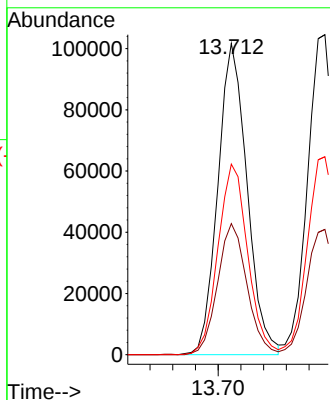
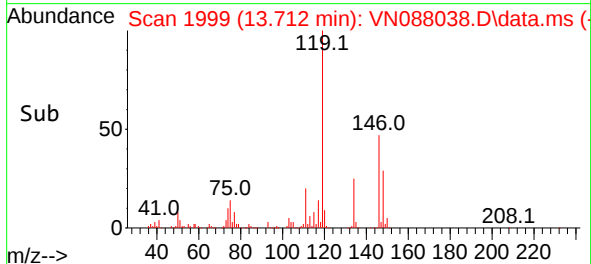
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



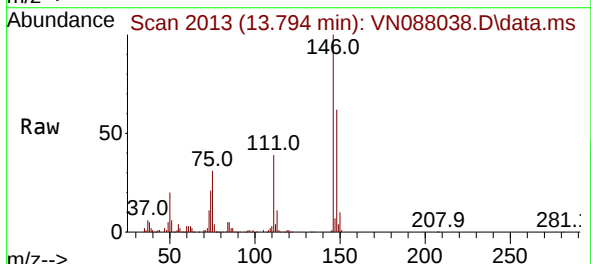
Tgt Ion:146 Resp: 181749
Ion Ratio Lower Upper
146 100
111 42.4 21.1 63.1
148 62.3 31.5 94.5

Manual Integrations
APPROVED

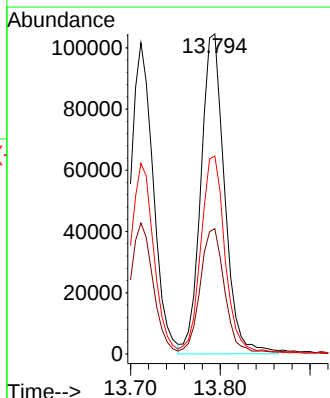
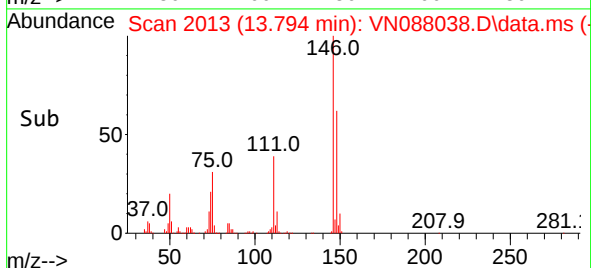
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

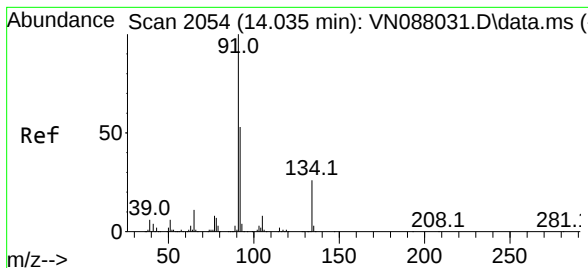


#84
1,4-Dichlorobenzene
Concen: 20.684 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



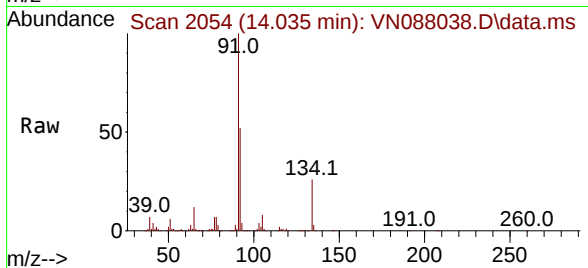
Tgt Ion:146 Resp: 192001
Ion Ratio Lower Upper
146 100
111 40.1 20.5 61.6
148 63.7 31.9 95.9





#85
n-Butylbenzene
Concen: 21.172 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

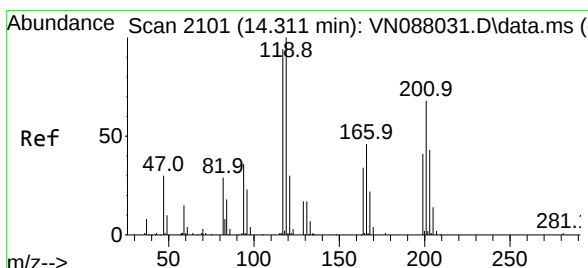
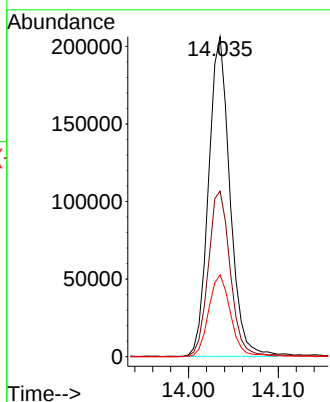
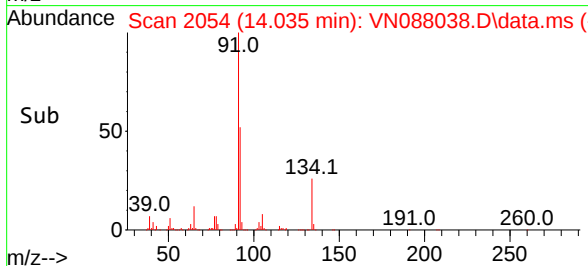
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion: 91 Resp: 340770
Ion Ratio Lower Upper
91 100
92 53.1 0.0 107.6
134 26.3 0.0 52.6

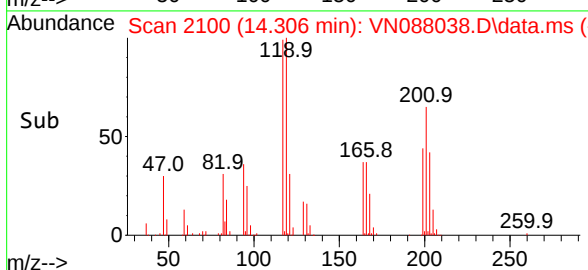
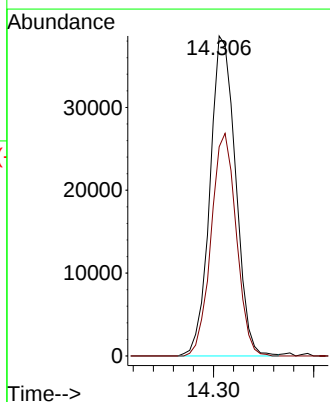
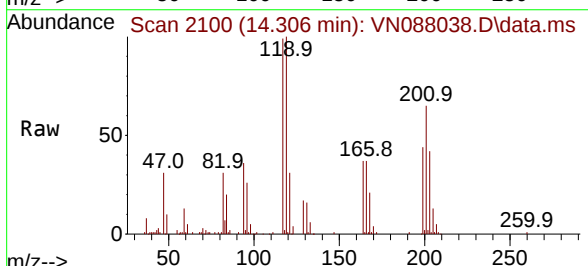
Manual Integrations
APPROVED

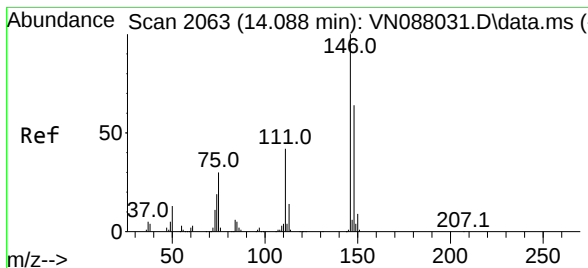
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#86
Hexachloroethane
Concen: 19.755 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

Tgt Ion:117 Resp: 68466
Ion Ratio Lower Upper
117 100
201 68.2 34.8 104.3





#87

1,2-Dichlorobenzene

Concen: 20.210 ug/l

RT: 14.088 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

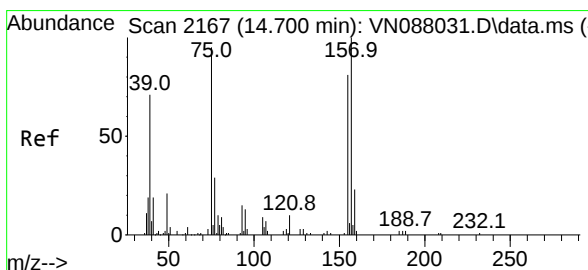
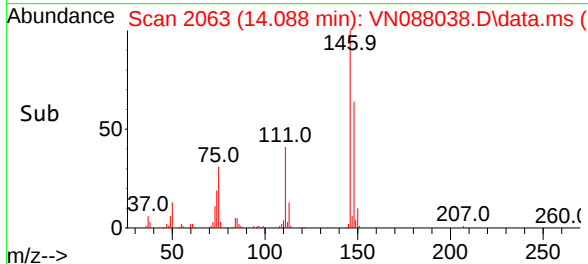
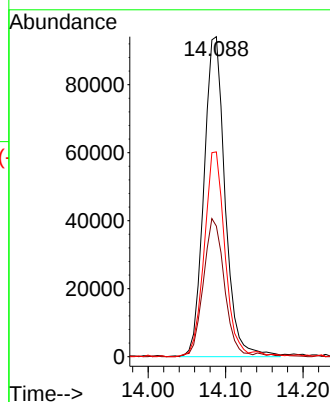
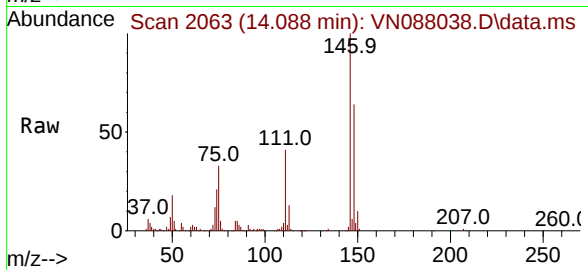
Tgt Ion:	146	Resp:	17892
Ion Ratio	Lower	Upper	
146	100		
111	42.6	22.3	66.8
148	62.1	31.4	94.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.736 ug/l

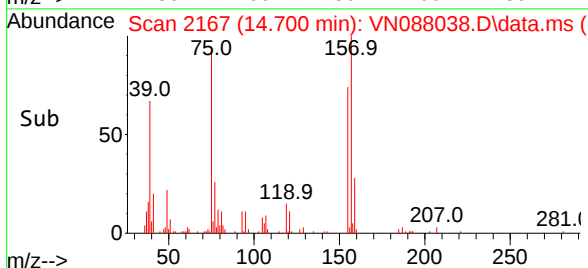
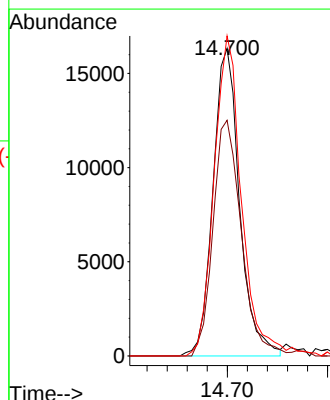
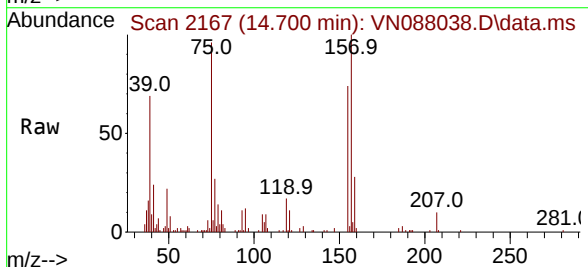
RT: 14.700 min Scan# 2167

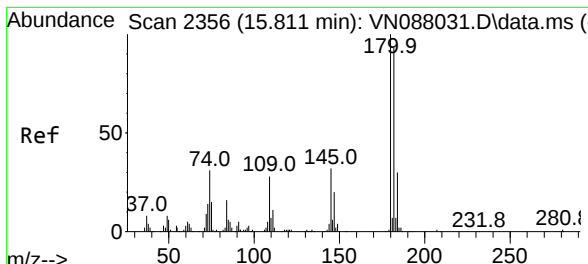
Delta R.T. 0.000 min

Lab File: VN088038.D

Acq: 08 Oct 2025 13:59

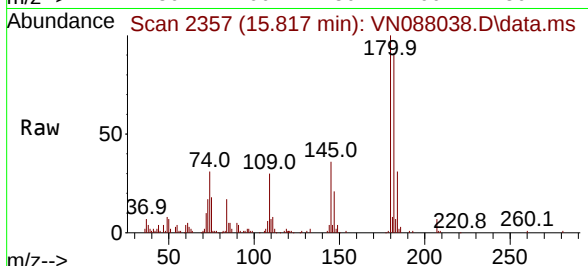
Tgt Ion:	75	Resp:	30078
Ion Ratio	Lower	Upper	
75	100		
155	81.6	63.5	95.3
157	108.4	81.7	122.5





#89
1,2,4-Trichlorobenzene
Concen: 19.887 ug/l
RT: 15.817 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

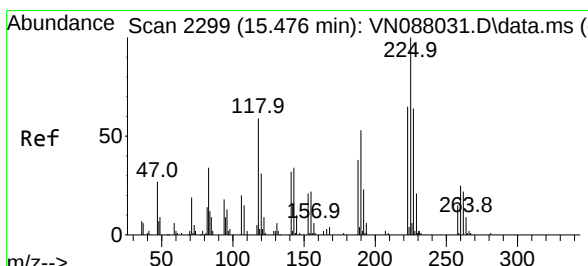
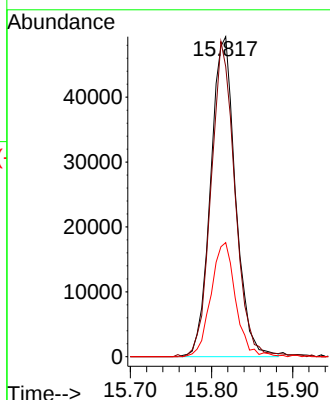
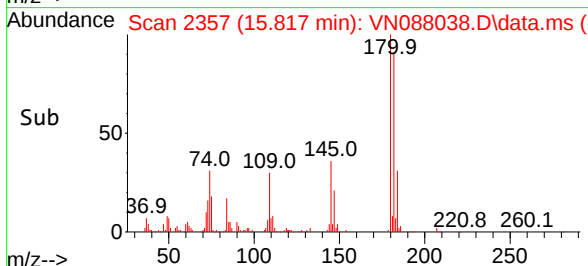
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



Tgt Ion:180 Resp: 104869
Ion Ratio Lower Upper
180 100
182 94.8 74.6 112.0
145 34.9 27.2 40.8

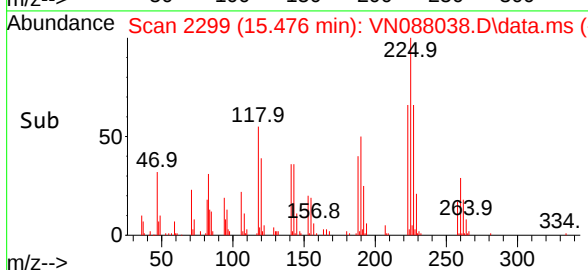
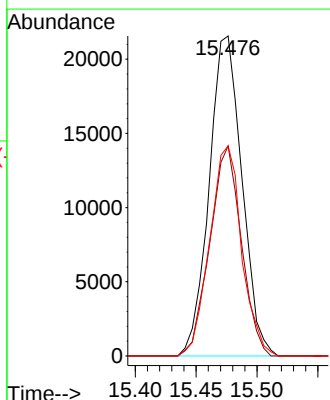
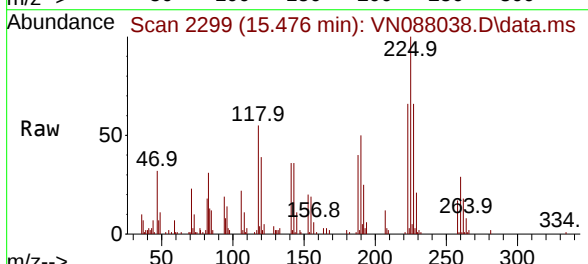
Manual Integrations
APPROVED

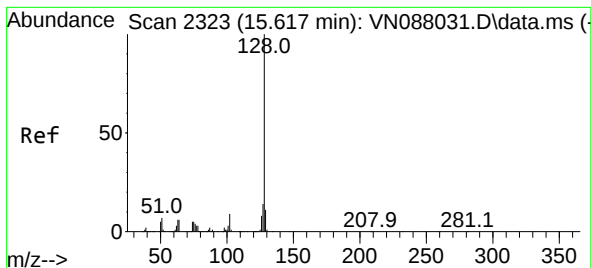
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#90
Hexachlorobutadiene
Concen: 22.004 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

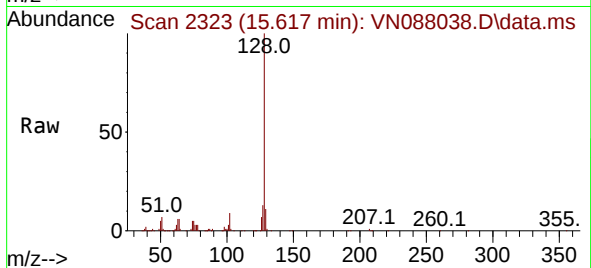
Tgt Ion:225 Resp: 40385
Ion Ratio Lower Upper
225 100
223 62.9 0.0 129.6
227 64.0 0.0 132.2





#91
Naphthalene
Concen: 20.034 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59

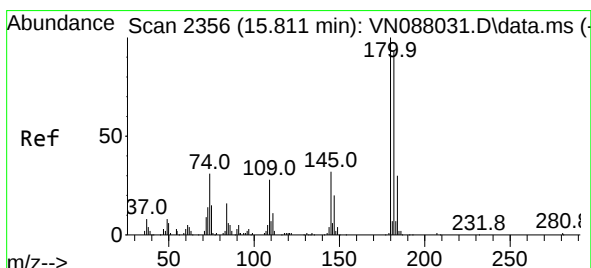
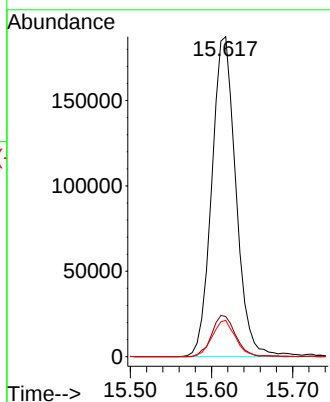
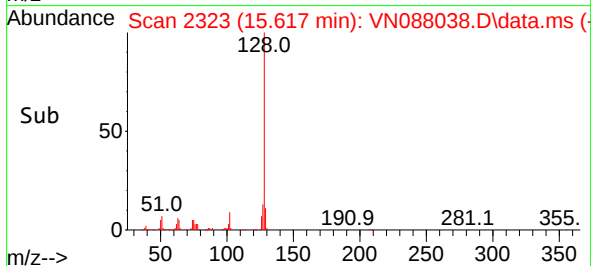
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01



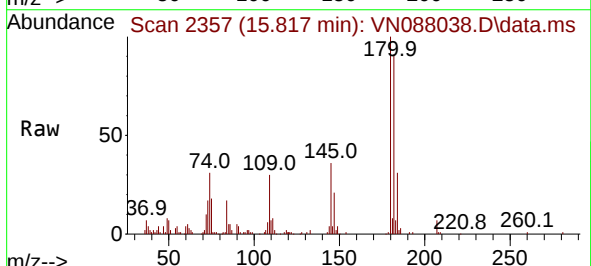
Tgt Ion:128 Resp: 38678
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.1 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#92
1,2,3-Trichlorobenzene
Concen: 19.887 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN088038.D
Acq: 08 Oct 2025 13:59



Tgt Ion:180 Resp: 104869
Ion Ratio Lower Upper
180 100
182 94.8 0.0 186.6
145 34.9 0.0 68.0

