

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087851.D
 Acq On : 16 Sep 2025 15:46
 Operator : JC\MD
 Sample : VN0916WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	229272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	433869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	392898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	209579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204194	43.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.940%		
35) Dibromofluoromethane	8.147	113	152219	48.593	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.180%		
50) Toluene-d8	10.547	98	534604	45.597	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.200%		
62) 4-Bromofluorobenzene	12.829	95	193287	46.356	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	61714	18.952	ug/l	99
3) Chloromethane	2.383	50	61485	18.373	ug/l	96
4) Vinyl Chloride	2.536	62	71328	18.383	ug/l	90
5) Bromomethane	2.983	94	39000	19.480	ug/l	87
6) Chloroethane	3.136	64	46084	16.899	ug/l	94
7) Trichlorofluoromethane	3.512	101	111716	19.652	ug/l	96
8) Diethyl Ether	3.959	74	40444	16.336	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	59552	18.514	ug/l	97
10) Methyl Iodide	4.577	142	35235	19.471	ug/l	97
11) Tert butyl alcohol	5.524	59	75759	92.898	ug/l	95
12) 1,1-Dichloroethene	4.330	96	58163	17.596	ug/l	90
13) Acrolein	4.177	56	74339	74.149	ug/l	100
14) Allyl chloride	5.012	41	90094	15.040	ug/l	93
15) Acrylonitrile	5.706	53	204541	88.934	ug/l	97
16) Acetone	4.424	43	183819	71.883	ug/l	96
17) Carbon Disulfide	4.706	76	170001	18.681	ug/l	100
18) Methyl Acetate	5.018	43	99443	18.573	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	210306	16.960	ug/l	98
20) Methylene Chloride	5.265	84	70838	18.366	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	63180	17.636	ug/l	90
22) Diisopropyl ether	6.659	45	220735	17.076	ug/l	95
23) Vinyl Acetate	6.589	43	882321	75.024	ug/l	99
24) 1,1-Dichloroethane	6.553	63	123788	17.466	ug/l	97
25) 2-Butanone	7.471	43	283126	84.156	ug/l	100
26) 2,2-Dichloropropane	7.471	77	101171	16.632	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	77871	18.182	ug/l	98
28) Bromochloromethane	7.794	49	59450	17.350	ug/l	90
29) Tetrahydrofuran	7.824	42	179559	82.933	ug/l	97
30) Chloroform	7.947	83	129921	17.959	ug/l	98
31) Cyclohexane	8.236	56	107126	18.131	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	110851	18.081	ug/l	98
36) 1,1-Dichloropropene	8.353	75	86206	17.938	ug/l	98
37) Ethyl Acetate	7.542	43	108447	16.514	ug/l #	94
38) Carbon Tetrachloride	8.341	117	93570	19.721	ug/l	91
39) Methylcyclohexane	9.583	83	97980	18.519	ug/l	96
40) Benzene	8.588	78	278225	18.876	ug/l	96

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	59964	17.628	ug/l	98
42) 1,2-Dichloroethane	8.653	62	101742	17.962	ug/l	99
43) Isopropyl Acetate	8.677	43	179617	17.519	ug/l	97
44) Trichloroethene	9.335	130	66656	19.807	ug/l	97
45) 1,2-Dichloropropane	9.606	63	71366	18.369	ug/l	97
46) Dibromomethane	9.688	93	53658	19.408	ug/l	96
47) Bromodichloromethane	9.871	83	108569	19.160	ug/l #	94
48) Methyl methacrylate	9.665	41	82168	16.943	ug/l	98
49) 1,4-Dioxane	9.677	88	21945	349.128	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	569808	92.115	ug/l	100
52) Toluene	10.612	92	170728	18.684	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	107103	18.261	ug/l	95
54) cis-1,3-Dichloropropene	10.294	75	108830	17.870	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	71066	20.104	ug/l	92
56) Ethyl methacrylate	10.859	69	100359	17.765	ug/l	98
57) 1,3-Dichloropropane	11.141	76	119059	19.031	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.141	63	263312	86.115	ug/l	96
59) 2-Hexanone	11.177	43	349848	89.488	ug/l	99
60) Dibromochloromethane	11.335	129	78365	19.133	ug/l	100
61) 1,2-Dibromoethane	11.447	107	69424	18.625	ug/l	96
64) Tetrachloroethene	11.082	164	53603	19.664	ug/l	93
65) Chlorobenzene	11.871	112	185603	18.988	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	65603	20.216	ug/l	99
67) Ethyl Benzene	11.941	91	316873	18.723	ug/l	98
68) m/p-Xylenes	12.047	106	243049	39.158	ug/l	96
69) o-Xylene	12.376	106	118378	19.462	ug/l	96
70) Styrene	12.388	104	193858	19.023	ug/l	97
71) Bromoform	12.553	173	52426	21.065	ug/l #	98
73) Isopropylbenzene	12.671	105	294667	17.400	ug/l	99
74) N-amyl acetate	12.665	43	121778m	18.975	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	107892	18.504	ug/l	97
76) 1,2,3-Trichloropropane	12.971	75	86475m	17.595	ug/l	
77) Bromobenzene	12.959	156	75614	18.936	ug/l	93
78) n-propylbenzene	13.012	91	377345	18.089	ug/l	100
79) 2-Chlorotoluene	13.106	91	218388	17.397	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	255538	17.787	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	29446	15.861	ug/l	89
82) 4-Chlorotoluene	13.200	91	227013	17.200	ug/l	97
83) tert-Butylbenzene	13.412	119	221104	18.468	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	259126	18.018	ug/l	100
85) sec-Butylbenzene	13.594	105	326968	18.404	ug/l	99
86) p-Isopropyltoluene	13.706	119	276556	18.851	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	147792	18.795	ug/l	96
88) 1,4-Dichlorobenzene	13.788	146	148845	18.189	ug/l	98
89) n-Butylbenzene	14.035	91	257806	17.694	ug/l	99
90) Hexachloroethane	14.306	117	53872	19.275	ug/l	88
91) 1,2-Dichlorobenzene	14.082	146	143628	19.253	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	23465	16.941	ug/l	91
93) 1,2,4-Trichlorobenzene	15.365	180	85112	18.999	ug/l	98
94) Hexachlorobutadiene	15.470	225	33396	20.911	ug/l	97
95) Naphthalene	15.617	128	273883	17.261	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	81446	18.597	ug/l	98

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Misc : 5.0mL/MSVOA_N/WATER
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MSVOA_N
ClientSampleId :
VN0916WBSD01

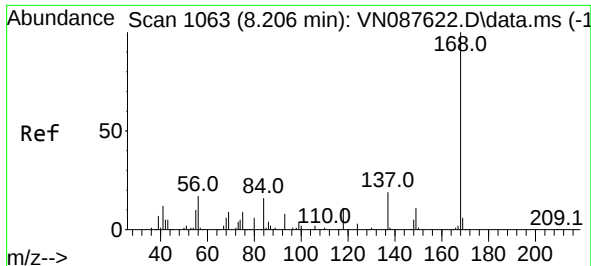
Manual Integrations
APPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

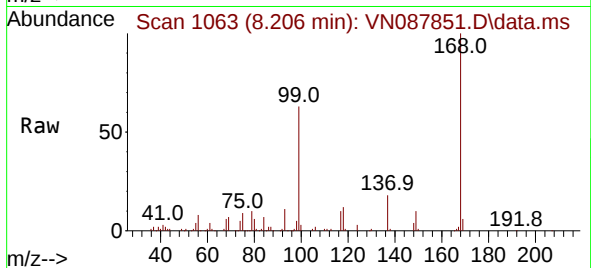
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

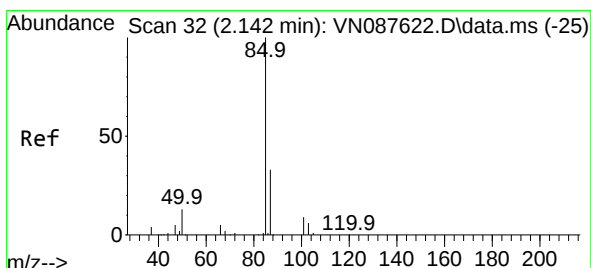
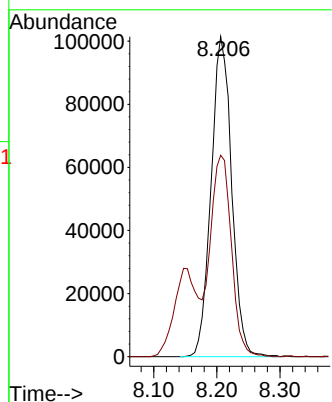
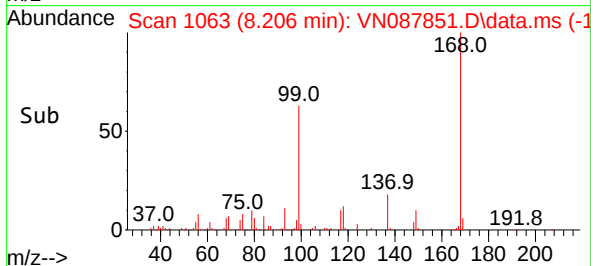
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion:168 Resp: 229272
Ion Ratio Lower Upper
168 100
99 63.0 57.2 85.8

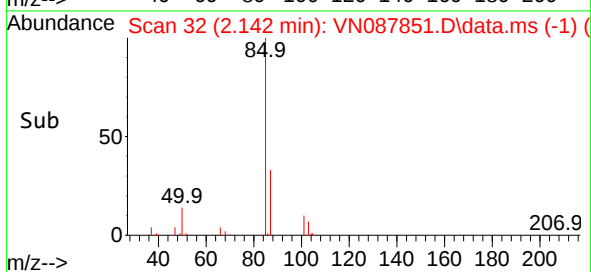
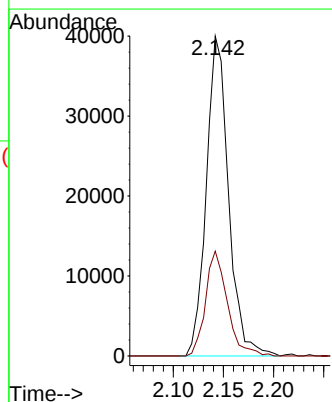
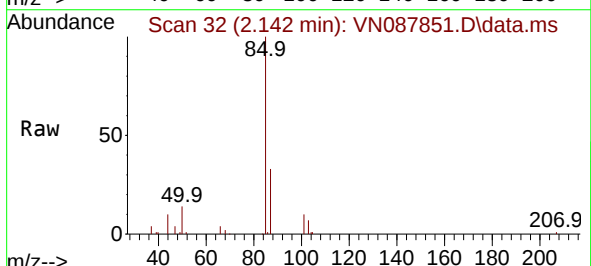
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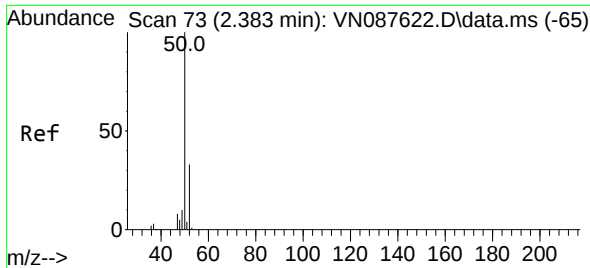
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#2
Dichlorodifluoromethane
Concen: 18.952 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

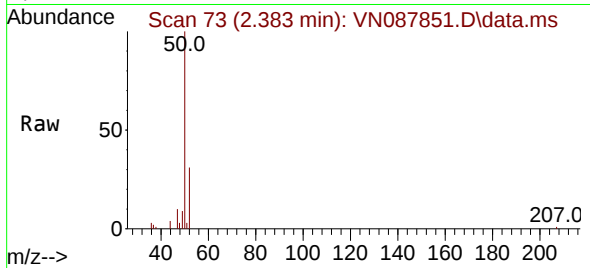
Tgt Ion: 85 Resp: 61714
Ion Ratio Lower Upper
85 100
87 32.8 16.6 49.8





#3
Chloromethane
Concen: 18.373 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

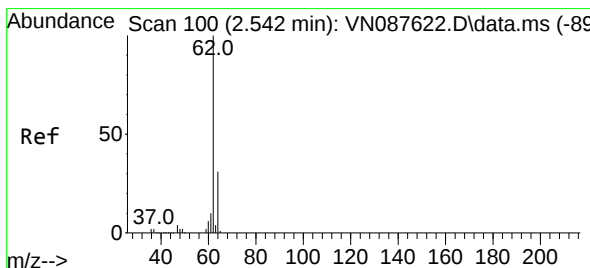
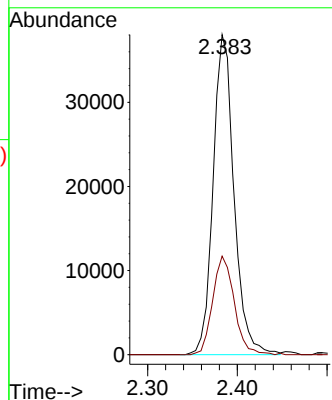
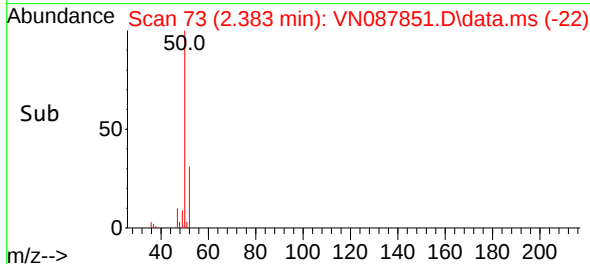
Instrument :
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Tgt Ion: 50 Resp: 6148
Ion Ratio Lower Upper
50 100
52 30.8 26.2 39.4

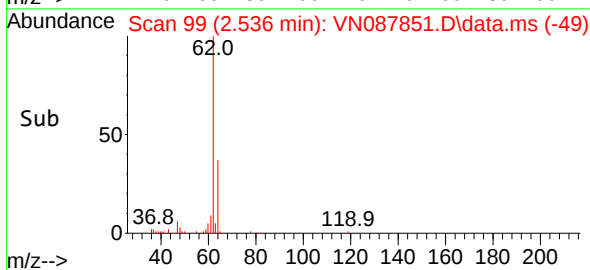
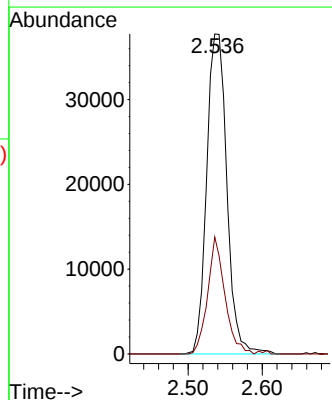
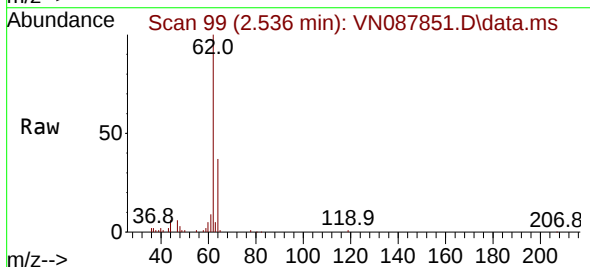
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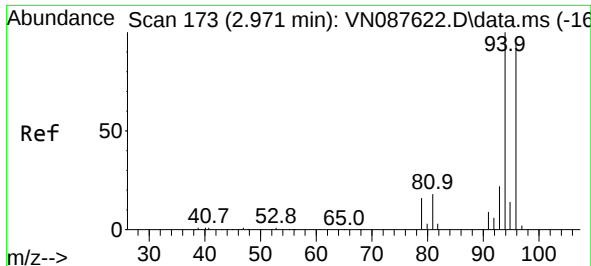
Reviewed By :John Carlone 09/17/2025
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#4
Vinyl Chloride
Concen: 18.383 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

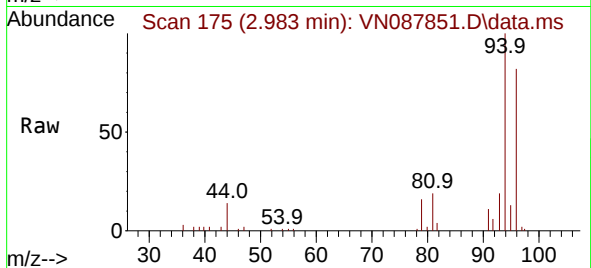
Tgt Ion: 62 Resp: 71328
Ion Ratio Lower Upper
62 100
64 36.5 24.6 37.0





#5
Bromomethane
Concen: 19.480 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

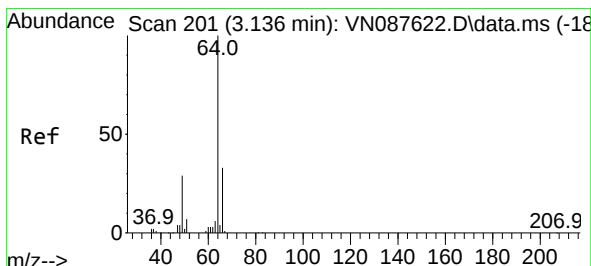
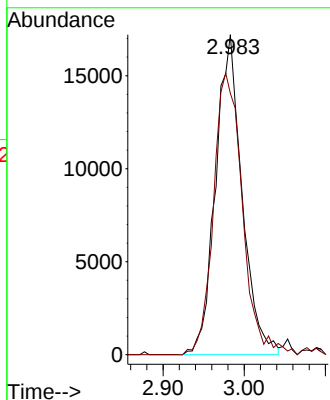
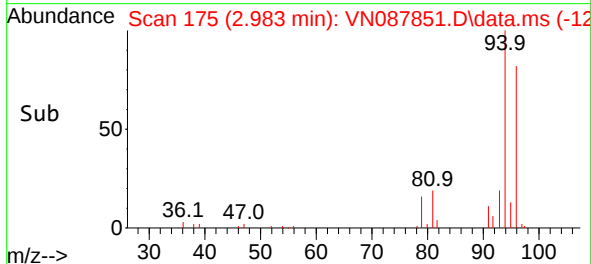
Instrument :
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Tgt Ion: 94 Resp: 39000
Ion Ratio Lower Upper
94 100
96 81.6 75.4 113.2

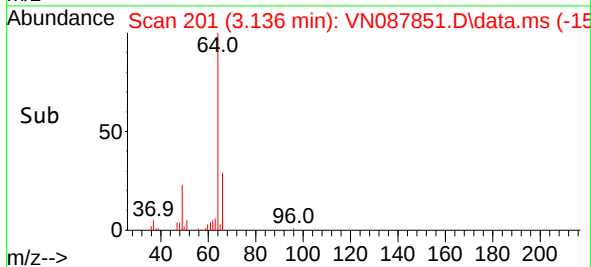
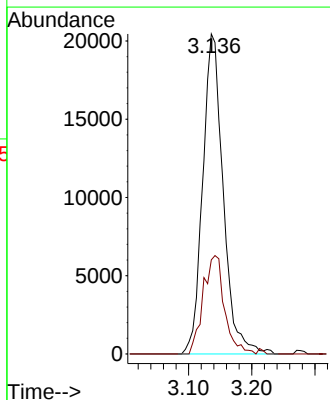
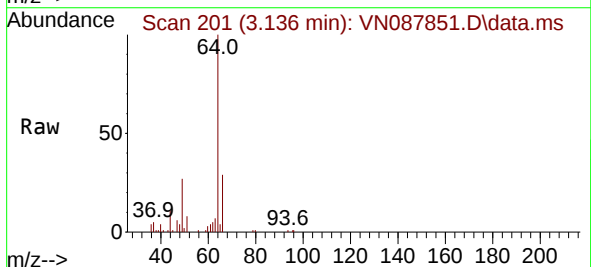
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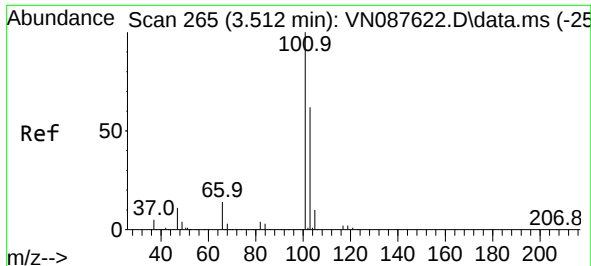
Reviewed By :John Carlone 09/17/2025
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#6
Chloroethane
Concen: 16.899 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.000 min
Lab File: VN087851.D
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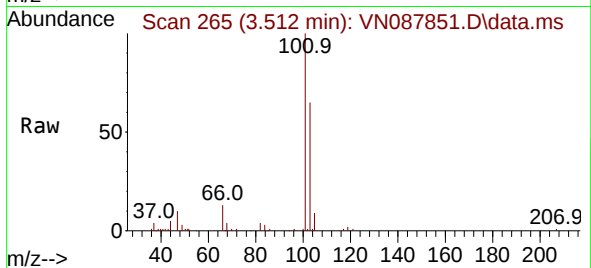
Tgt Ion: 64 Resp: 46084
Ion Ratio Lower Upper
64 100
66 29.4 26.2 39.2





#7
 Trichlorofluoromethane
 Concen: 19.652 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46

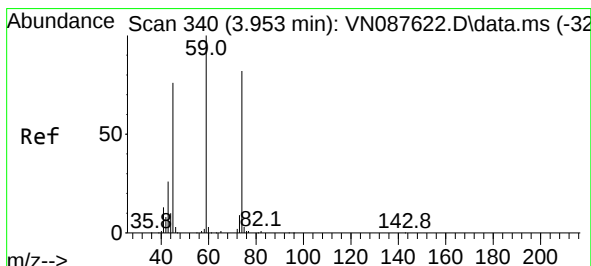
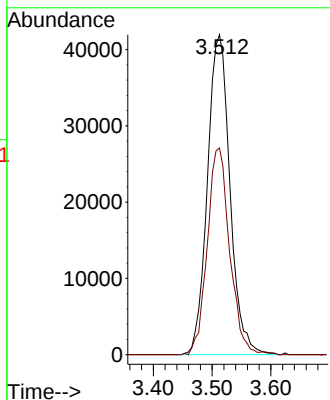
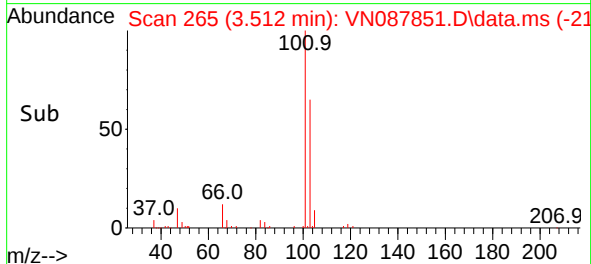
Instrument :
 MSVOA_N
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 VN0916WBSD01



Tgt Ion:101 Resp: 111710
 Ion Ratio Lower Upper
 101 100
 103 64.6 49.4 74.0

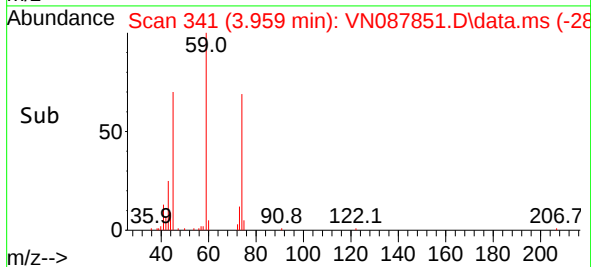
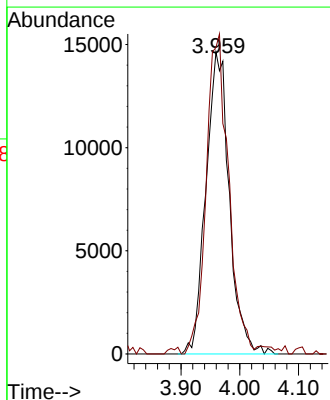
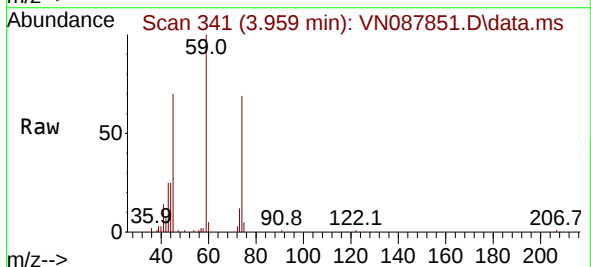
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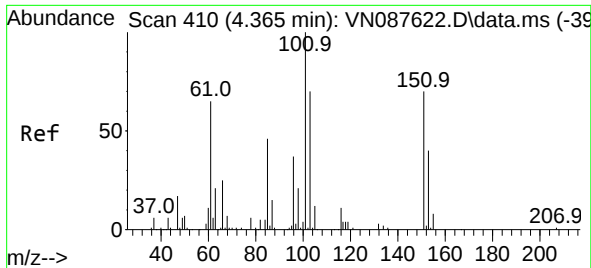
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#8
 Diethyl Ether
 Concen: 16.336 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46

Tgt Ion: 74 Resp: 40444
 Ion Ratio Lower Upper
 74 100
 45 101.0 50.6 151.9





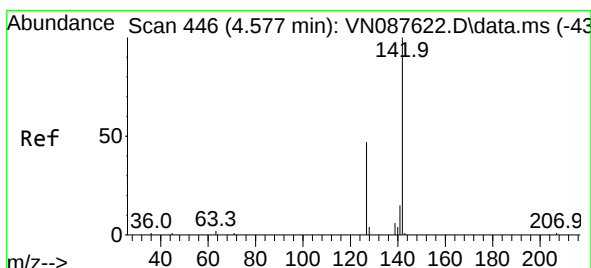
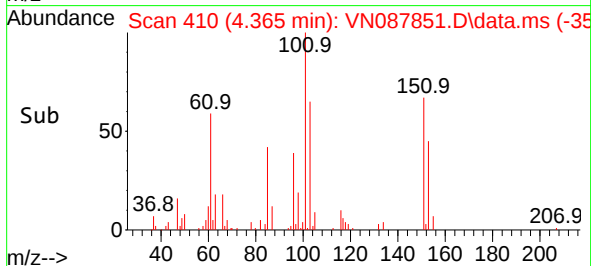
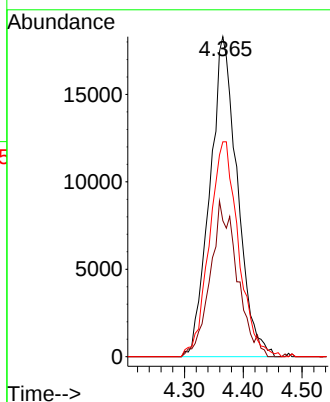
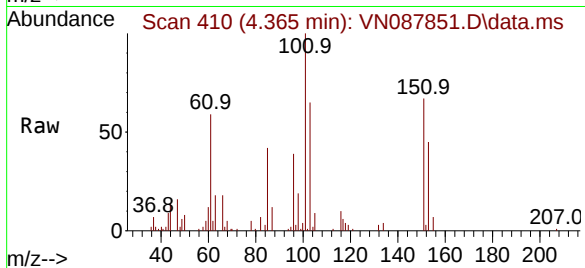
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.514 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tgt Ion:101 Resp: 5955
Ion Ratio Lower Upper
101 100
85 47.7 36.6 55.0
151 71.1 54.7 82.1

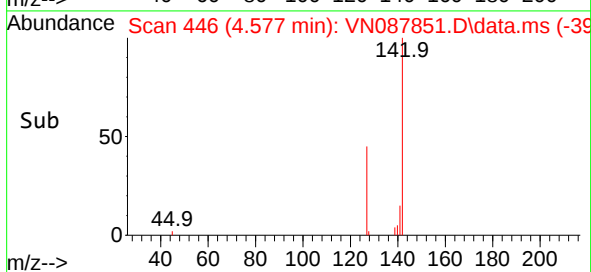
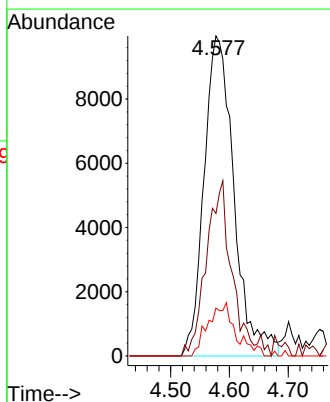
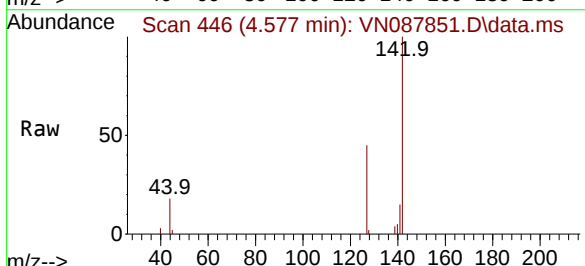
Manual Integrations
APPROVED

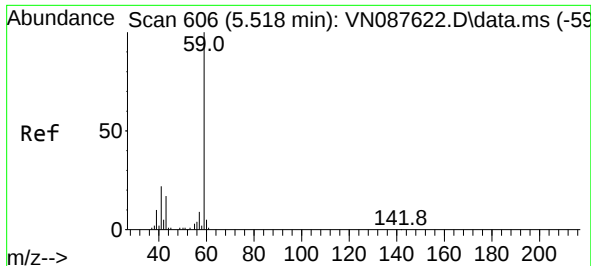
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#10
Methyl Iodide
Concen: 19.471 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Tgt Ion:142 Resp: 35235
Ion Ratio Lower Upper
142 100
127 44.5 38.0 57.0
141 14.9 12.0 18.0





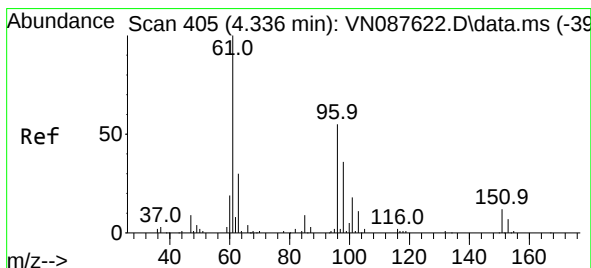
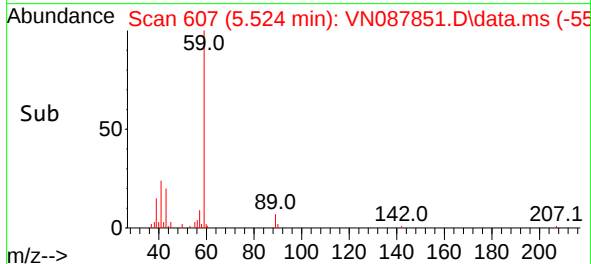
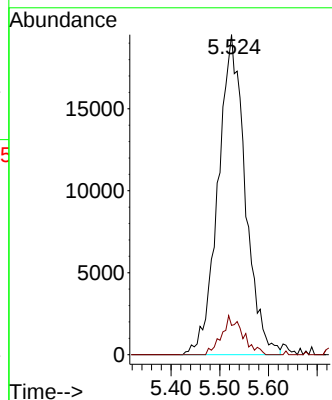
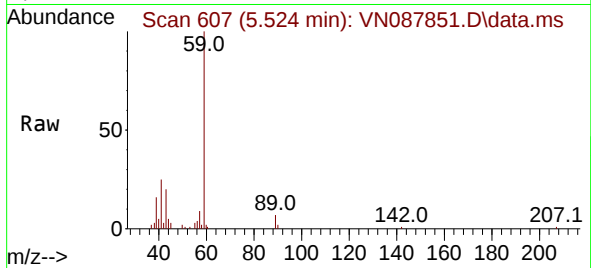
#11
Tert butyl alcohol
Concen: 92.898 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tgt Ion: 59 Resp: 7575
Ion Ratio Lower Upper
59 100
57 9.4 9.0 13.4

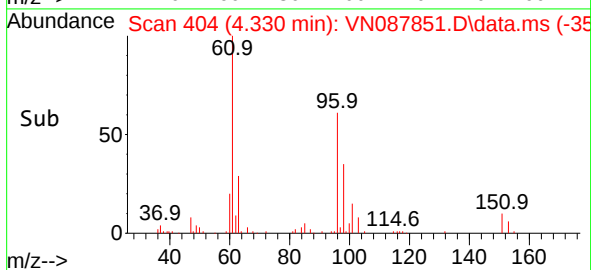
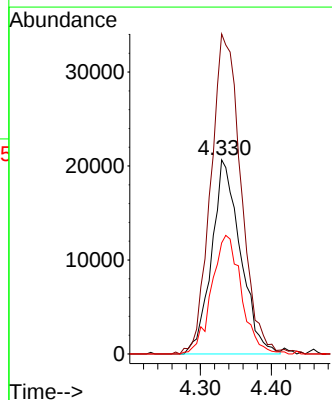
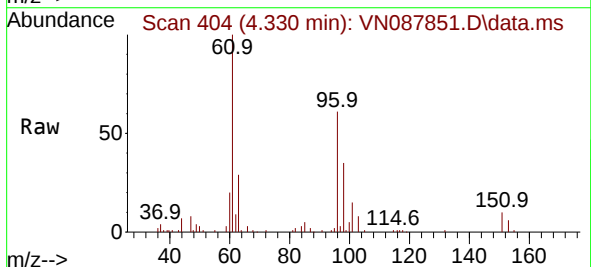
Manual Integrations
APPROVED

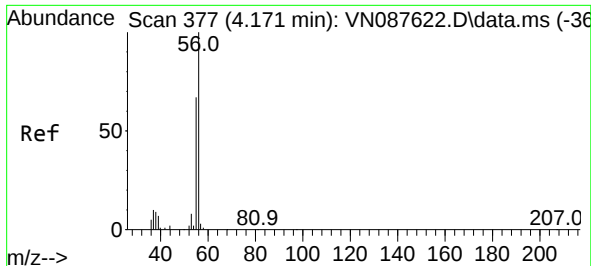
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#12
1,1-Dichloroethene
Concen: 17.596 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Tgt Ion: 96 Resp: 58163
Ion Ratio Lower Upper
96 100
61 164.9 143.8 215.8
98 57.2 52.1 78.1





#13

Acrolein

Concen: 74.149 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tgt Ion: 56 Resp: 74339

Ion Ratio Lower Upper

56 100

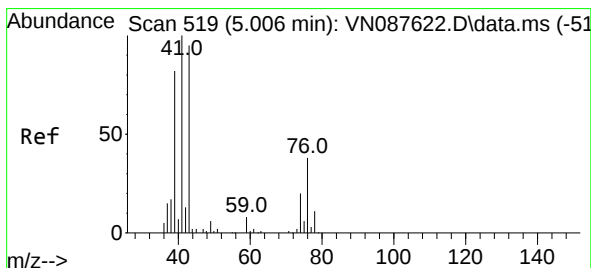
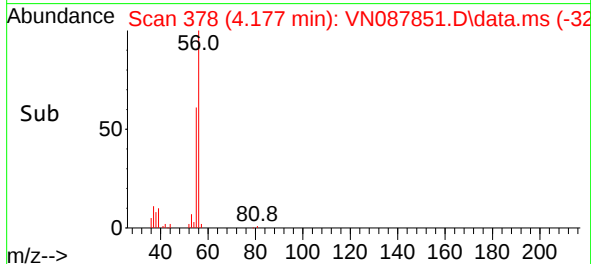
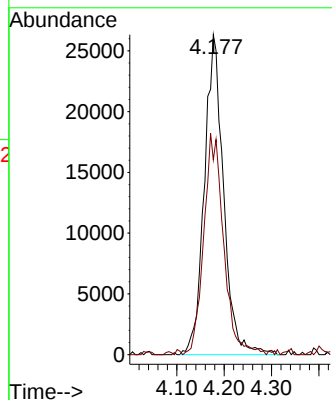
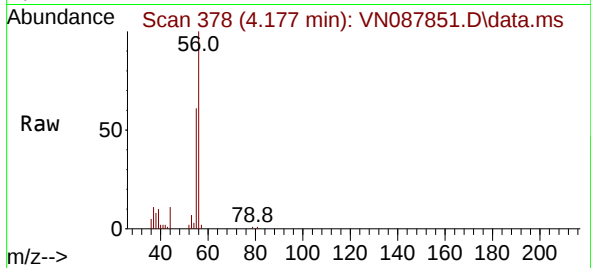
55 71.4 57.3 85.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#14

Allyl chloride

Concen: 15.040 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

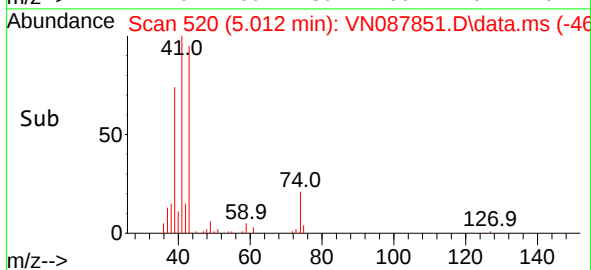
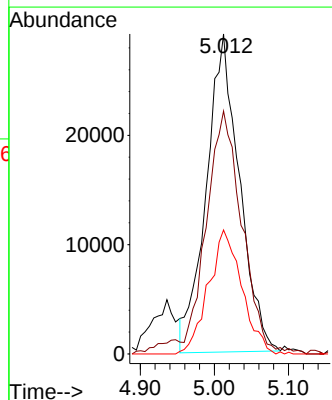
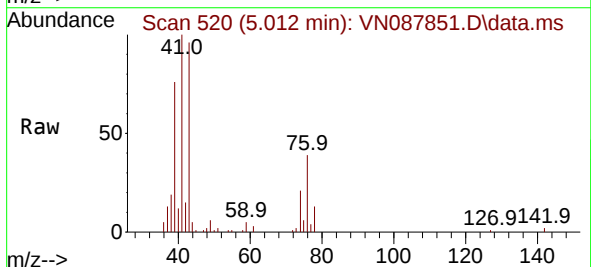
Tgt Ion: 41 Resp: 90094

Ion Ratio Lower Upper

41 100

39 85.6 63.9 95.9

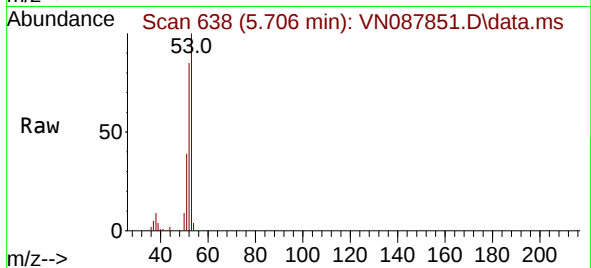
76 39.4 28.1 42.1





#15
Acrylonitrile
Concen: 88.934 ug/l
RT: 5.706 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

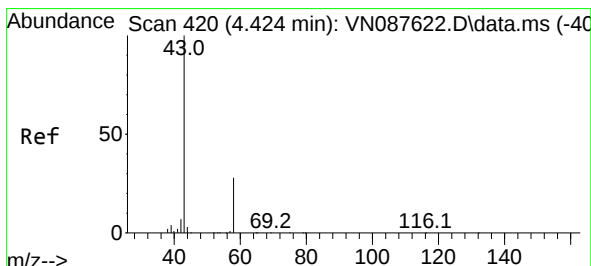
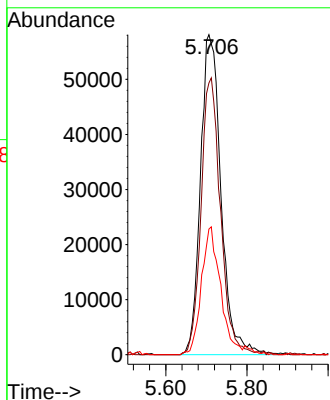
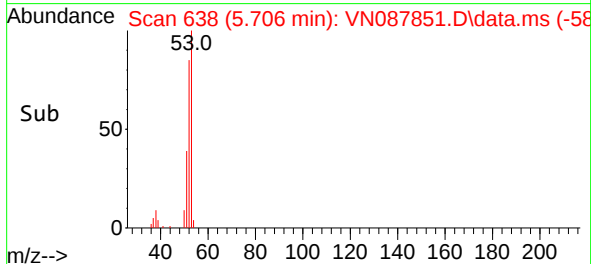
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



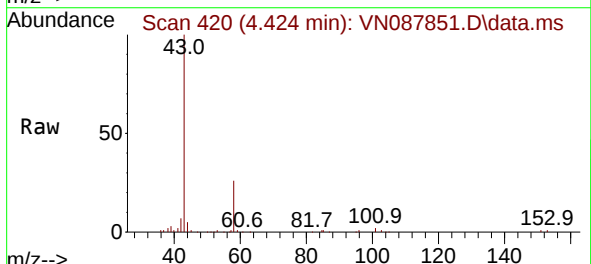
Tgt Ion: 53 Resp: 20454
Ion Ratio Lower Upper
53 100
52 81.5 67.6 101.4
51 36.9 30.1 45.1

Manual Integrations
APPROVED

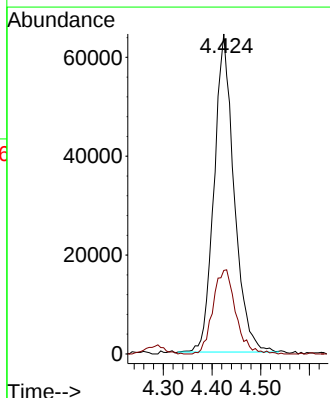
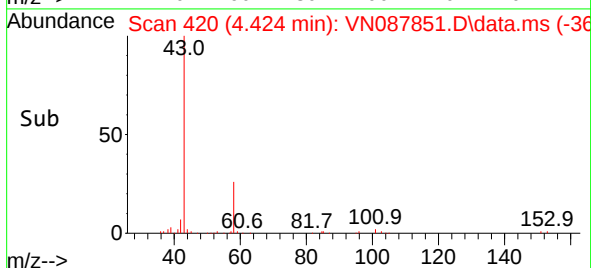
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

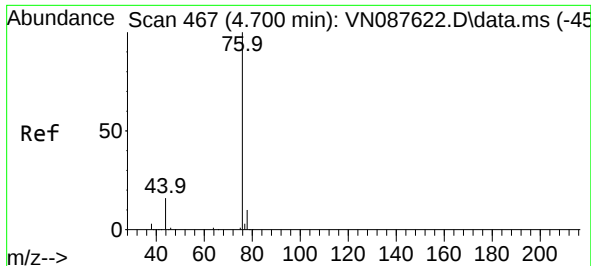


#16
Acetone
Concen: 71.883 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



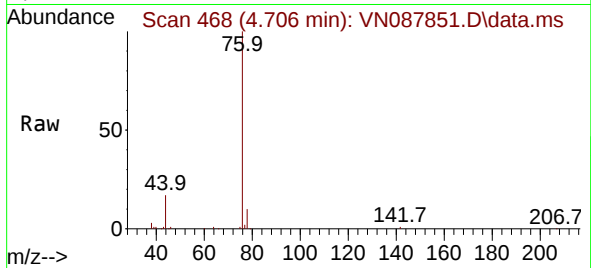
Tgt Ion: 43 Resp: 183819
Ion Ratio Lower Upper
43 100
58 26.3 22.6 33.8





#17
Carbon Disulfide
Concen: 18.681 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

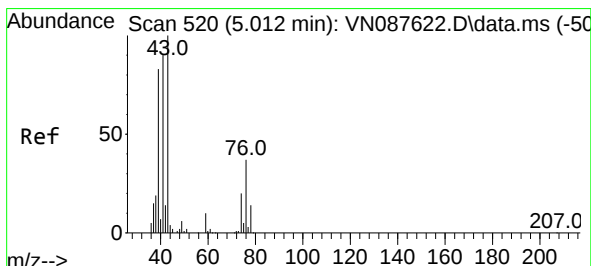
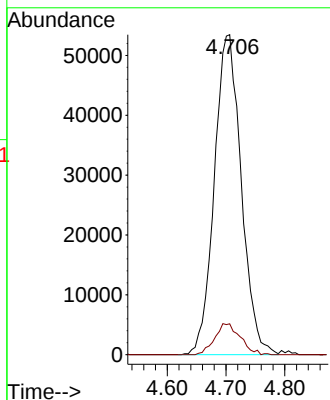
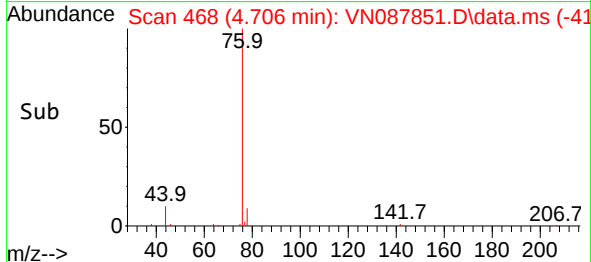
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



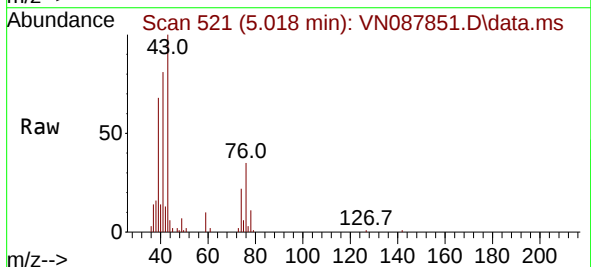
Tgt Ion: 76 Resp: 17000
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4

Manual Integrations
APPROVED

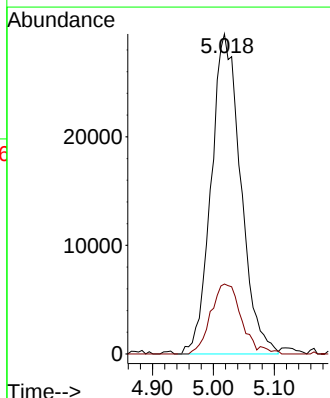
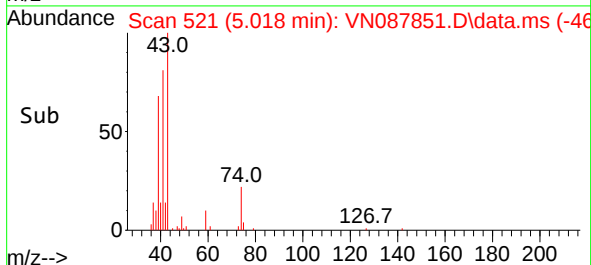
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

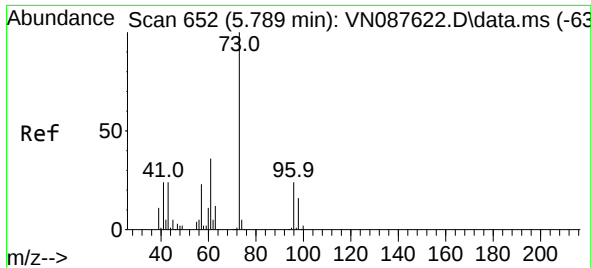


#18
Methyl Acetate
Concen: 18.573 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



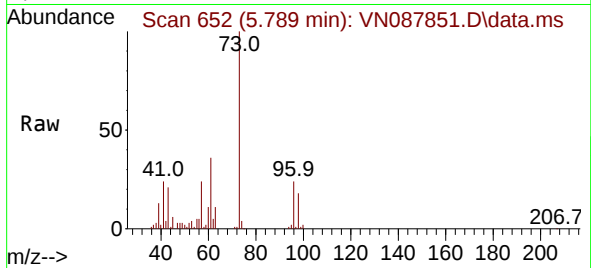
Tgt Ion: 43 Resp: 99443
Ion Ratio Lower Upper
43 100
74 22.7 17.6 26.4





#19
Methyl tert-butyl Ether
Concen: 16.960 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

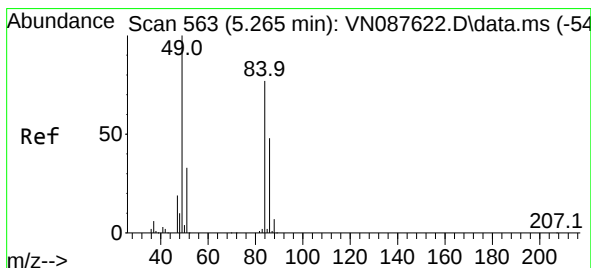
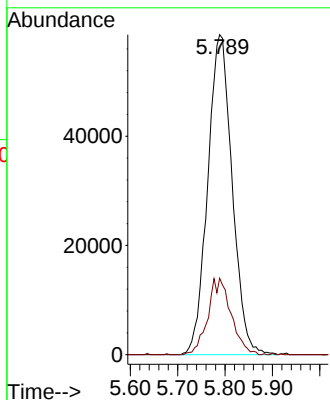
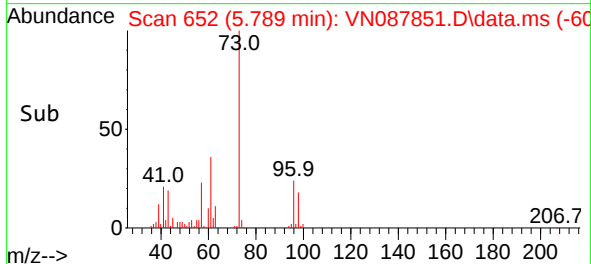
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion: 73 Resp: 210300
Ion Ratio Lower Upper
73 100
57 23.9 18.4 27.6

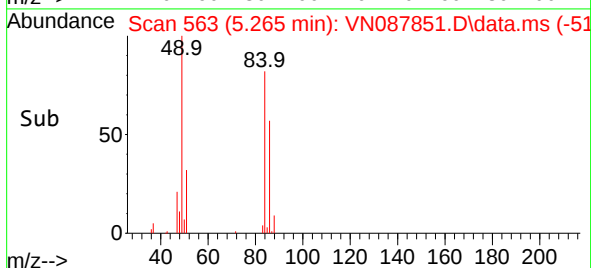
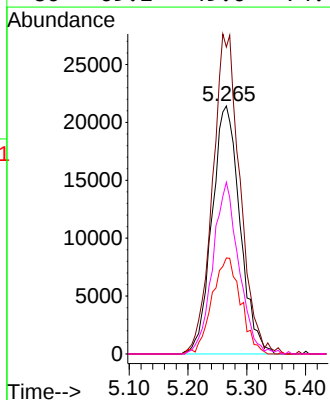
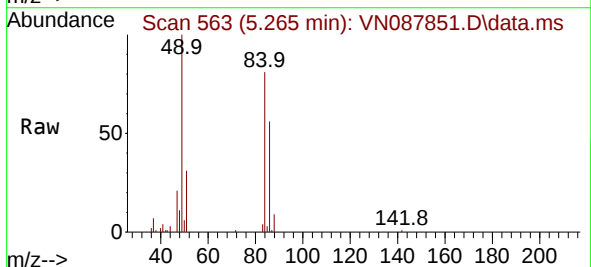
Manual Integrations
APPROVED

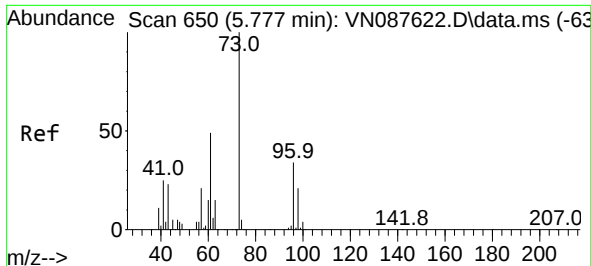
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#20
Methylene Chloride
Concen: 18.366 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

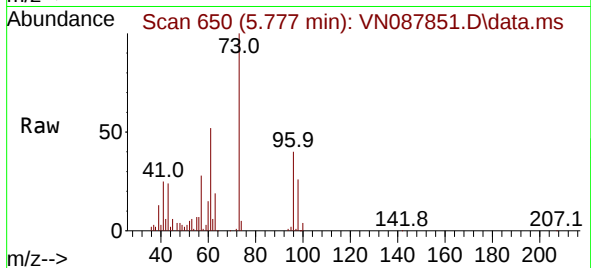
Tgt Ion: 84 Resp: 70838
Ion Ratio Lower Upper
84 100
49 123.7 103.4 155.2
51 38.7 33.8 50.8
86 69.2 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 17.636 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

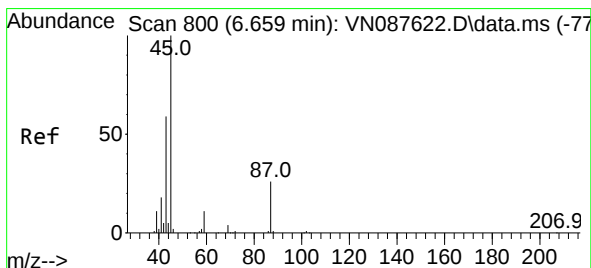
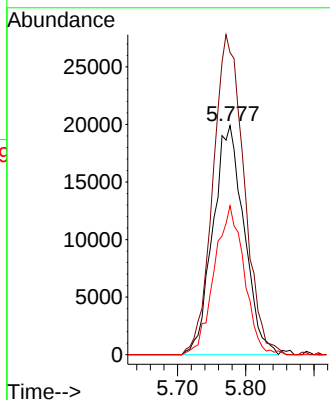
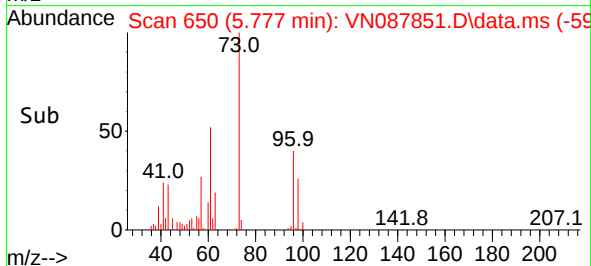
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion: 96 Resp: 63180
Ion Ratio Lower Upper
96 100
61 131.8 118.0 177.0
98 65.1 50.0 75.0

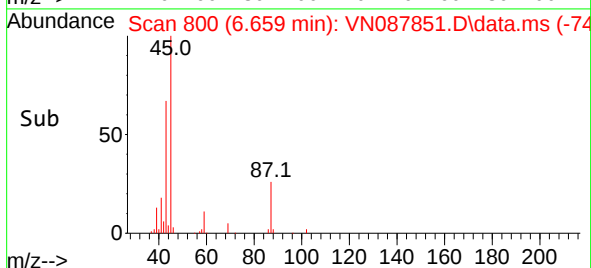
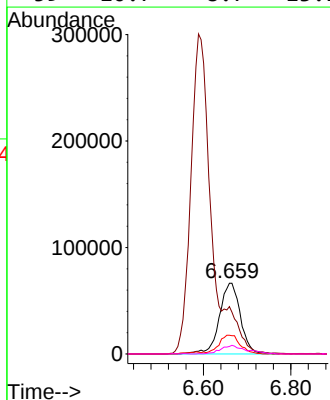
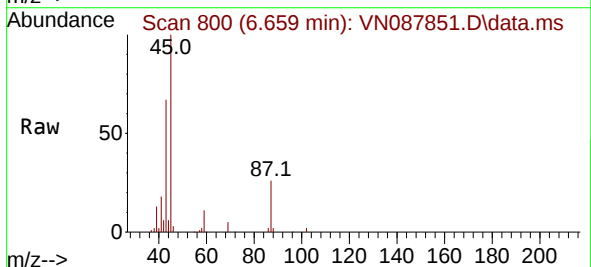
Manual Integrations
APPROVED

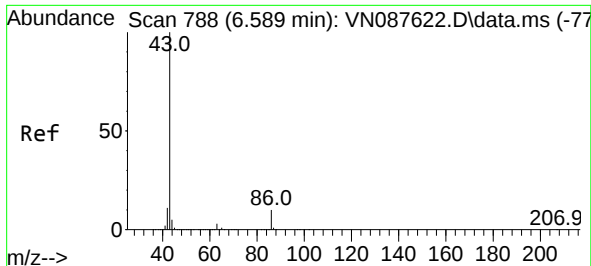
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#22
Diisopropyl ether
Concen: 17.076 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

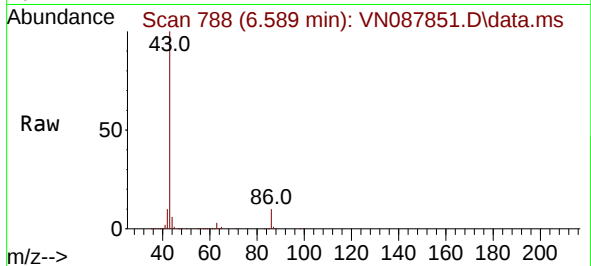
Tgt Ion: 45 Resp: 220735
Ion Ratio Lower Upper
45 100
43 65.7 47.7 71.5
87 26.4 21.4 32.0
59 10.7 8.7 13.1





#23
 Vinyl Acetate
 Concen: 75.024 ug/l
 RT: 6.589 min Scan# 788
 Delta R.T. 0.000 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46

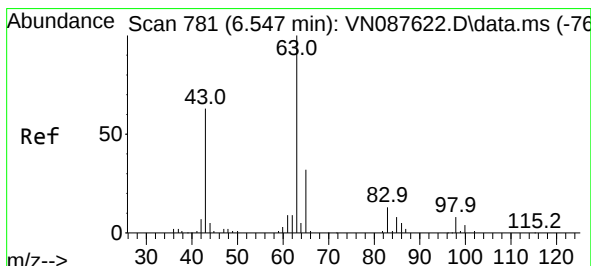
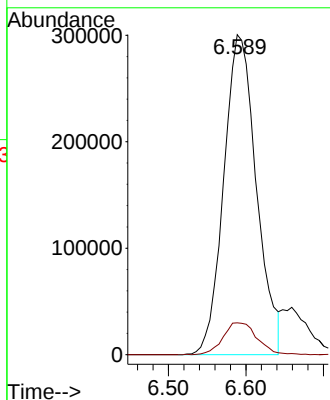
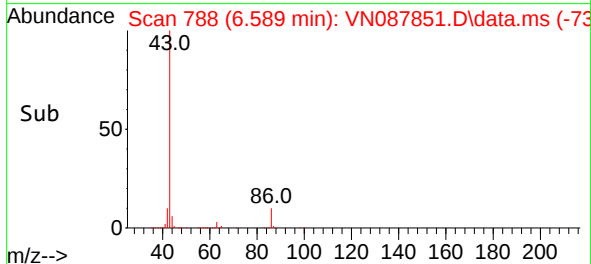
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01



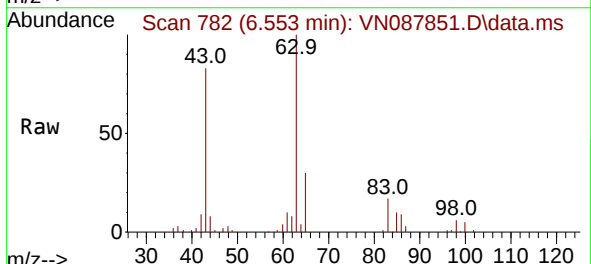
Tgt Ion: 43 Resp: 88232
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.4

Manual Integrations
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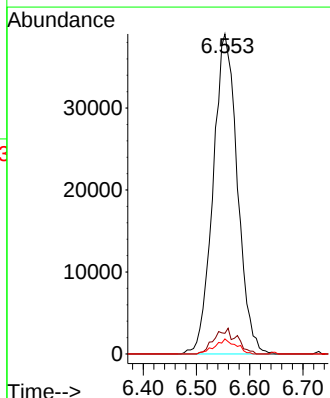
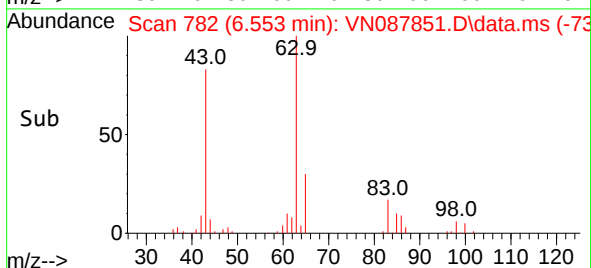
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#24
 1,1-Dichloroethane
 Concen: 17.466 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. 0.006 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46



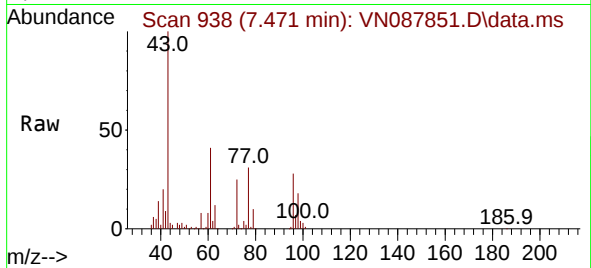
Tgt Ion: 63 Resp: 123788
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.8 11.4
 100 4.7 2.0 6.0





#25
2-Butanone
Concen: 84.156 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

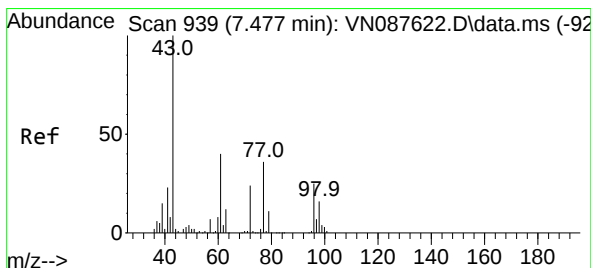
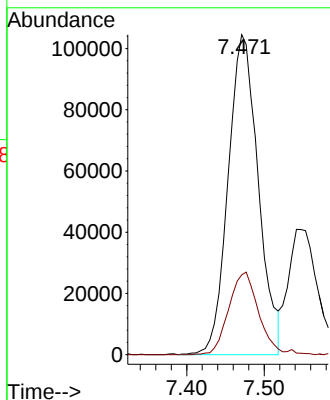
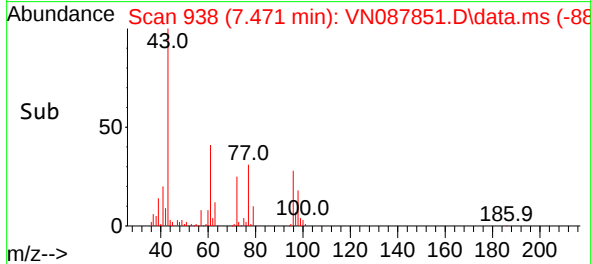
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion: 43 Resp: 283120
Ion Ratio Lower Upper
43 100
72 24.9 19.9 29.9

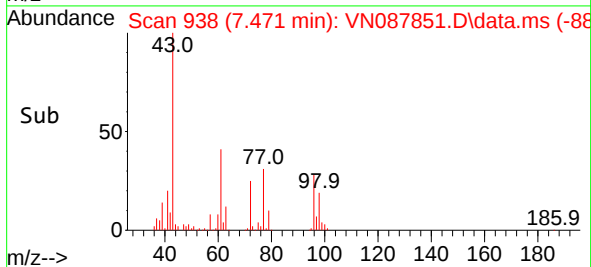
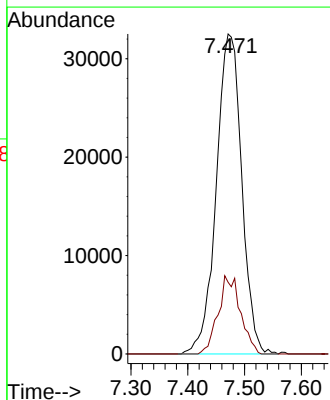
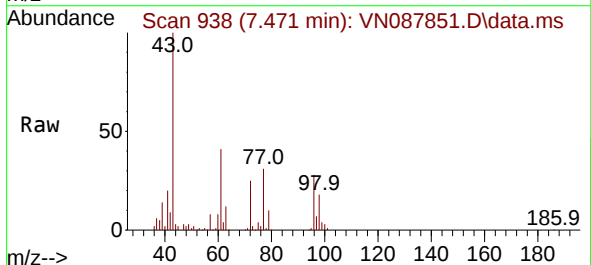
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#26
2,2-Dichloropropane
Concen: 16.632 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

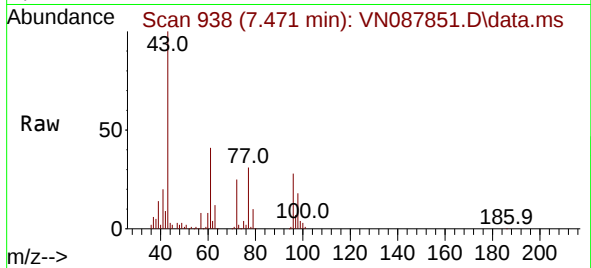
Tgt Ion: 77 Resp: 101171
Ion Ratio Lower Upper
77 100
97 21.4 10.9 32.7





#27
 cis-1,2-Dichloroethene
 Concen: 18.182 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46

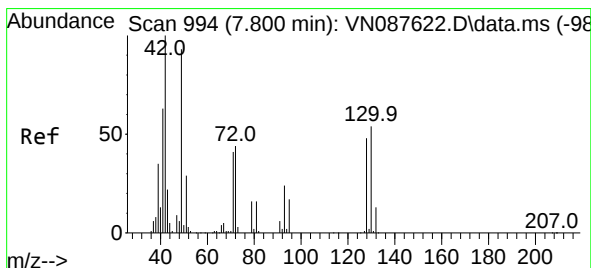
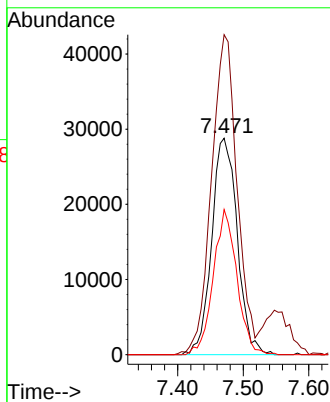
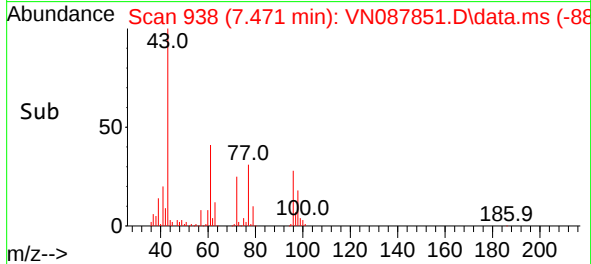
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01



Tgt Ion: 96 Resp: 7787
 Ion Ratio Lower Upper
 96 100
 61 147.9 0.0 301.8
 98 62.1 0.0 126.2

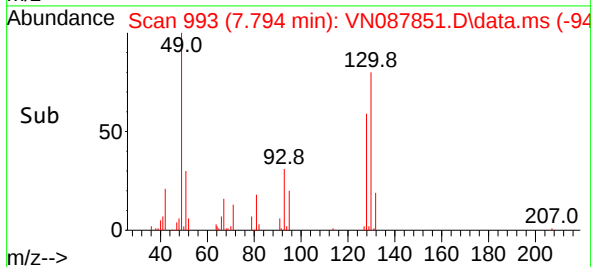
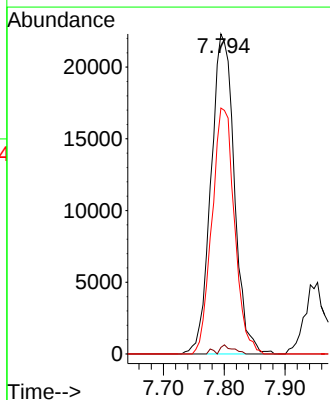
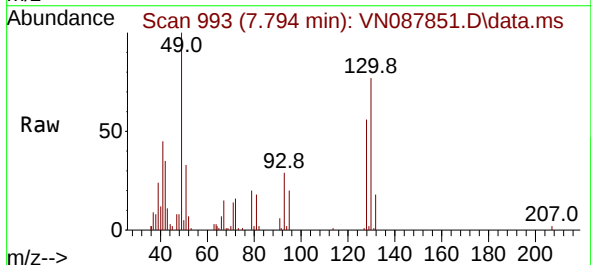
Manual Integrations
 APPROVED

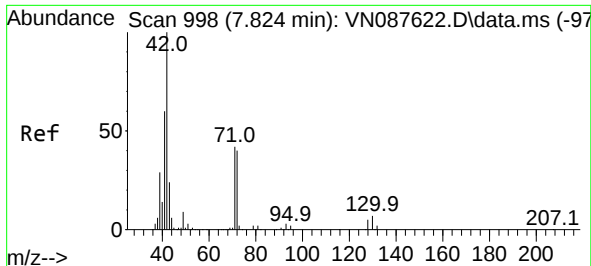
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#28
 Bromochloromethane
 Concen: 17.350 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. -0.006 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46

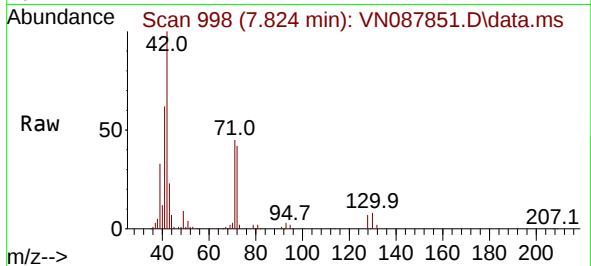
Tgt Ion: 49 Resp: 59450
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.0
 130 74.1 53.1 79.7





#29
Tetrahydrofuran
Concen: 82.933 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

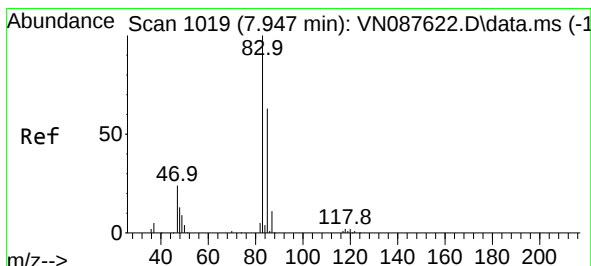
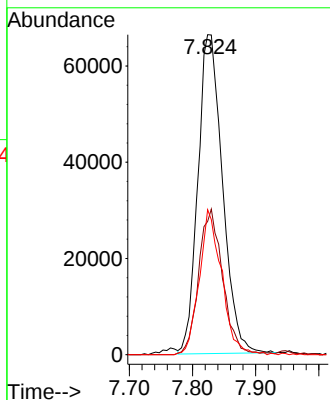
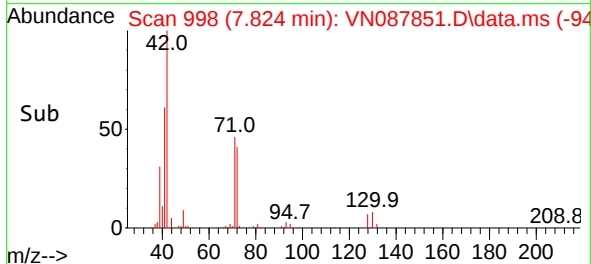
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion: 42 Resp: 17955
Ion Ratio Lower Upper
42 100
72 44.6 33.7 50.5
71 41.5 31.9 47.9

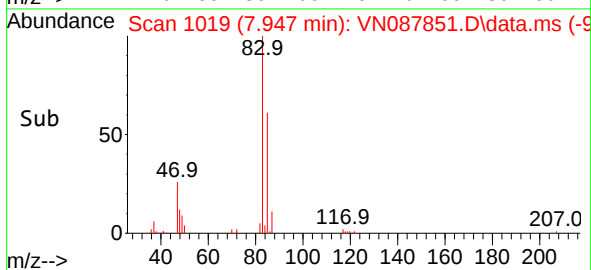
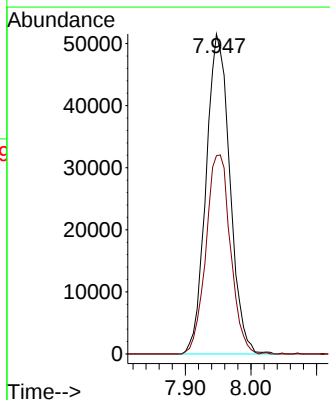
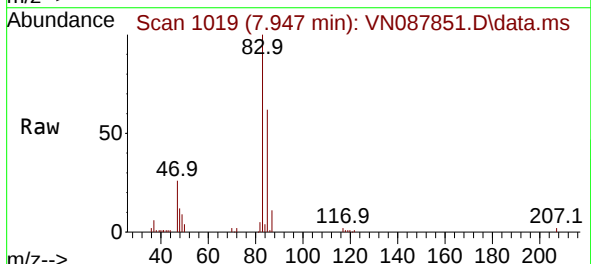
Manual Integrations
APPROVED

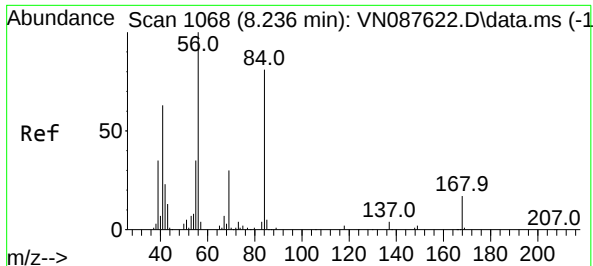
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#30
Chloroform
Concen: 17.959 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

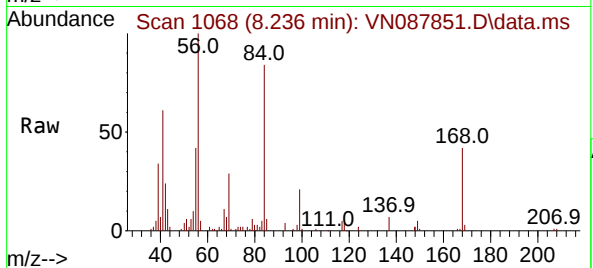
Tgt Ion: 83 Resp: 129921
Ion Ratio Lower Upper
83 100
85 62.0 50.7 76.1





#31
Cyclohexane
Concen: 18.131 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

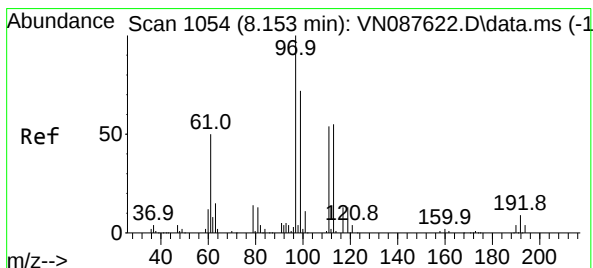
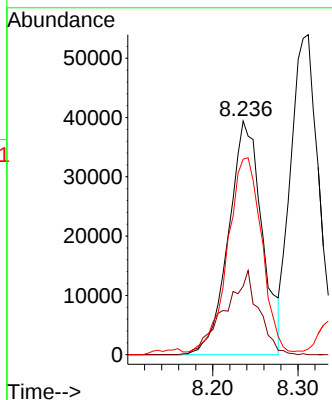
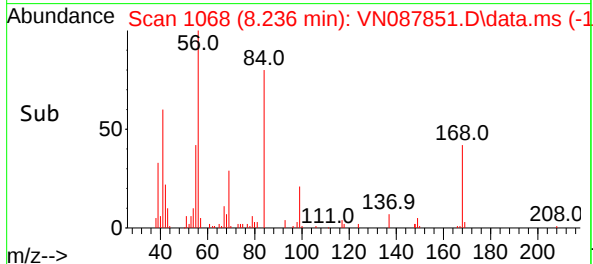
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



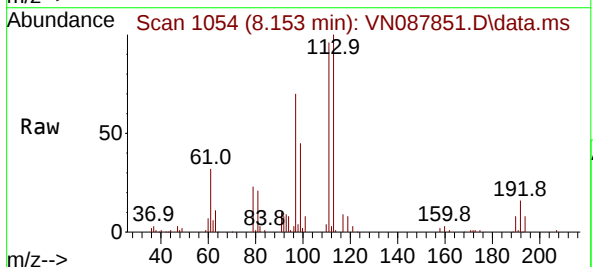
Tgt Ion: 56 Resp: 107120
Ion Ratio Lower Upper
56 100
69 29.3 23.7 35.5
84 81.1 64.7 97.1

Manual Integrations
APPROVED

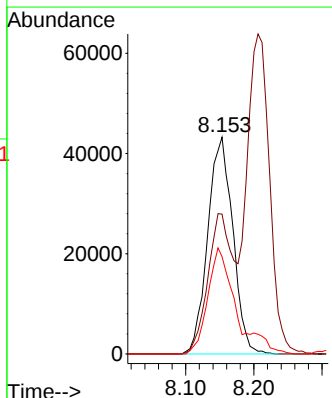
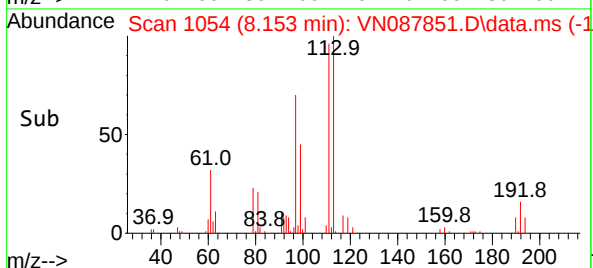
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

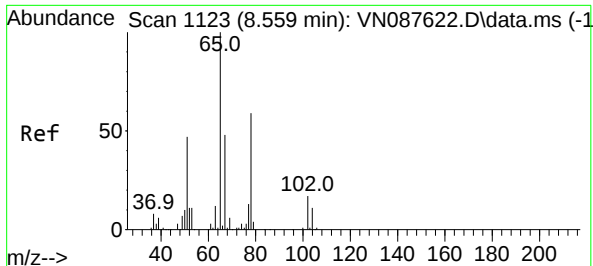


#32
1,1,1-Trichloroethane
Concen: 18.081 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



Tgt Ion: 97 Resp: 110851
Ion Ratio Lower Upper
97 100
99 66.0 52.2 78.2
61 48.7 41.2 61.8





#33

1,2-Dichloroethane-d4

Concen: 43.468 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tgt Ion: 65 Resp: 204194

Ion Ratio Lower Upper

65 100

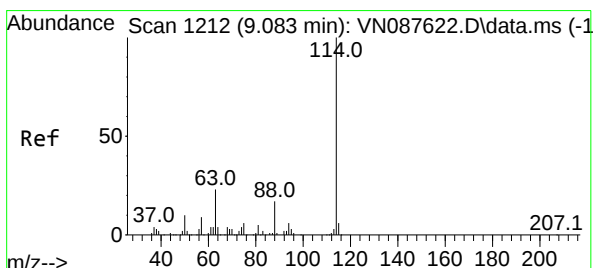
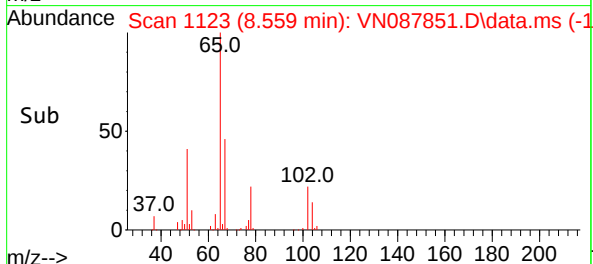
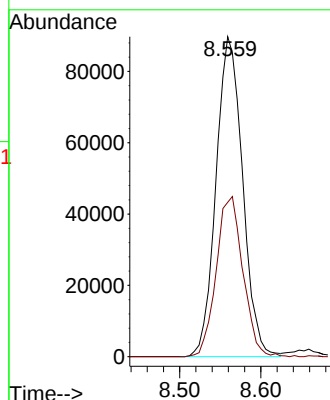
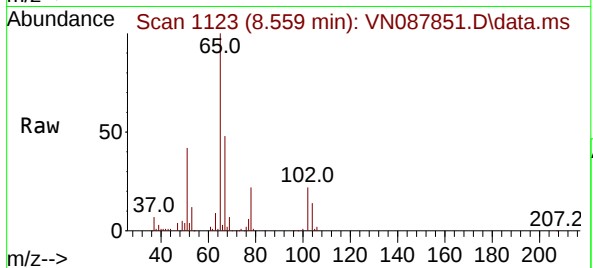
67 50.2 0.0 100.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

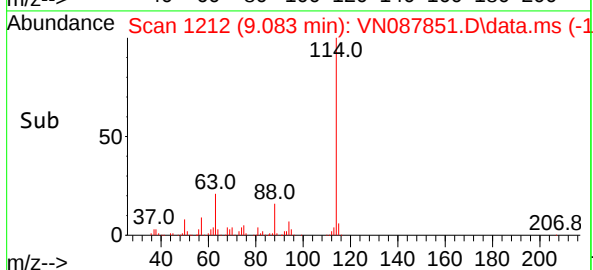
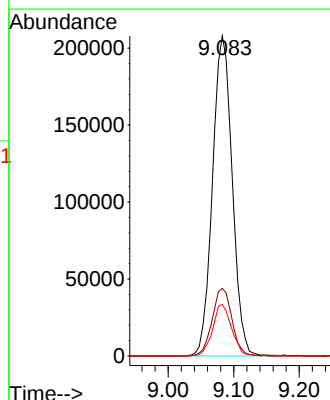
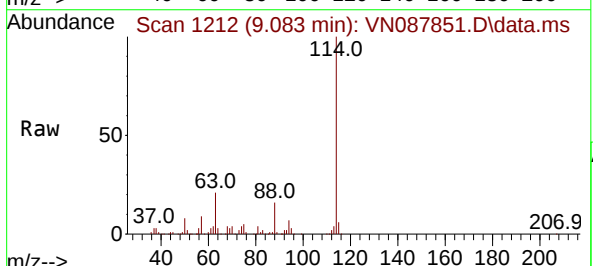
Tgt Ion:114 Resp: 433869

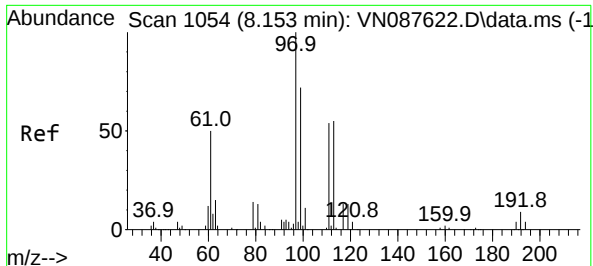
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.2

88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.593 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

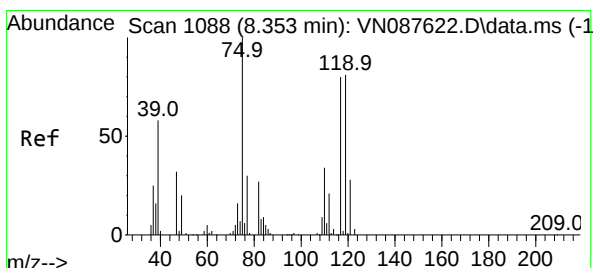
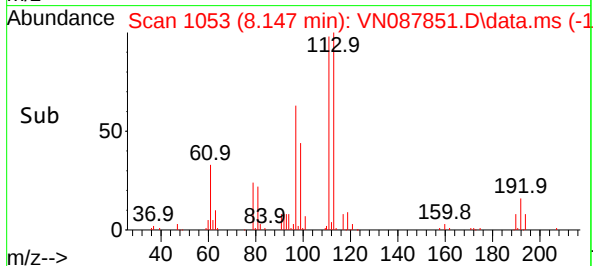
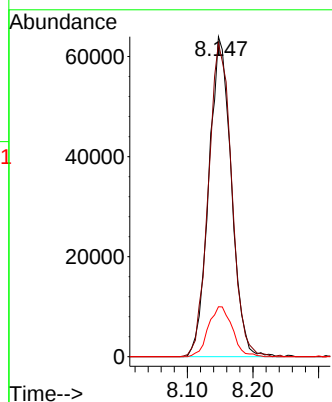
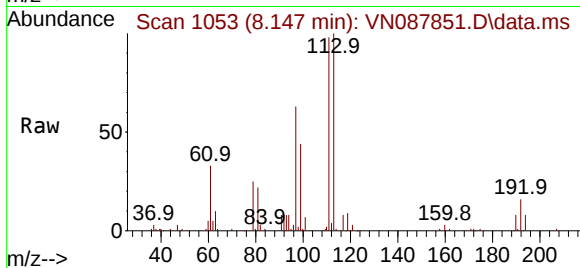
Tgt Ion:	113	Resp:	152219
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.8	124.2
192	16.6	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#36

1,1-Dichloropropene

Concen: 17.938 ug/l

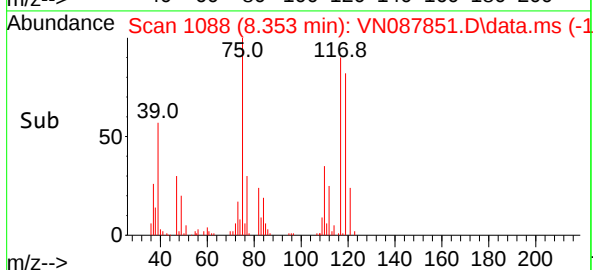
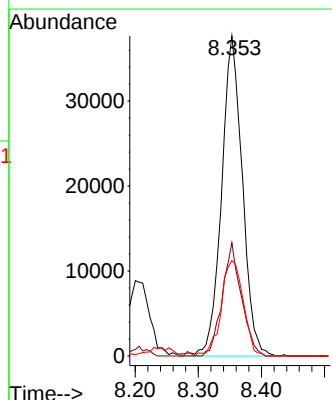
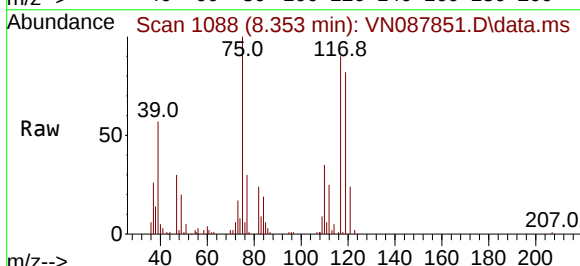
RT: 8.353 min Scan# 1088

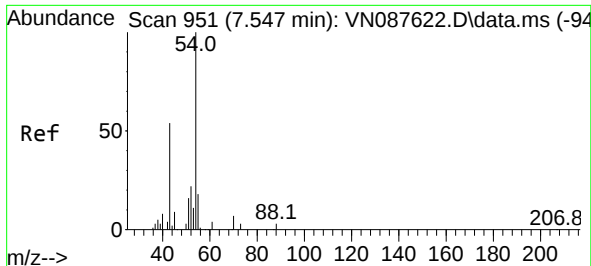
Delta R.T. 0.000 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Tgt Ion:	75	Resp:	86206
Ion Ratio	Lower	Upper	
75	100		
110	32.6	15.9	47.6
77	31.6	24.4	36.6





#37

Ethyl Acetate

Concen: 16.514 ug/l

RT: 7.542 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tgt Ion: 43 Resp: 10844

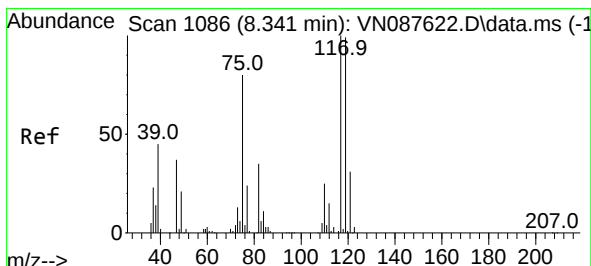
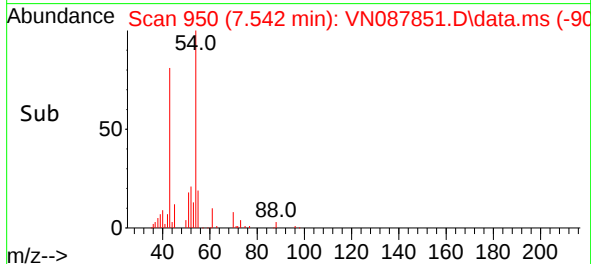
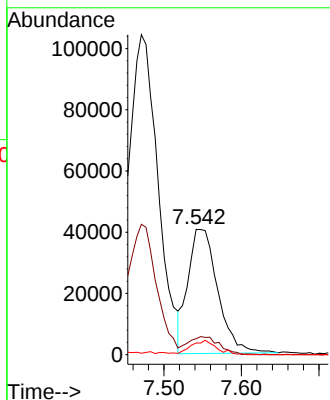
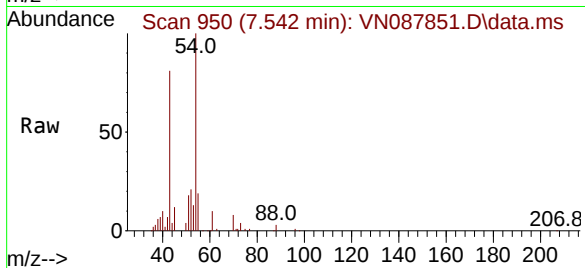
Ion	Ratio	Lower	Upper
43	100		
61	14.5	9.3	13.9
70	10.1	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#38

Carbon Tetrachloride

Concen: 19.721 ug/l

RT: 8.341 min Scan# 1086

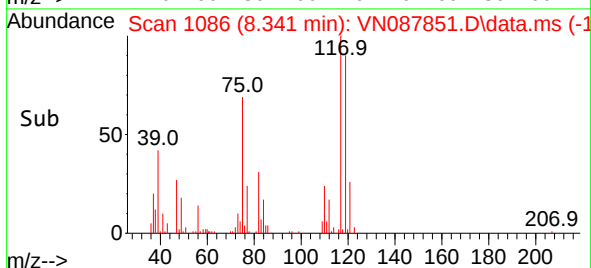
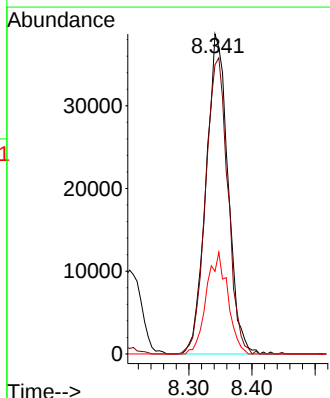
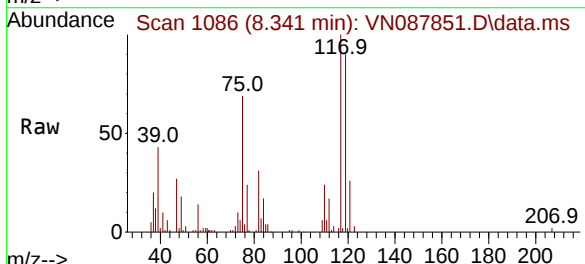
Delta R.T. 0.000 min

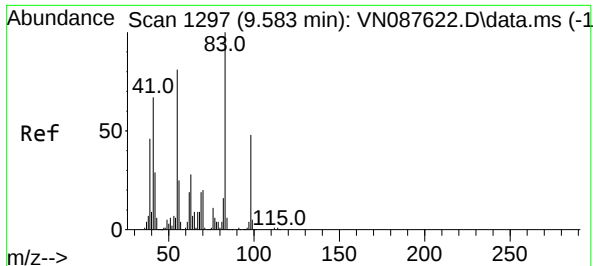
Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Tgt Ion:117 Resp: 93570

Ion	Ratio	Lower	Upper
117	100		
119	90.4	79.0	118.6
121	25.8	25.0	37.6





#39

Methylcyclohexane

Concen: 18.519 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tgt Ion: 83 Resp: 97980

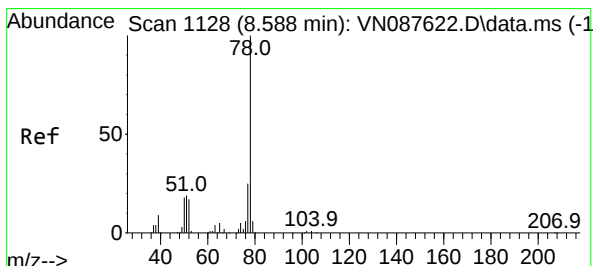
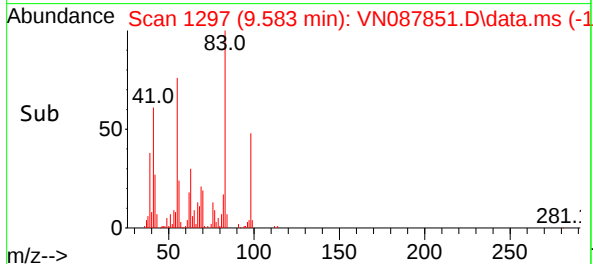
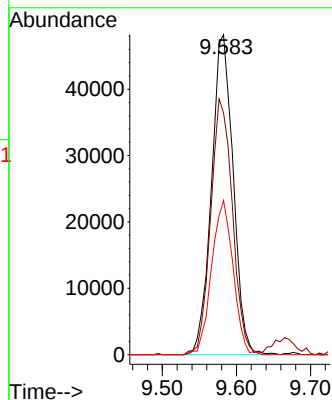
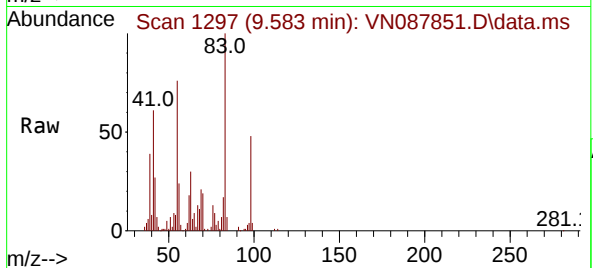
Ion	Ratio	Lower	Upper
83	100		
55	75.6	64.6	96.8
98	48.2	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#40

Benzene

Concen: 18.876 ug/l

RT: 8.588 min Scan# 1128

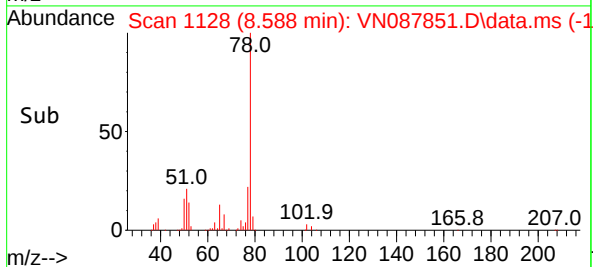
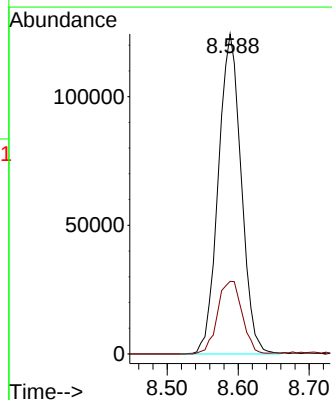
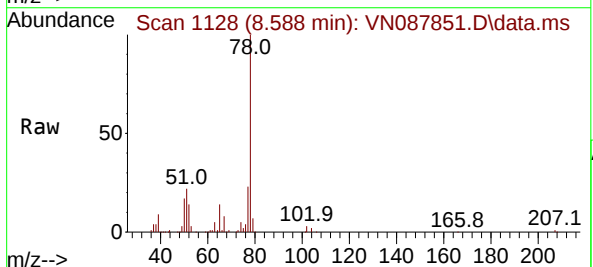
Delta R.T. 0.000 min

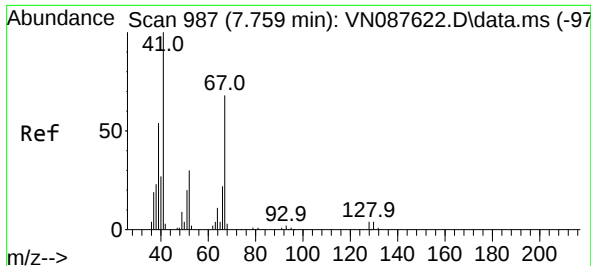
Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Tgt Ion: 78 Resp: 278225

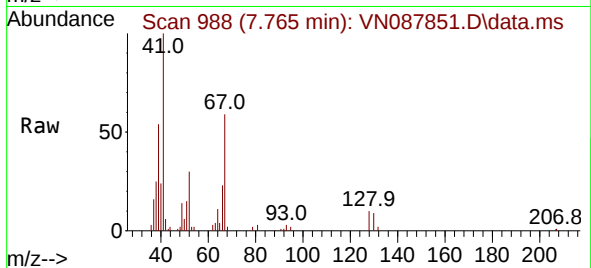
Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.7	29.5





#41
Methacrylonitrile
Concen: 17.628 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

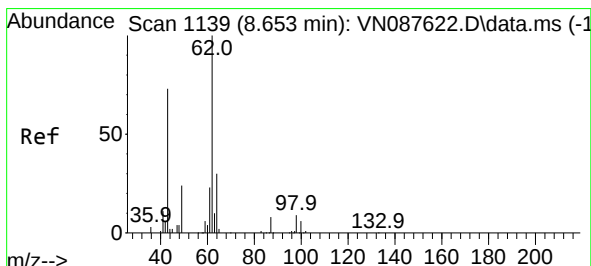
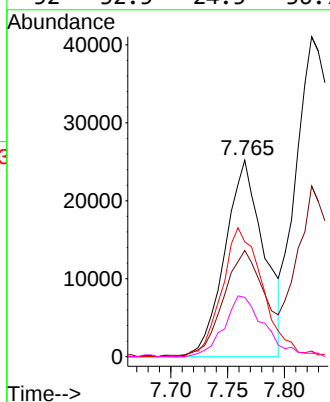
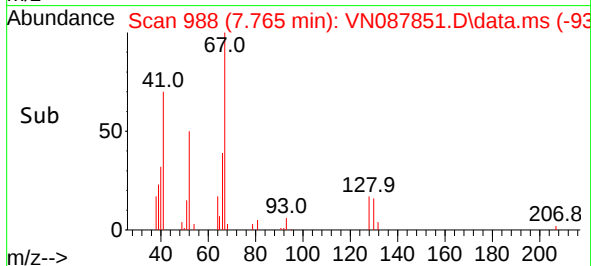
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion: 41 Resp: 59964
Ion Ratio Lower Upper
41 100
39 57.8 45.4 68.0
67 69.6 55.3 82.9
52 32.5 24.5 36.7

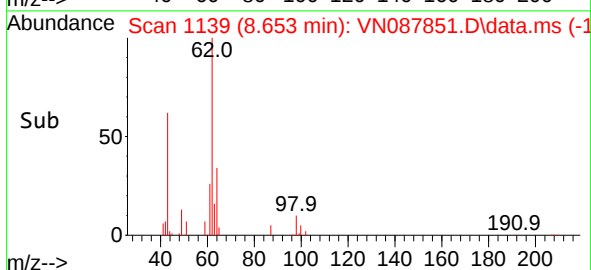
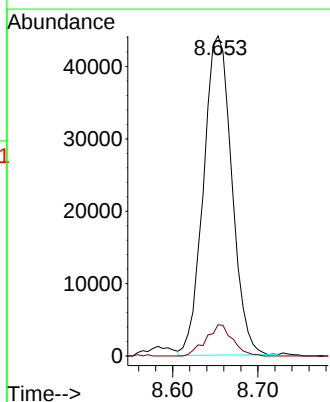
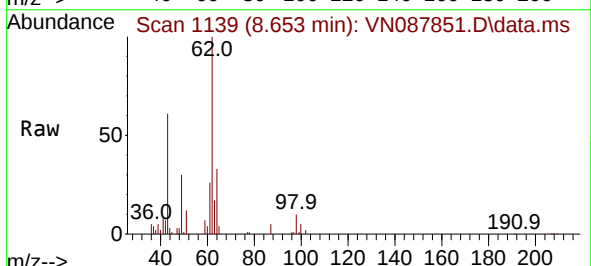
Manual Integrations
APPROVED

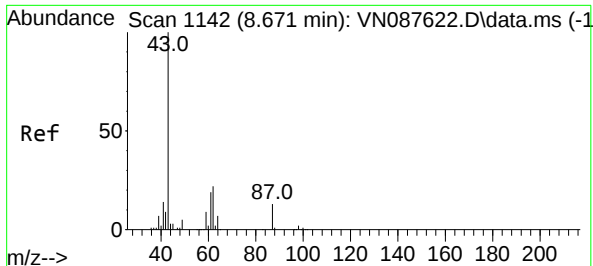
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#42
1,2-Dichloroethane
Concen: 17.962 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

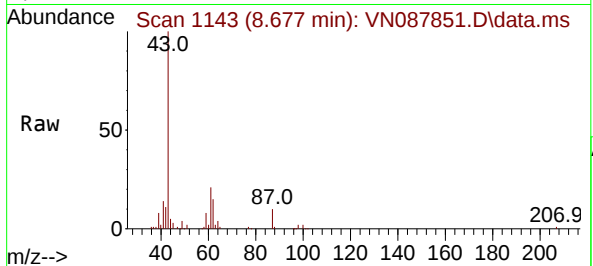
Tgt Ion: 62 Resp: 101742
Ion Ratio Lower Upper
62 100
98 9.2 0.0 17.4





#43
Isopropyl Acetate
Concen: 17.519 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

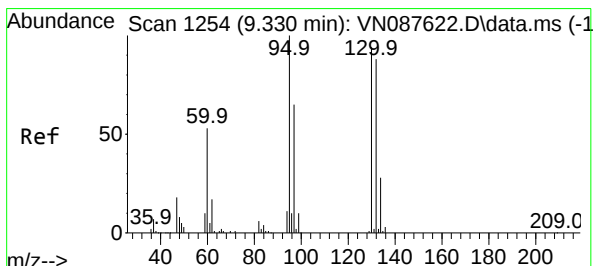
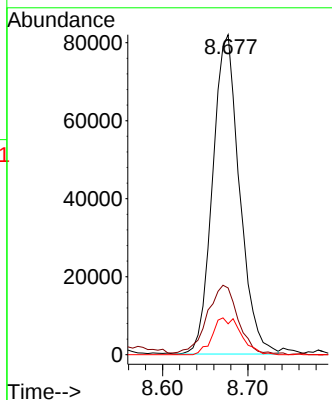
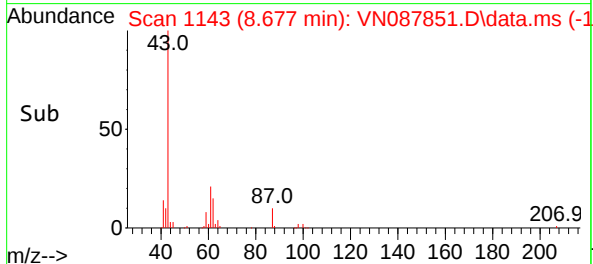
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion: 43 Resp: 17961
Ion Ratio Lower Upper
43 100
61 25.4 18.8 28.2
87 12.4 9.6 14.4

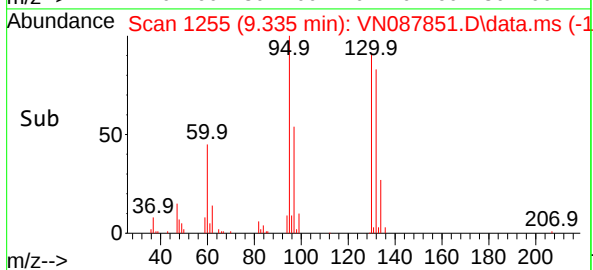
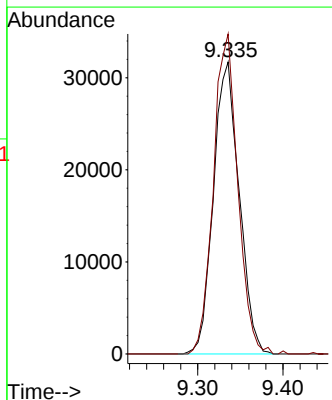
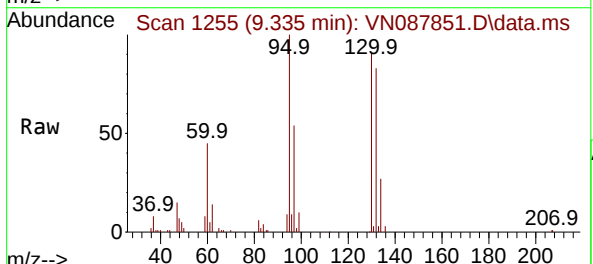
Manual Integrations
APPROVED

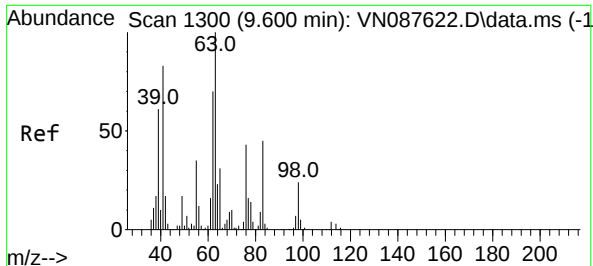
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#44
Trichloroethene
Concen: 19.807 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Tgt Ion:130 Resp: 66656
Ion Ratio Lower Upper
130 100
95 109.6 0.0 212.0





#45

1,2-Dichloropropane

Concen: 18.369 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tgt Ion: 63 Resp: 7136

Ion Ratio Lower Upper

63 100

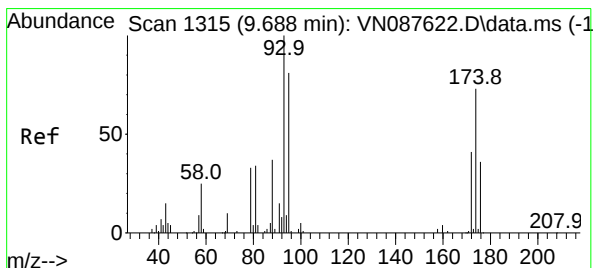
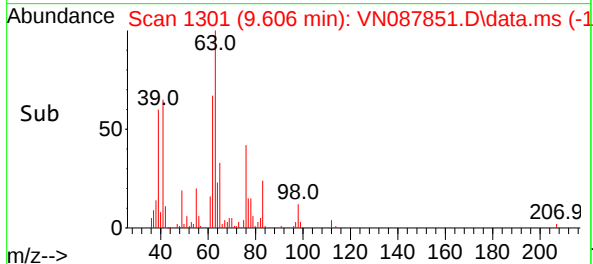
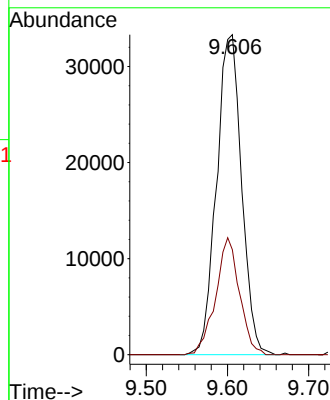
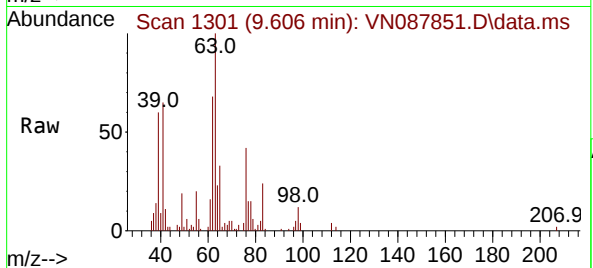
65 32.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#46

Dibromomethane

Concen: 19.408 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

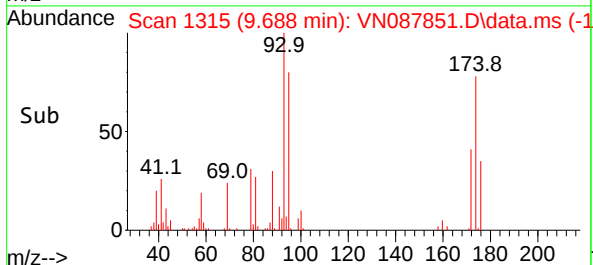
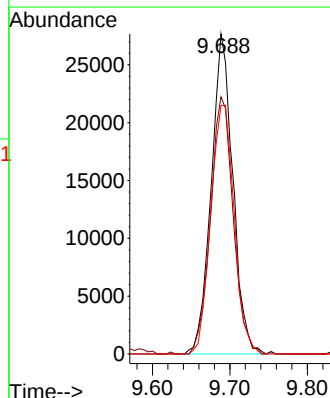
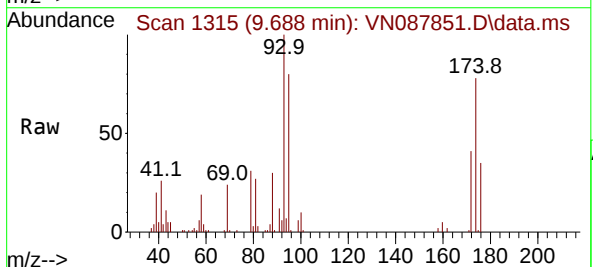
Tgt Ion: 93 Resp: 53658

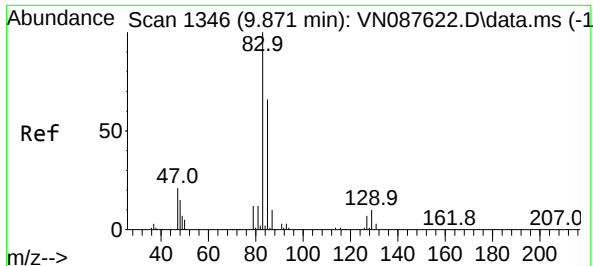
Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

174 84.1 63.4 95.2





#47

Bromodichloromethane

Concen: 19.160 ug/l

RT: 9.871 min Scan# 1346

Delta R.T. 0.000 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tgt Ion: 83 Resp: 108569

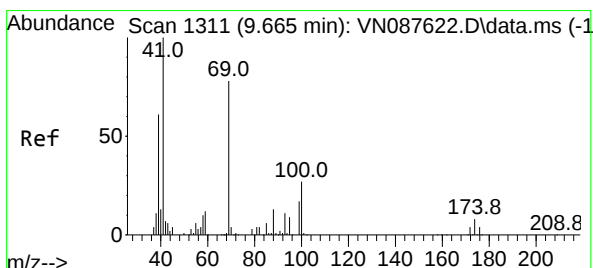
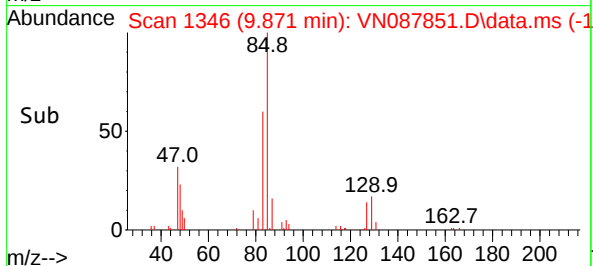
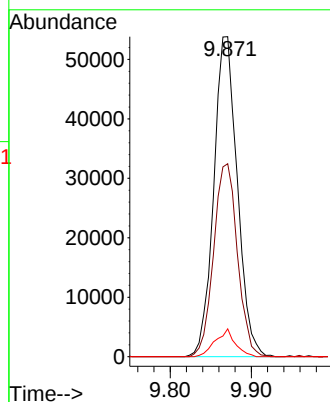
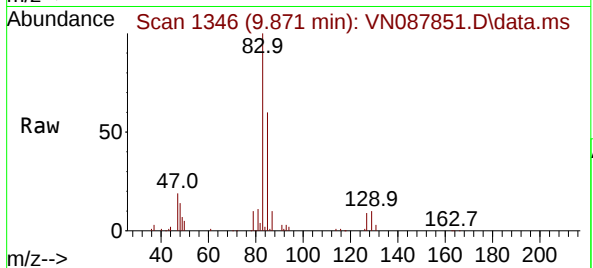
Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.5	78.7
127	8.7	5.8	8.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#48

Methyl methacrylate

Concen: 16.943 ug/l

RT: 9.665 min Scan# 1311

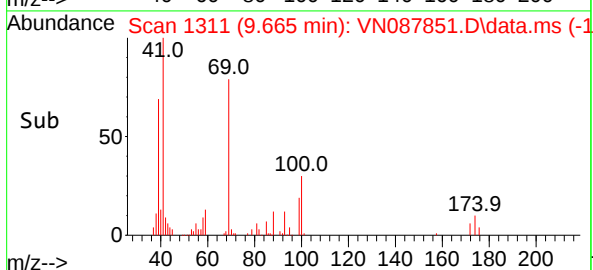
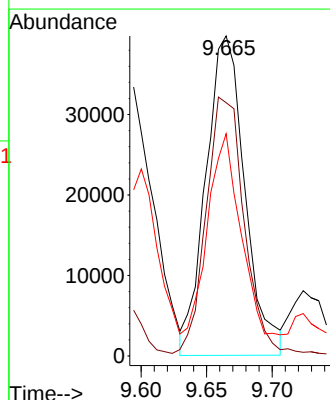
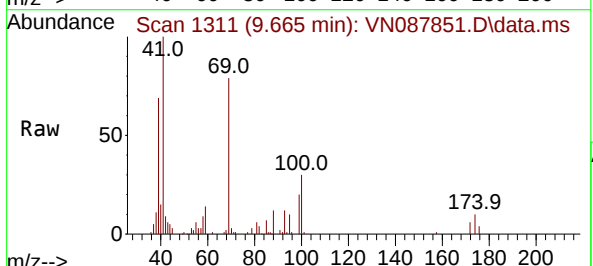
Delta R.T. 0.000 min

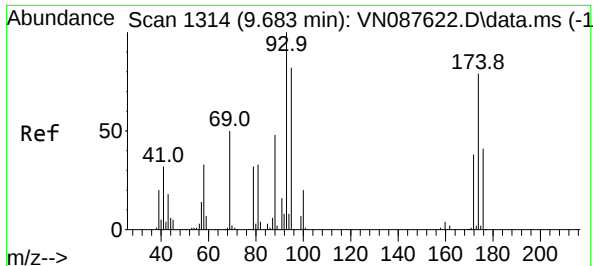
Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Tgt Ion: 41 Resp: 82168

Ion	Ratio	Lower	Upper
41	100		
69	80.7	62.7	94.1
39	64.7	52.9	79.3





#49

1,4-Dioxane

Concen: 349.128 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tgt Ion: 88 Resp: 2194

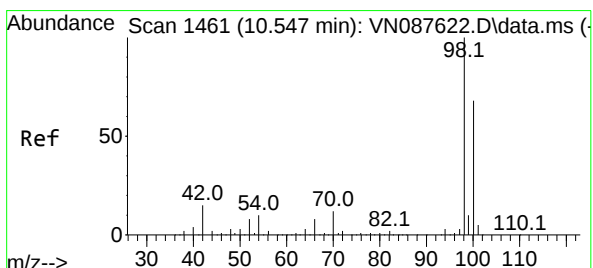
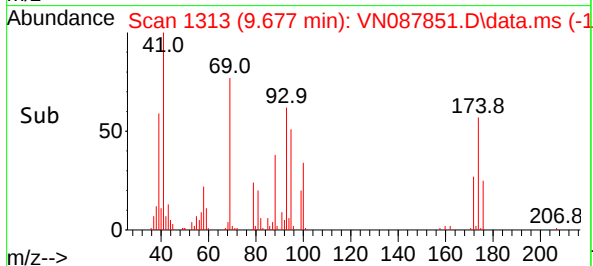
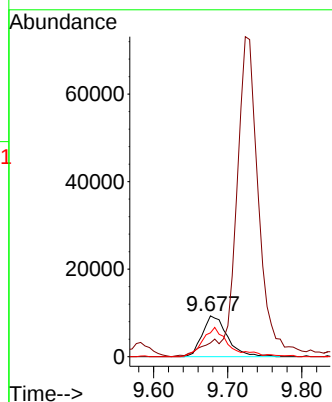
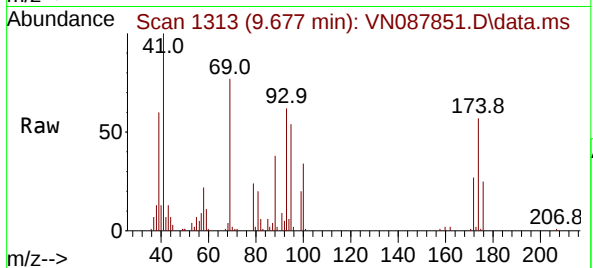
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	76.6	57.9	86.9

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#50

Toluene-d8

Concen: 45.597 ug/l

RT: 10.547 min Scan# 1461

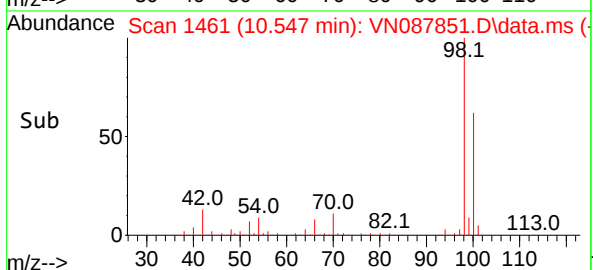
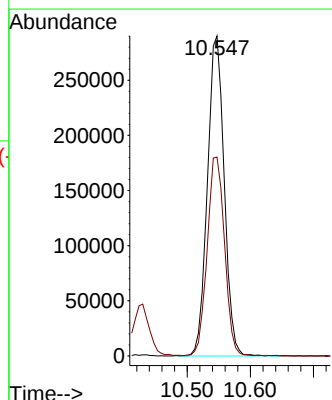
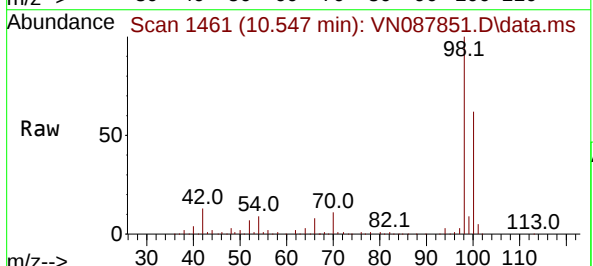
Delta R.T. 0.000 min

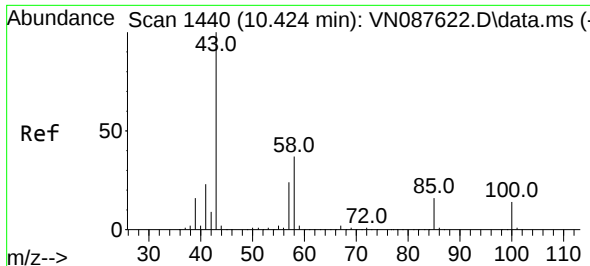
Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Tgt Ion: 98 Resp: 534604

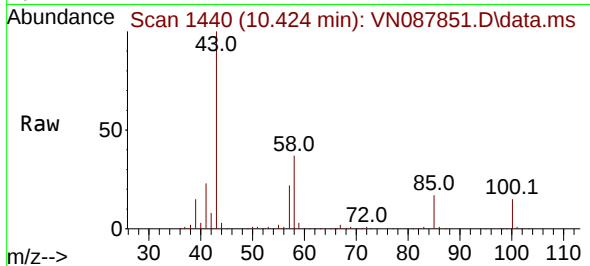
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2





#51
4-Methyl-2-Pentanone
Concen: 92.115 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

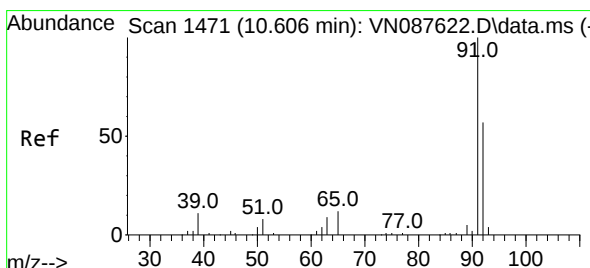
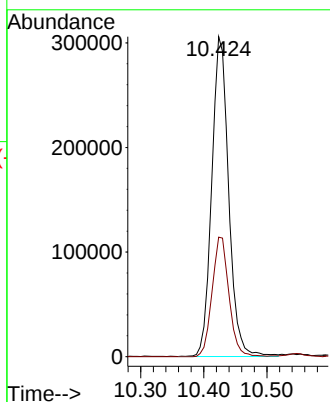
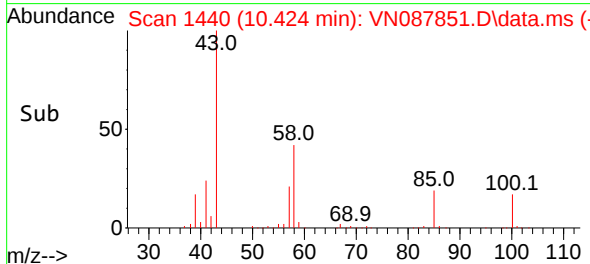
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



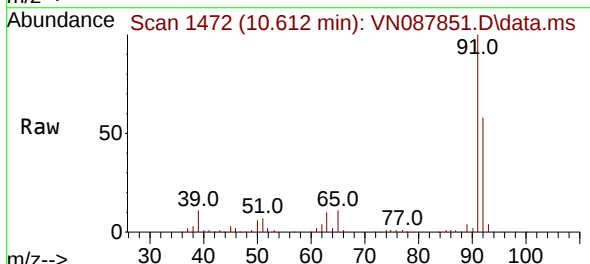
Tgt Ion: 43 Resp: 569808
Ion Ratio Lower Upper
43 100
58 37.2 29.6 44.4

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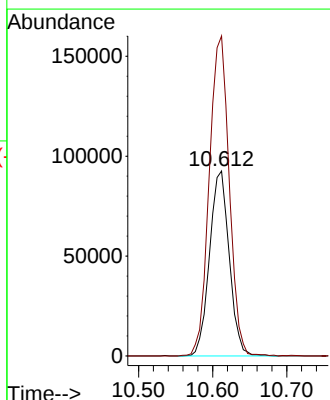
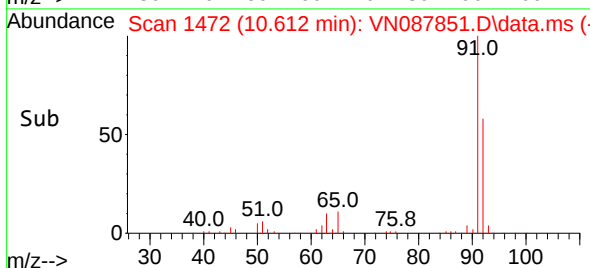
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

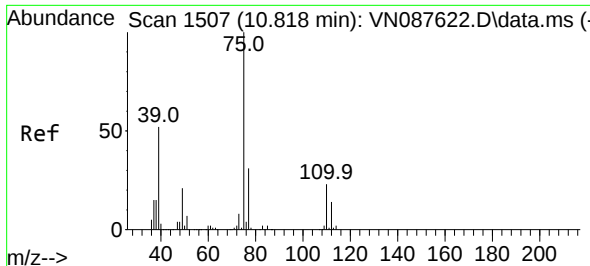


#52
Toluene
Concen: 18.684 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



Tgt Ion: 92 Resp: 170728
Ion Ratio Lower Upper
92 100
91 175.6 140.4 210.6





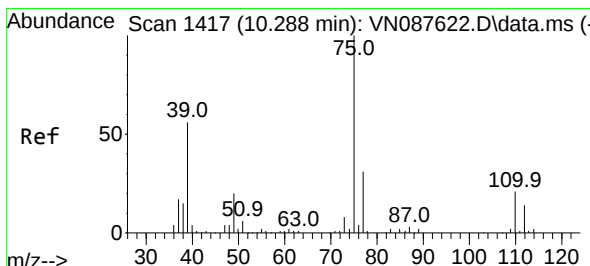
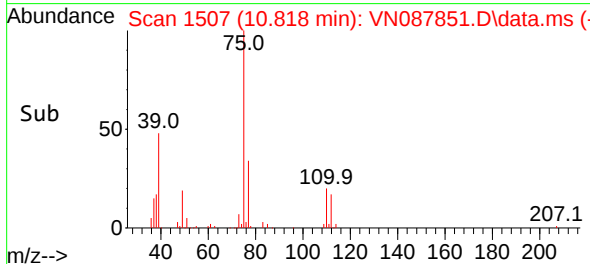
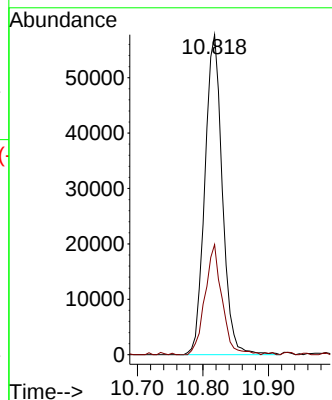
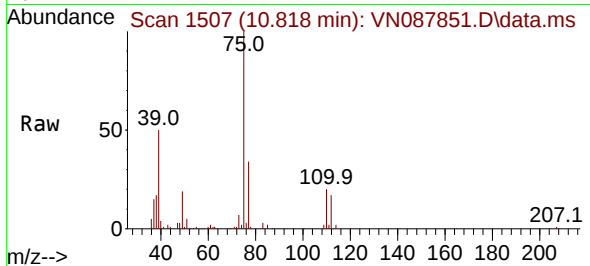
#53
t-1,3-Dichloropropene
Concen: 18.261 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tgt Ion: 75 Resp: 10710
Ion Ratio Lower Upper
75 100
77 34.4 25.2 37.8

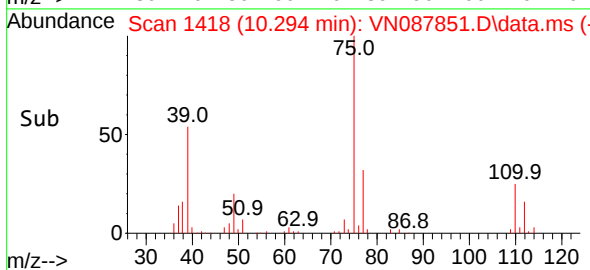
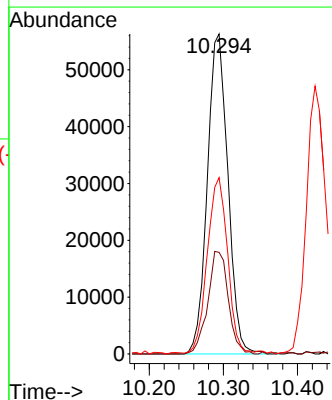
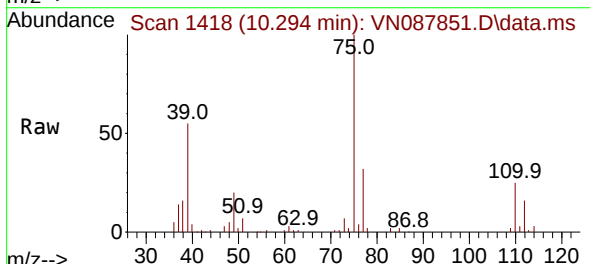
Manual Integrations
APPROVED

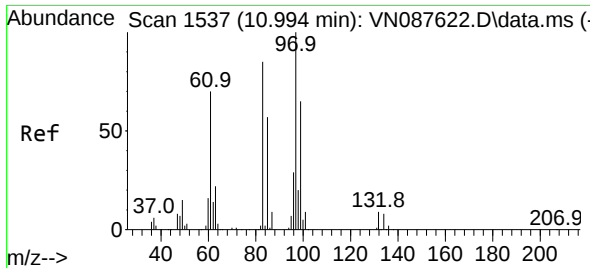
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#54
cis-1,3-Dichloropropene
Concen: 17.870 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Tgt Ion: 75 Resp: 108830
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0
39 54.8 45.2 67.8





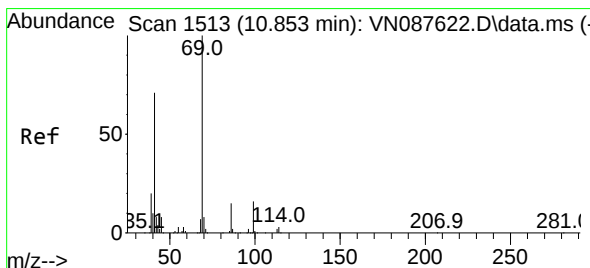
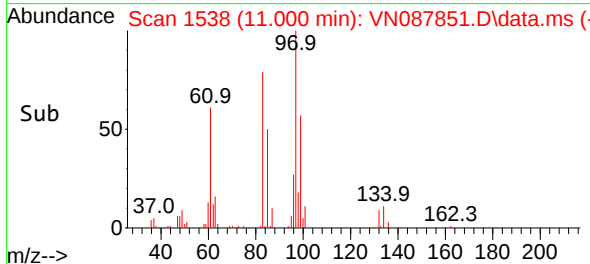
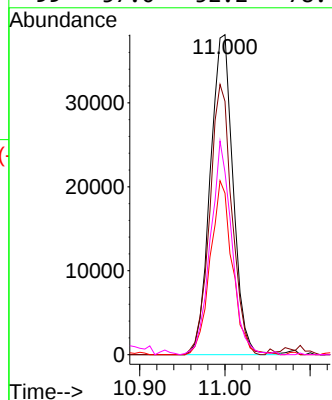
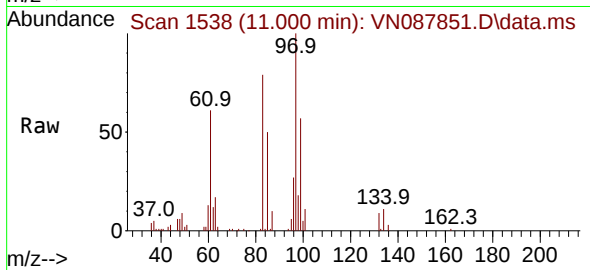
#55
1,1,2-Trichloroethane
Concen: 20.104 ug/l
RT: 11.000 min Scan# 1537
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tgt Ion:	97	Resp:	7106
Ion Ratio	100	Lower	Upper
97	100		
83	79.2	68.2	102.4
85	50.5	45.5	68.3
99	57.0	52.2	78.4

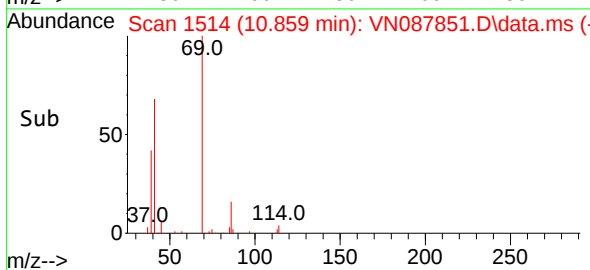
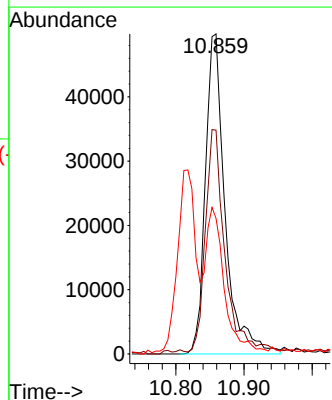
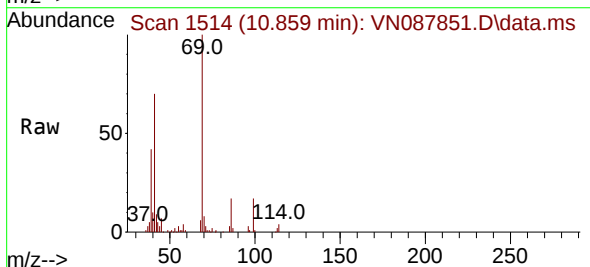
Manual Integrations
APPROVED

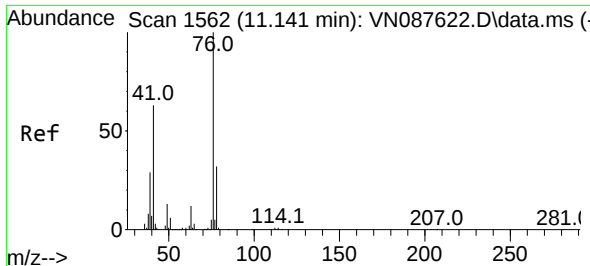
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#56
Ethyl methacrylate
Concen: 17.765 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Tgt Ion:	69	Resp:	100359
Ion Ratio	100	Lower	Upper
69	100		
41	68.5	56.5	84.7
39	42.5	34.2	51.4





#57

1,3-Dichloropropane

Concen: 19.031 ug/l

RT: 11.141 min Scan# 119059

Delta R.T. 0.000 min

Lab File: VN087851.D

Acq: 16 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tgt Ion: 76 Resp: 119059

Ion Ratio Lower Upper

76 100

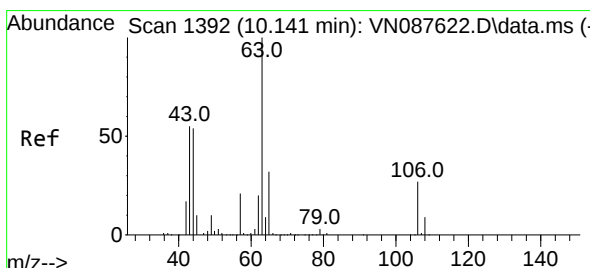
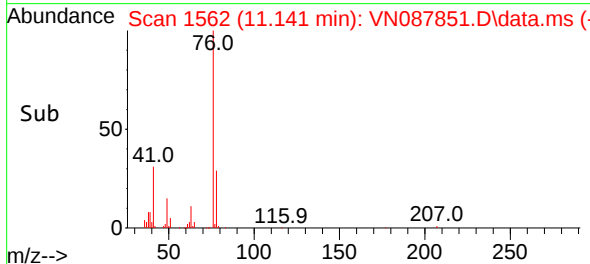
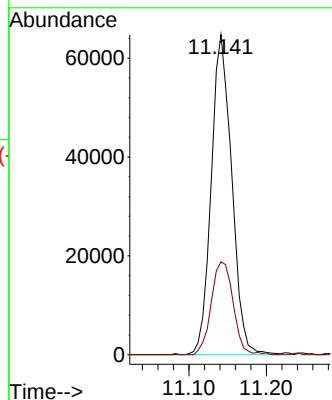
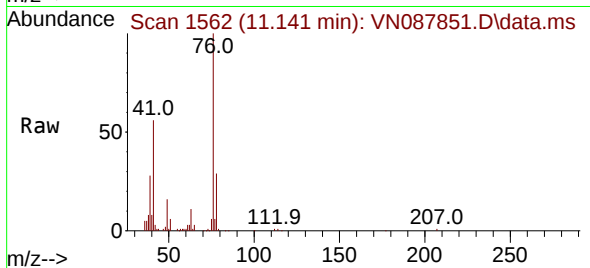
78 31.0 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#58

2-Chloroethyl Vinyl ether

Concen: 86.115 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VN087851.D

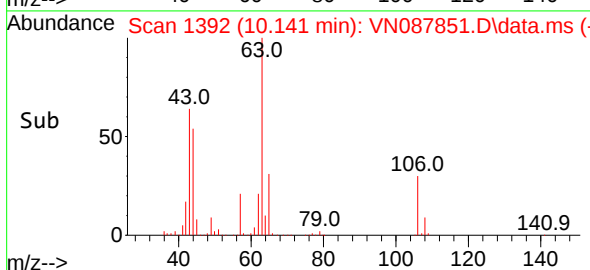
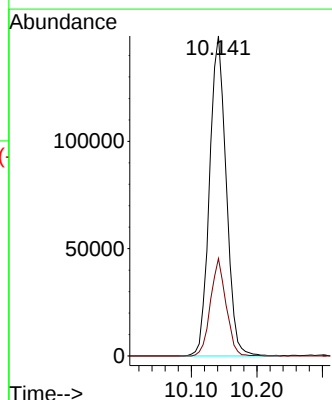
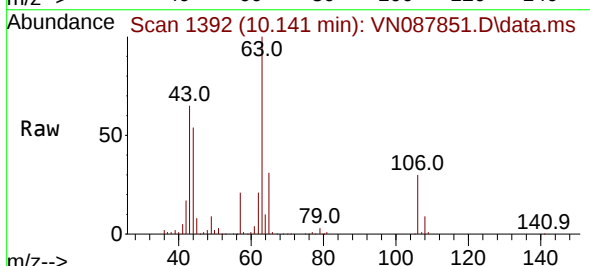
Acq: 16 Sep 2025 15:46

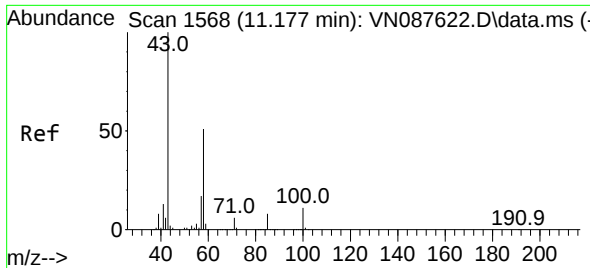
Tgt Ion: 63 Resp: 263312

Ion Ratio Lower Upper

63 100

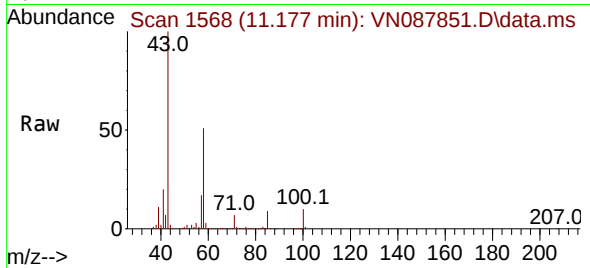
106 28.4 21.1 31.7





#59
2-Hexanone
Concen: 89.488 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

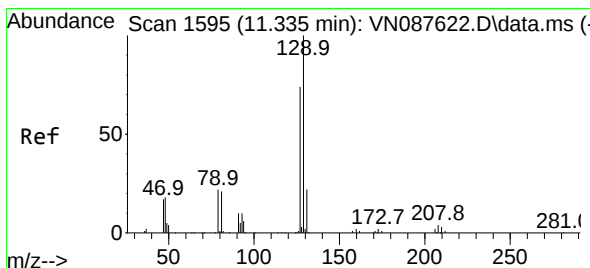
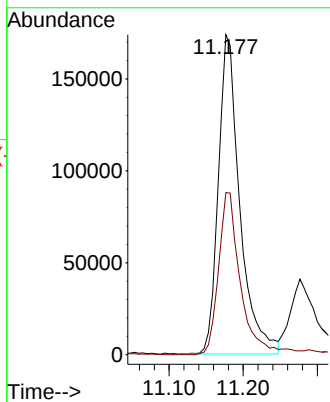
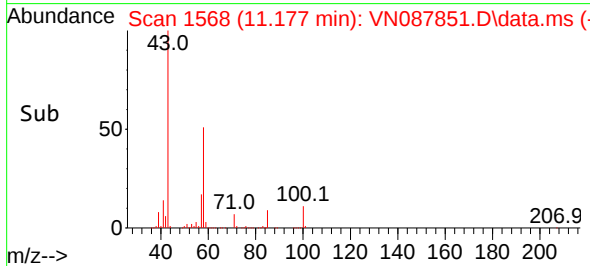
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



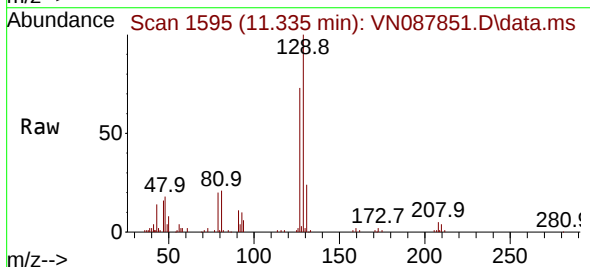
Tgt Ion: 43 Resp: 349848
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.8

Manual Integrations
APPROVED

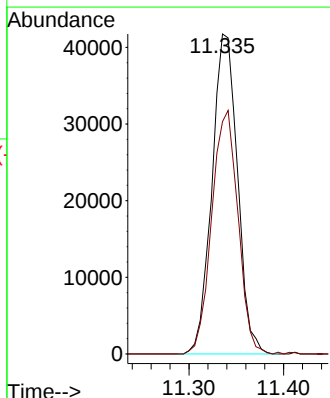
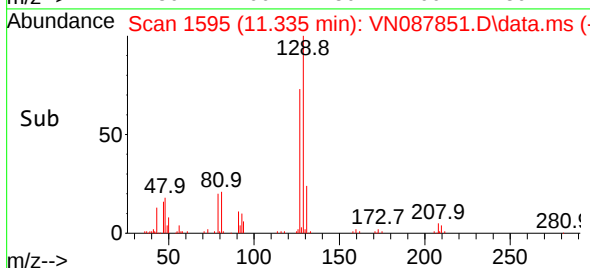
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

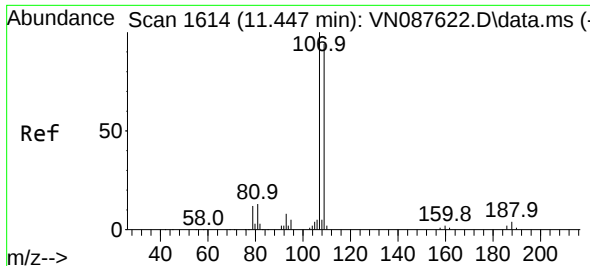


#60
Dibromochloromethane
Concen: 19.133 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



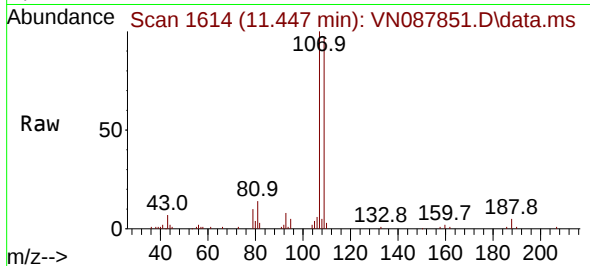
Tgt Ion:129 Resp: 78365
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3





#61
1,2-Dibromoethane
Concen: 18.625 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

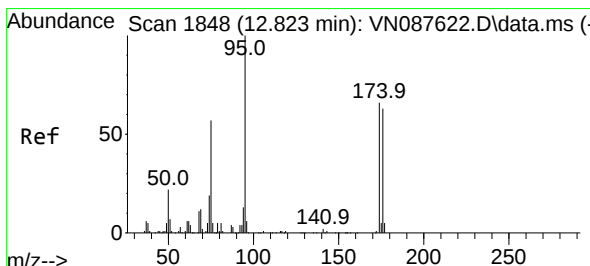
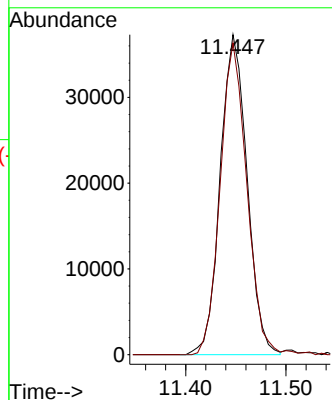
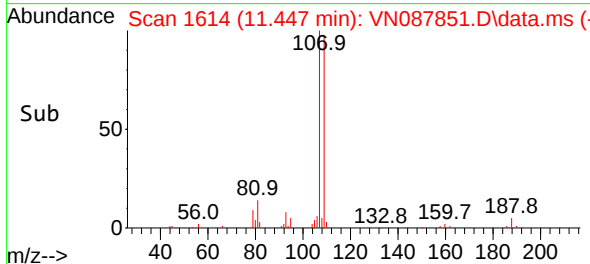
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



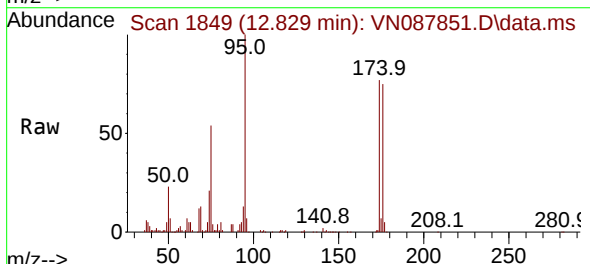
Tgt Ion:107 Resp: 69424
Ion Ratio Lower Upper
107 100
109 97.1 74.7 112.1

Manual Integrations
APPROVED

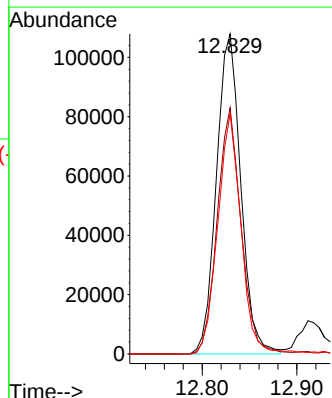
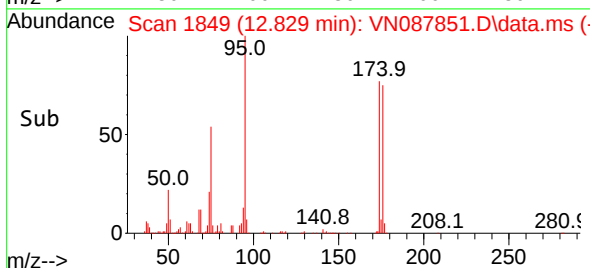
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

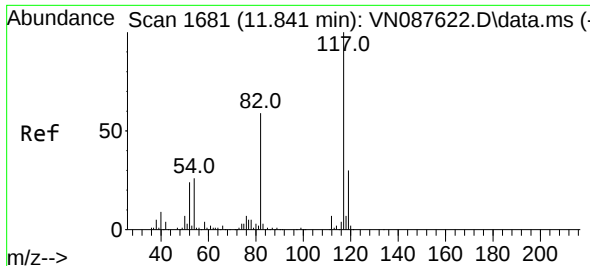


#62
4-Bromofluorobenzene
Concen: 46.356 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



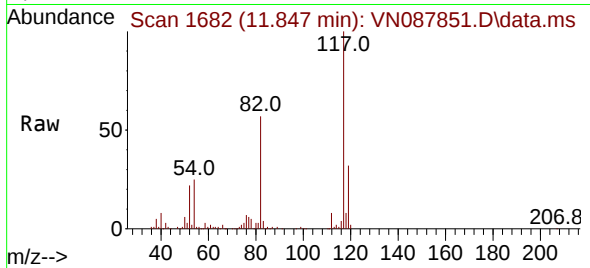
Tgt Ion: 95 Resp: 193287
Ion Ratio Lower Upper
95 100
174 75.0 0.0 138.4
176 71.6 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

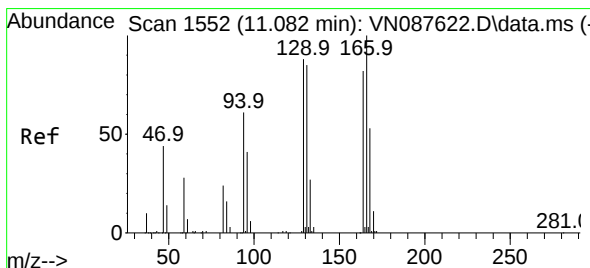
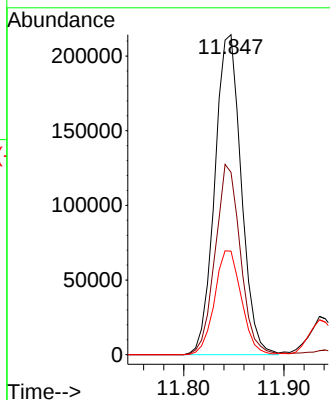
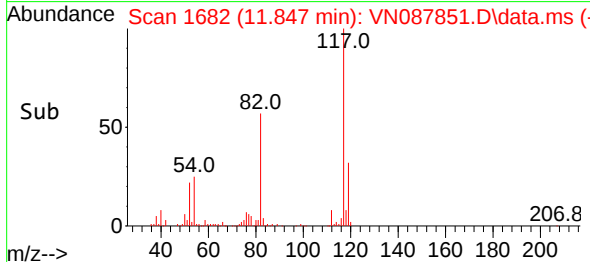
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



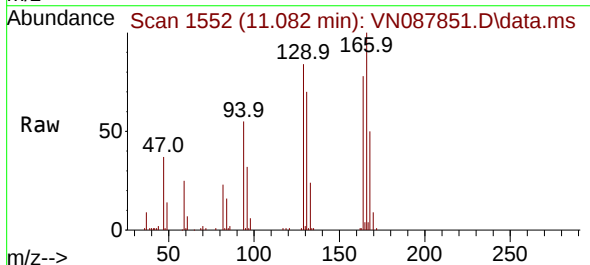
Tgt Ion:117 Resp: 392898
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 32.3 24.3 36.5

Manual Integrations
APPROVED

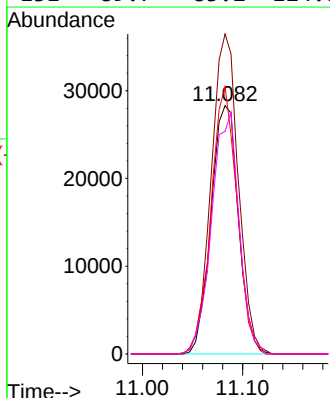
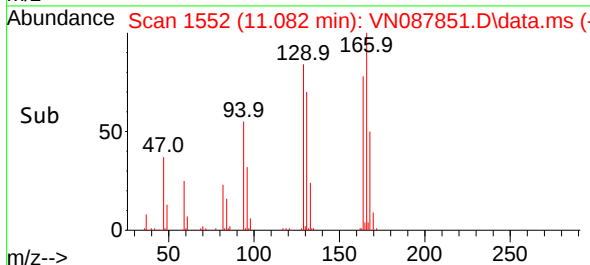
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

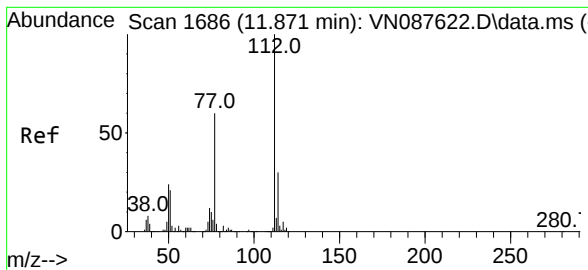


#64
Tetrachloroethene
Concen: 19.664 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



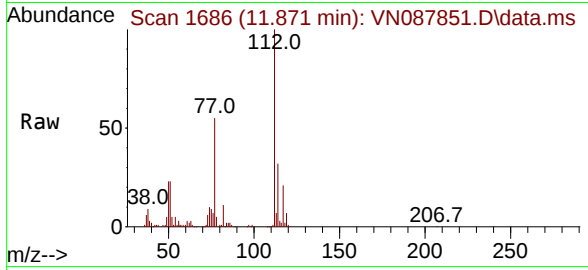
Tgt Ion:164 Resp: 53603
Ion Ratio Lower Upper
164 100
166 128.9 97.7 146.5
129 107.6 85.9 128.9
131 89.7 83.2 124.8





#65
Chlorobenzene
Concen: 18.988 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

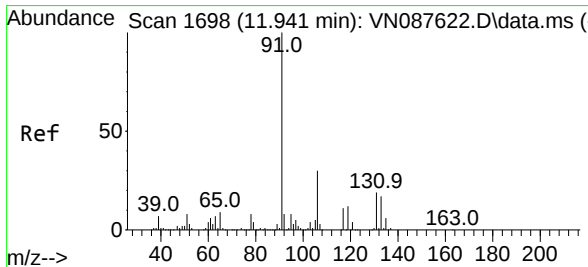
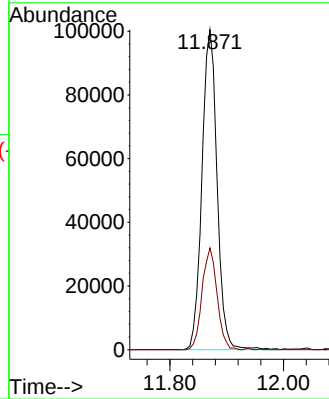
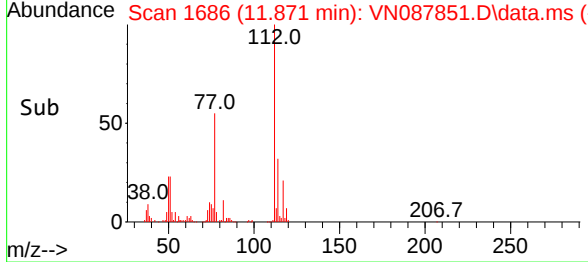
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



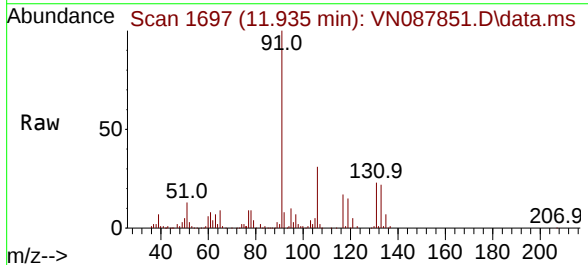
Tgt Ion:112 Resp: 185603
Ion Ratio Lower Upper
112 100
114 31.8 24.3 36.5

Manual Integrations
APPROVED

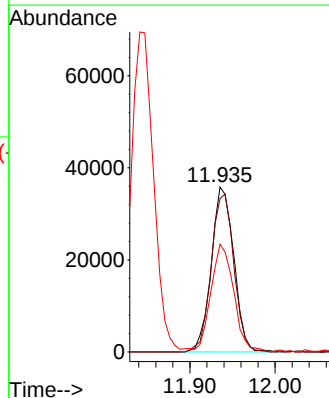
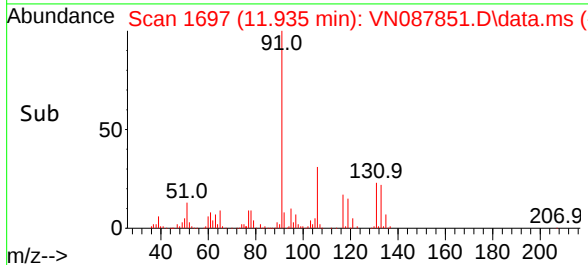
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

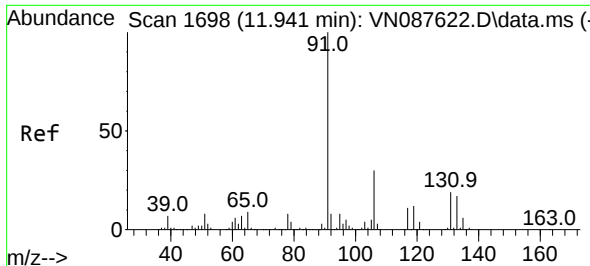


#66
1,1,1,2-Tetrachloroethane
Concen: 20.216 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



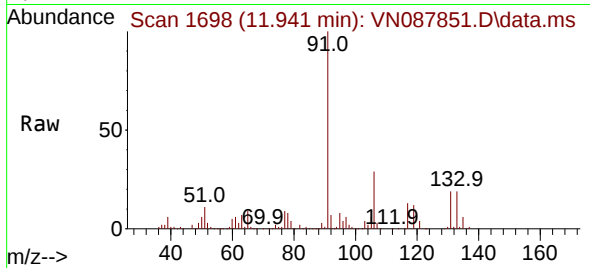
Tgt Ion:131 Resp: 65603
Ion Ratio Lower Upper
131 100
133 97.0 48.0 144.0
119 66.6 32.6 97.7





#67
Ethyl Benzene
Concen: 18.723 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

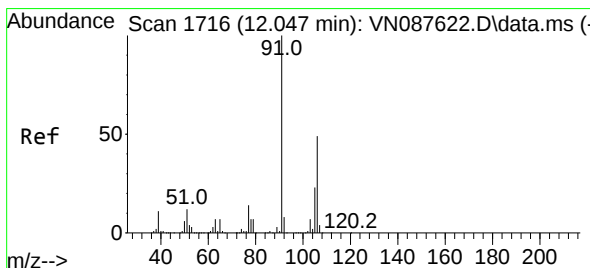
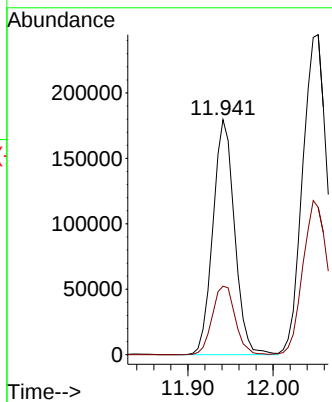
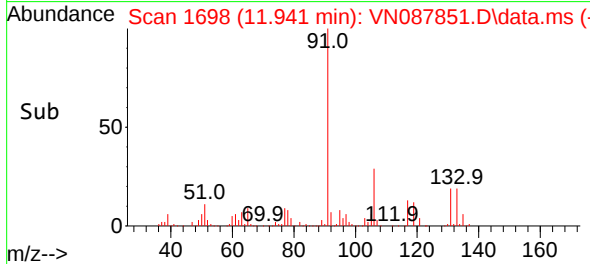
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion: 91 Resp: 31687
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1

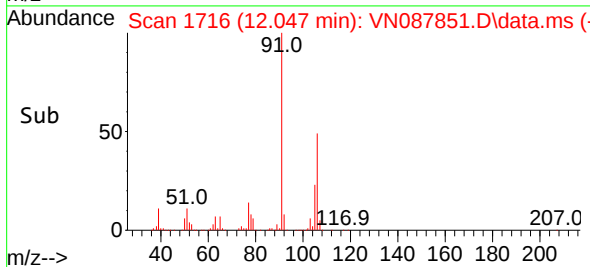
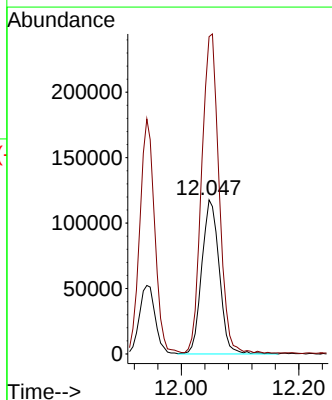
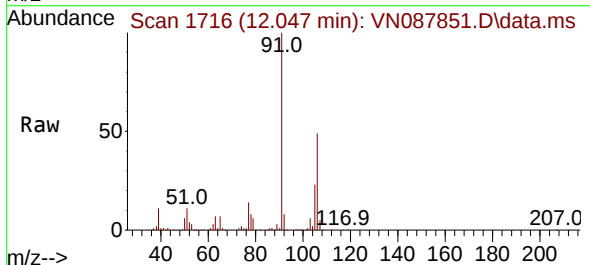
Manual Integrations
APPROVED

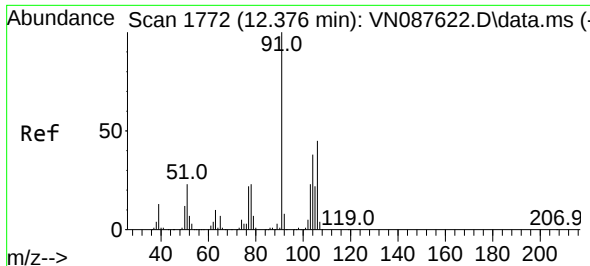
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#68
m/p-Xylenes
Concen: 39.158 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

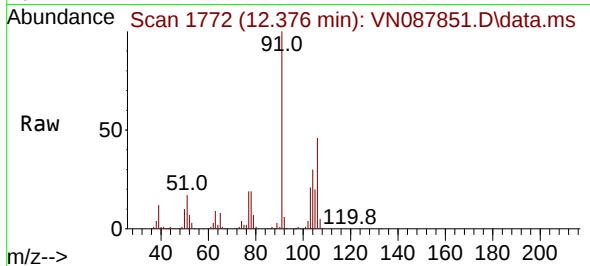
Tgt Ion:106 Resp: 243049
Ion Ratio Lower Upper
106 100
91 204.7 169.3 253.9





#69
o-Xylene
Concen: 19.462 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

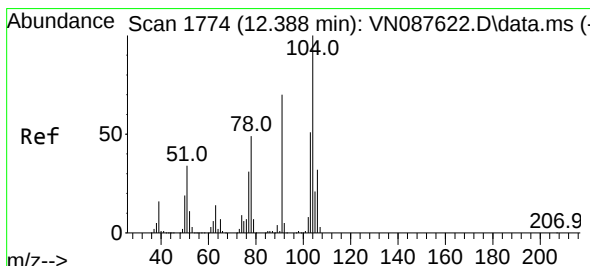
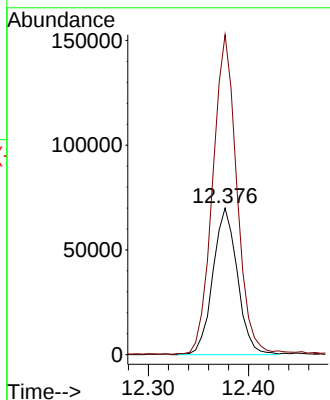
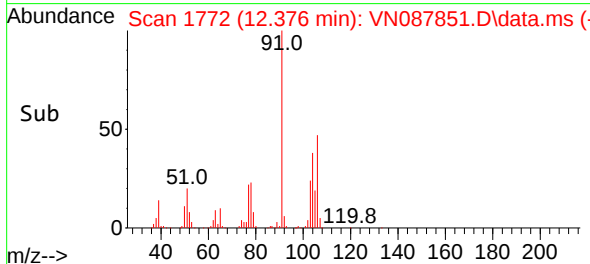
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



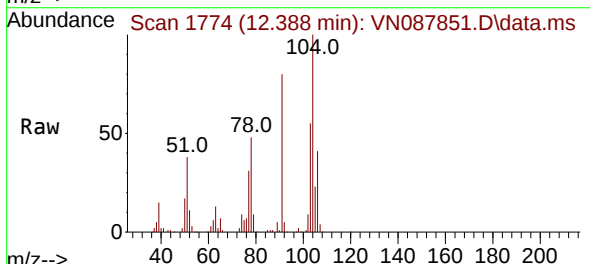
Tgt Ion:106 Resp: 118378
Ion Ratio Lower Upper
106 100
91 216.8 111.4 334.2

Manual Integrations
APPROVED

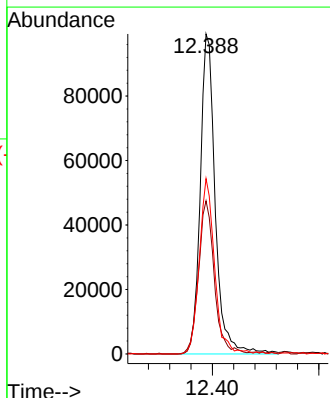
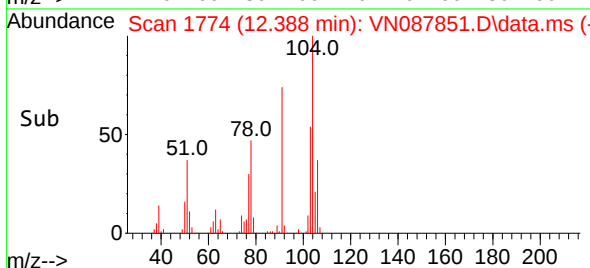
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

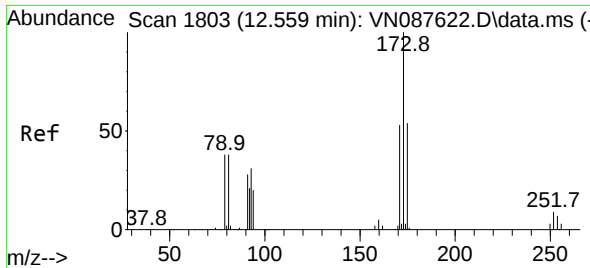


#70
Styrene
Concen: 19.023 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



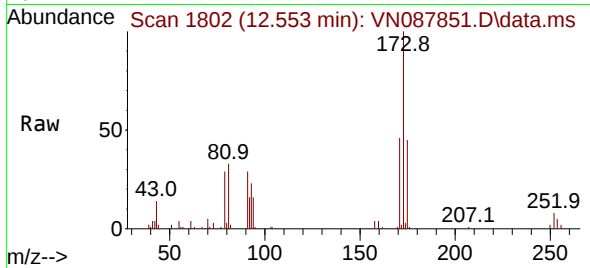
Tgt Ion:104 Resp: 193858
Ion Ratio Lower Upper
104 100
78 50.4 42.2 63.2
103 56.0 43.4 65.2





#71
Bromoform
Concen: 21.065 ug/l
RT: 12.553 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

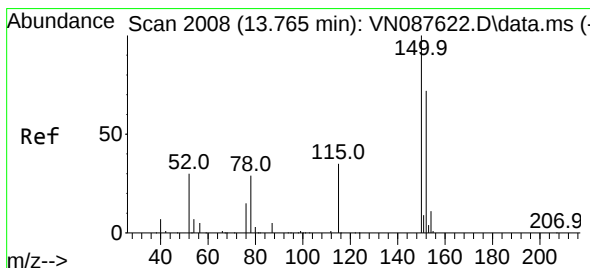
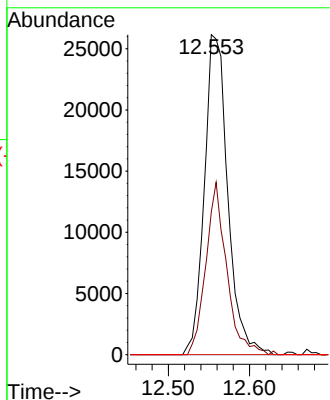
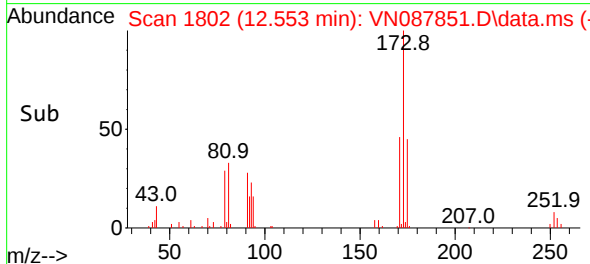
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



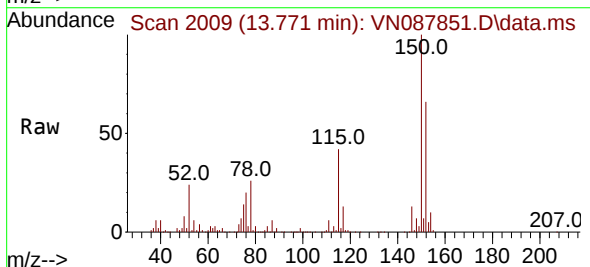
Tgt Ion:173 Resp: 52420
Ion Ratio Lower Upper
173 100
175 48.1 24.9 74.6
254 0.0 0.1 0.1

Manual Integrations
APPROVED

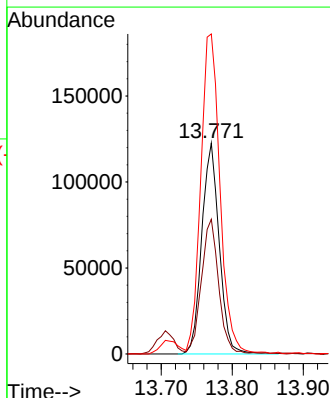
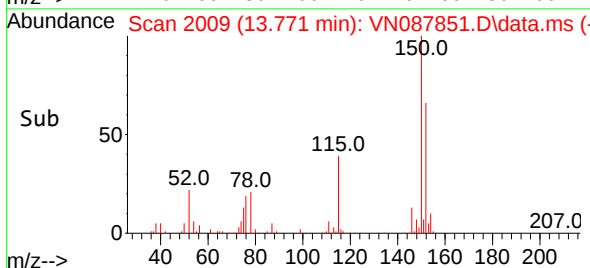
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

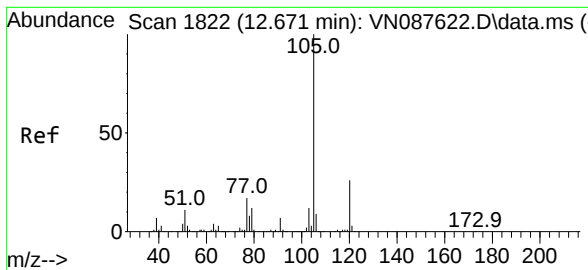


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



Tgt Ion:152 Resp: 209579
Ion Ratio Lower Upper
152 100
115 63.9 32.3 96.8
150 166.2 0.0 351.0





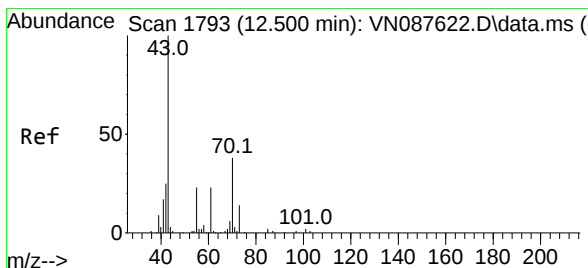
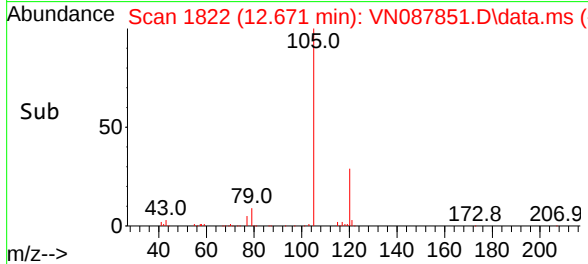
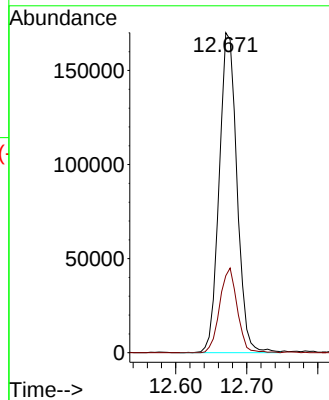
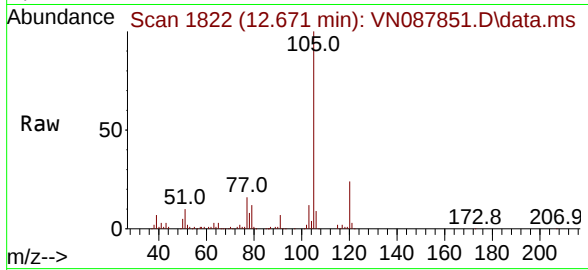
#73
Isopropylbenzene
Concen: 17.400 ug/l
RT: 12.671 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tgt Ion:105 Resp: 29466
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.3

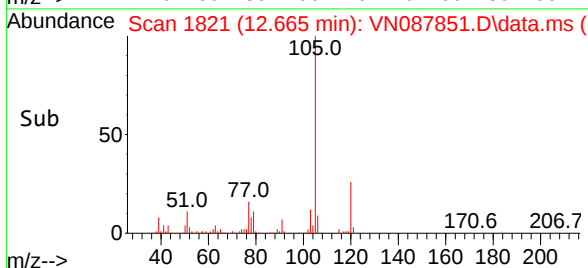
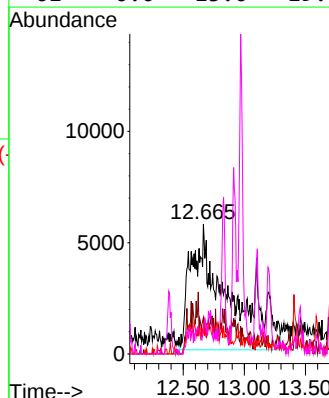
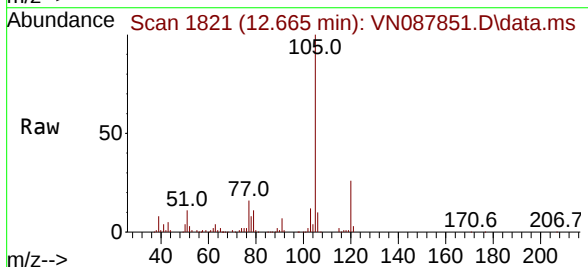
Manual Integrations
APPROVED

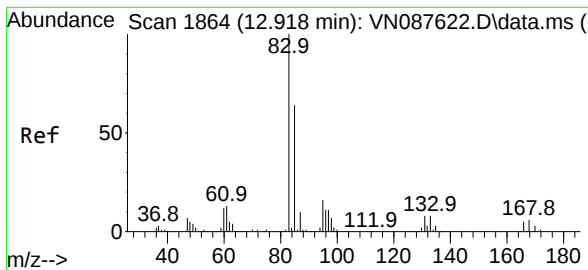
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#74
N-ethyl acetate
Concen: 18.975 ug/l m
RT: 12.665 min Scan# 1821
Delta R.T. 0.165 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

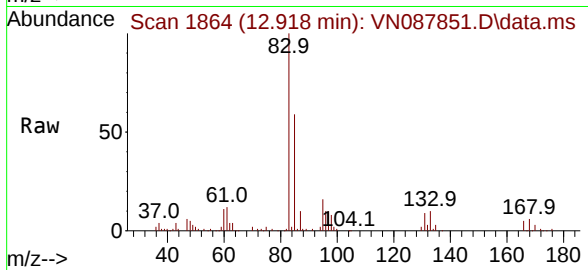
Tgt Ion: 43 Resp: 121778
Ion Ratio Lower Upper
43 100
70 2.1 27.6 41.4#
55 0.0 13.0 19.6#
61 0.0 13.0 19.6#





#75
1,1,2,2-Tetrachloroethane
Concen: 18.504 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

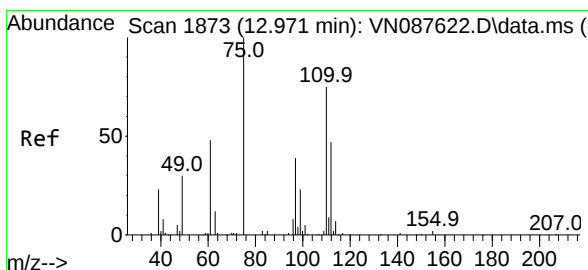
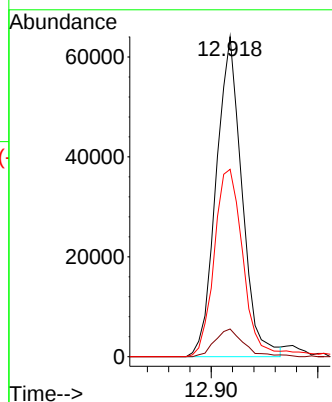
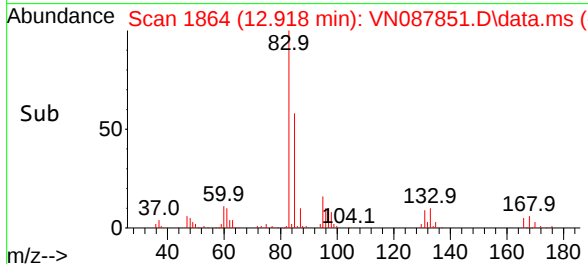
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



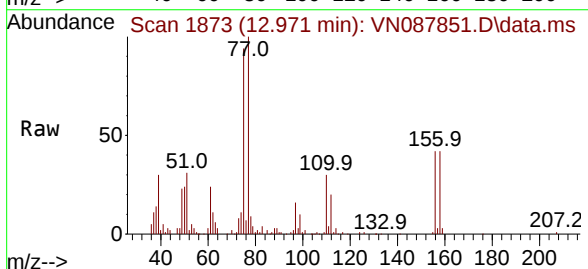
Tgt Ion: 83 Resp: 107892
Ion Ratio Lower Upper
83 100
131 9.8 4.8 14.4
85 66.7 32.1 96.3

Manual Integrations
APPROVED

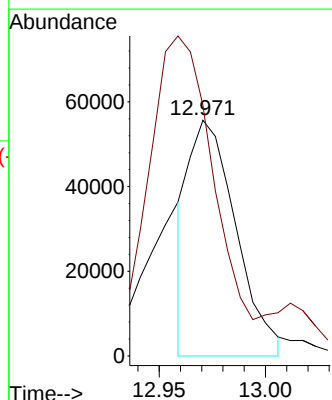
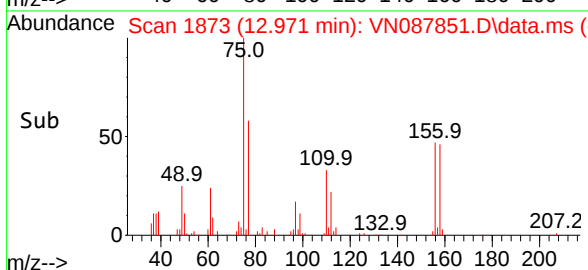
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

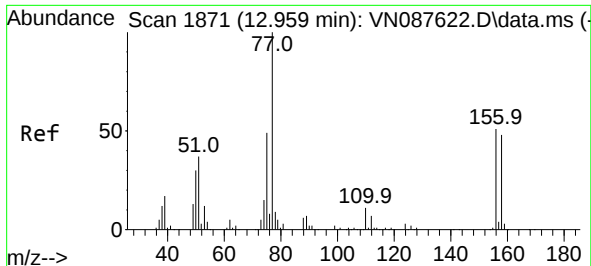


#76
1,2,3-Trichloropropane
Concen: 17.595 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



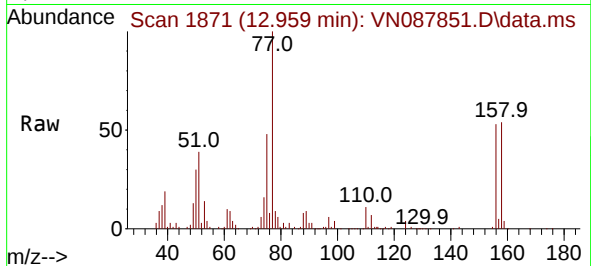
Tgt Ion: 75 Resp: 86475
Ion Ratio Lower Upper
75 100
77 194.2 89.1 267.4





#77
Bromobenzene
Concen: 18.936 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

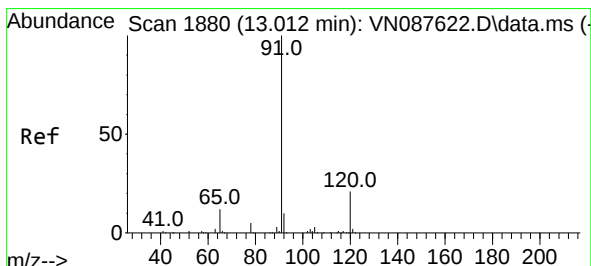
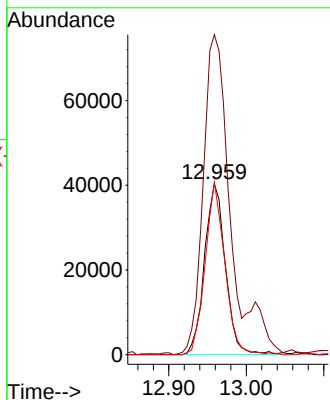
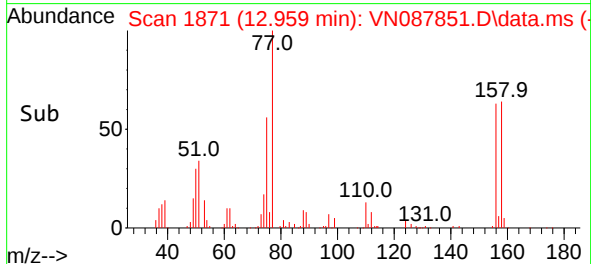
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion:156 Resp: 75614
Ion Ratio Lower Upper
156 100
77 222.1 119.3 358.0
158 95.2 48.2 144.6

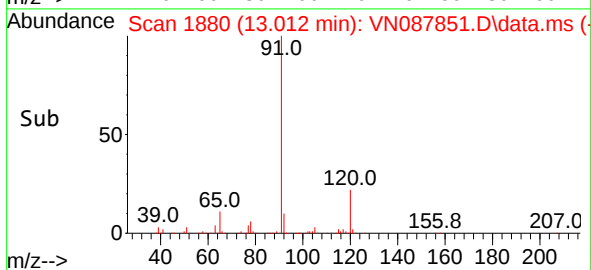
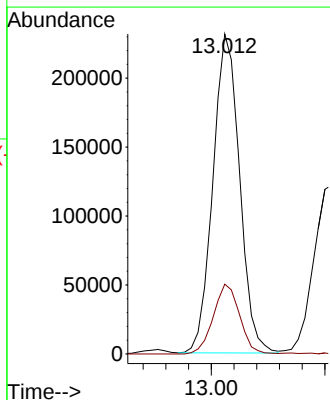
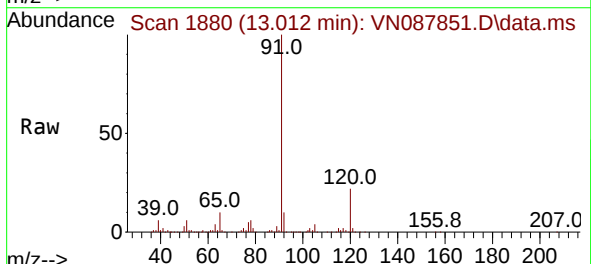
Manual Integrations
APPROVED

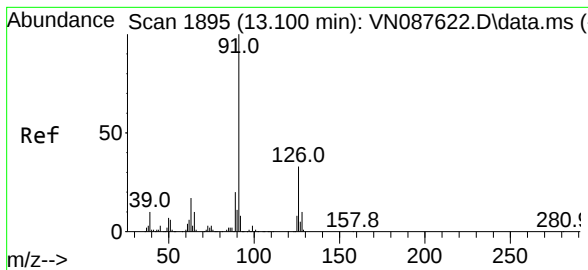
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78
n-propylbenzene
Concen: 18.089 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

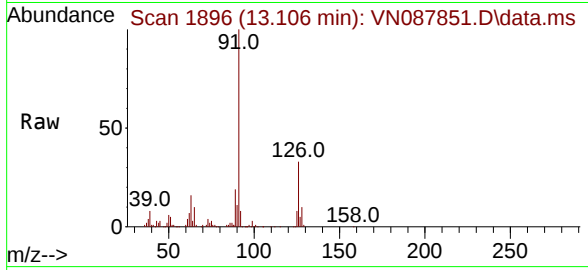
Tgt Ion: 91 Resp: 377345
Ion Ratio Lower Upper
91 100
120 21.5 10.7 32.1





#79
2-Chlorotoluene
Concen: 17.397 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

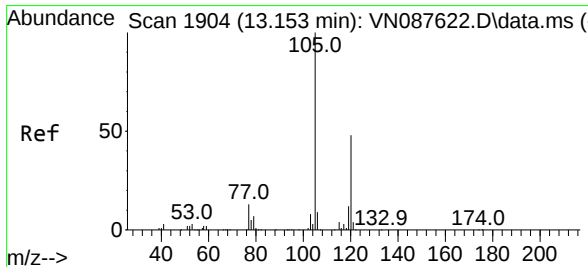
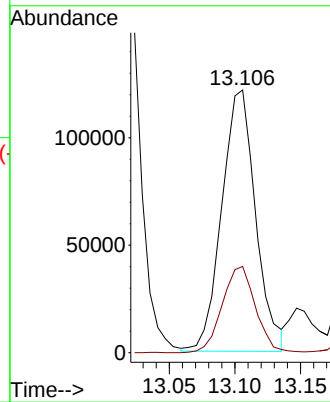
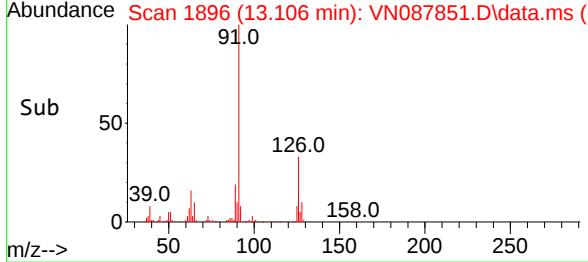
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



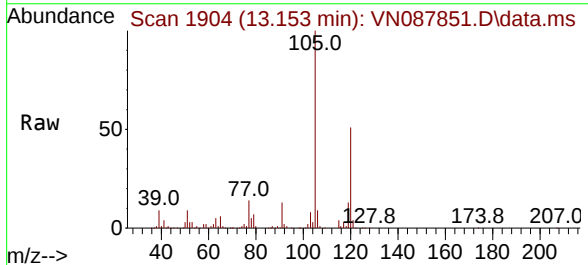
Tgt Ion: 91 Resp: 21838
Ion Ratio Lower Upper
91 100
126 32.4 16.1 48.3

Manual Integrations
APPROVED

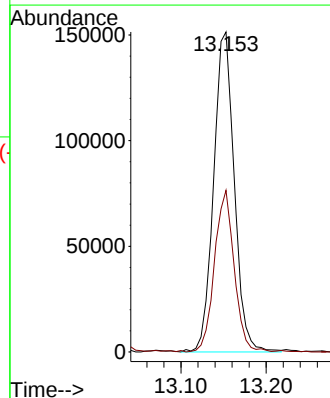
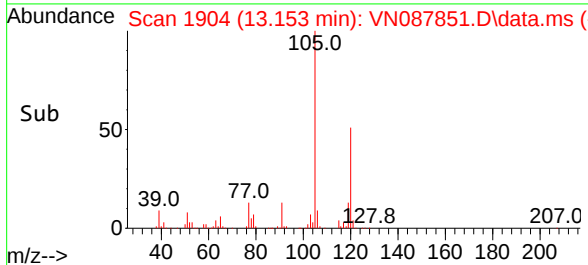
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

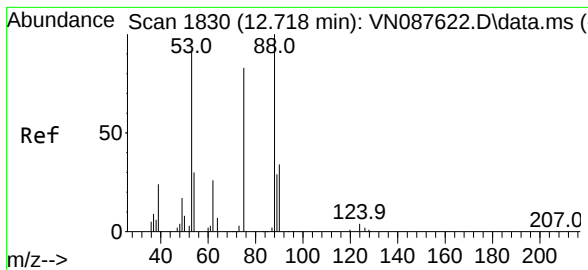


#80
1,3,5-Trimethylbenzene
Concen: 17.787 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



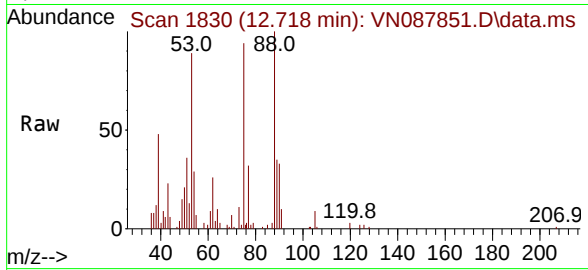
Tgt Ion:105 Resp: 255538
Ion Ratio Lower Upper
105 100
120 48.2 23.2 69.6





#81
trans-1,4-Dichloro-2-butene
Concen: 15.861 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

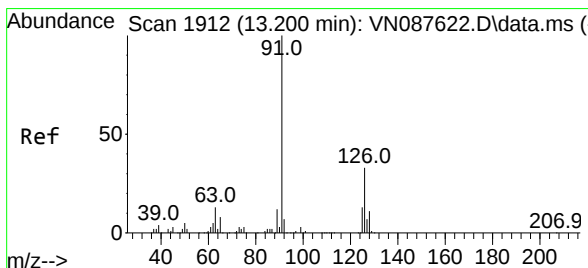
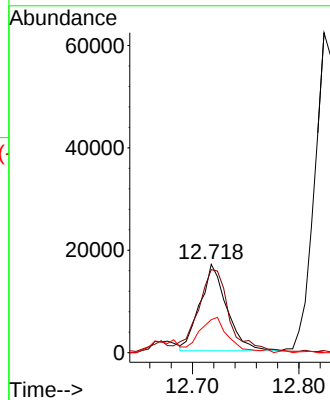
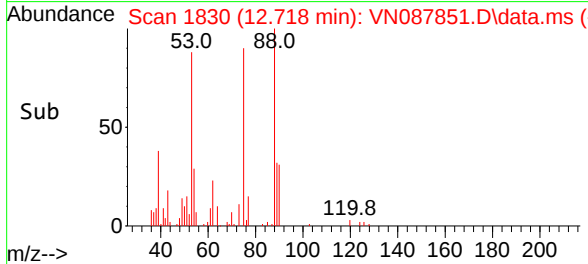
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion: 75 Resp: 29440
Ion Ratio Lower Upper
75 100
53 110.5 101.8 152.6
89 44.5 35.6 53.4

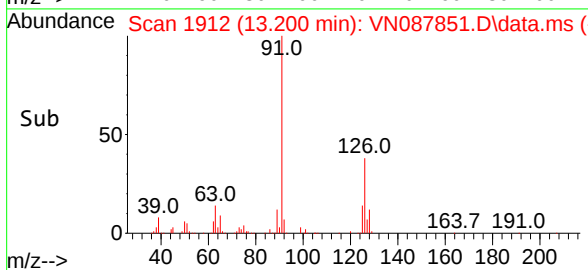
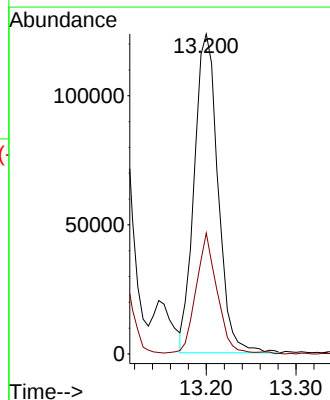
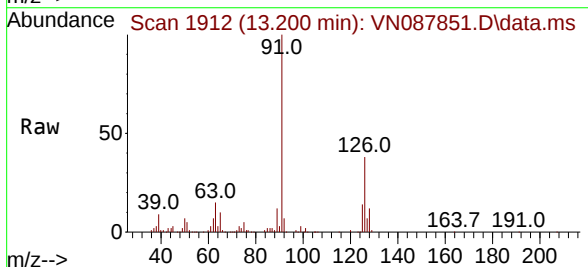
Manual Integrations
APPROVED

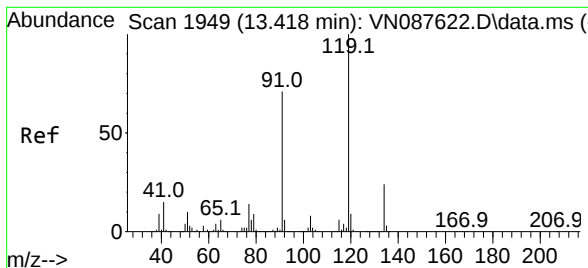
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#82
4-Chlorotoluene
Concen: 17.200 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

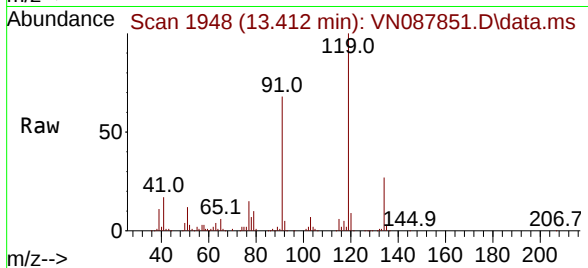
Tgt Ion: 91 Resp: 227013
Ion Ratio Lower Upper
91 100
126 32.9 15.6 46.8





#83
 tert-Butylbenzene
 Concen: 18.468 ug/l
 RT: 13.412 min Scan# 1948
 Delta R.T. -0.006 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46

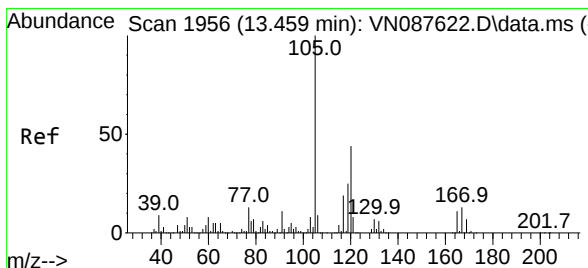
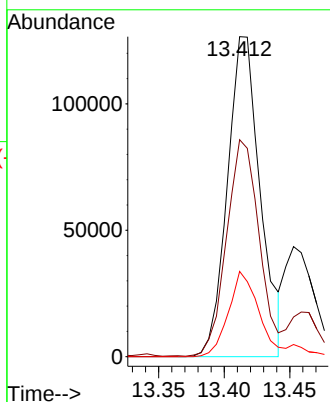
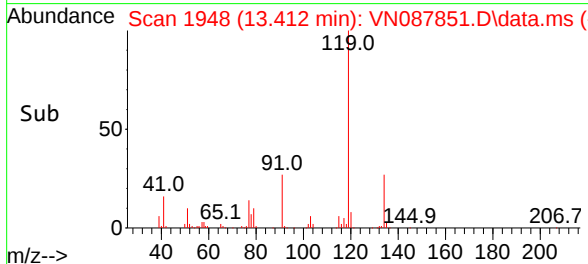
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01



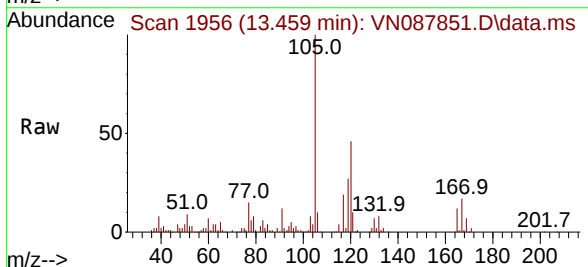
Tgt Ion:119 Resp: 221104
 Ion Ratio Lower Upper
 119 100
 91 66.8 35.0 105.0
 134 24.7 12.6 37.8

Manual Integrations
 APPROVED

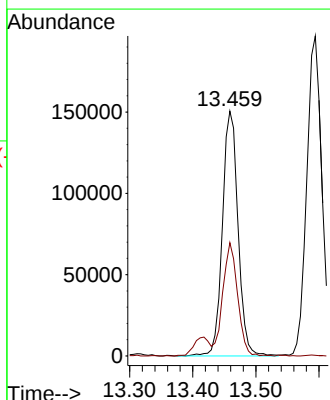
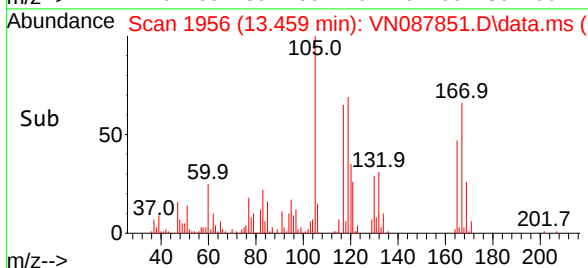
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025

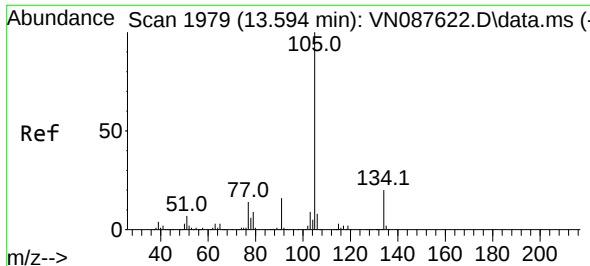


#84
 1,2,4-Trimethylbenzene
 Concen: 18.018 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46



Tgt Ion:105 Resp: 259126
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.0 66.0





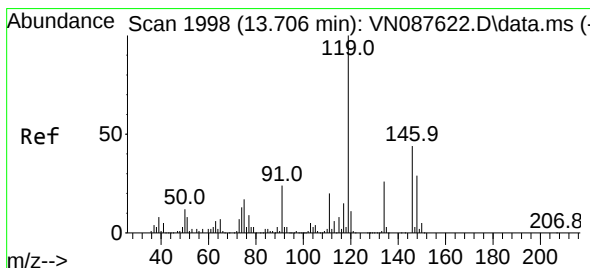
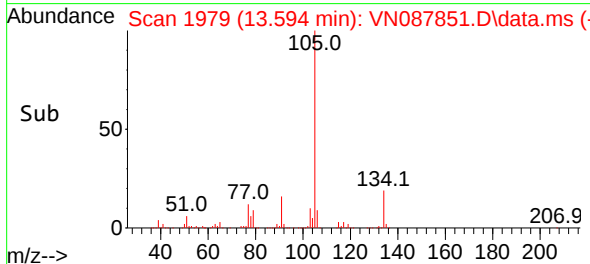
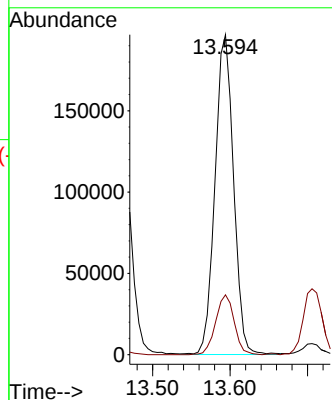
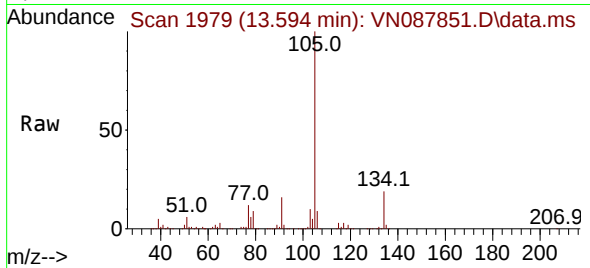
#85
 sec-Butylbenzene
 Concen: 18.404 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Tgt Ion:105 Resp: 326968
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.6 28.6

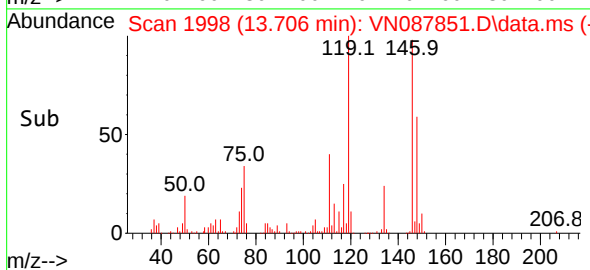
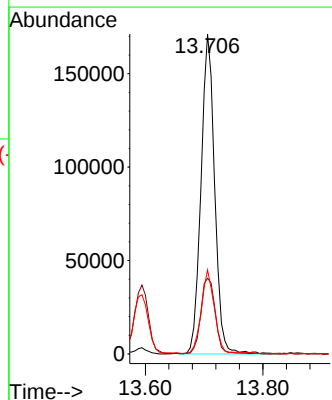
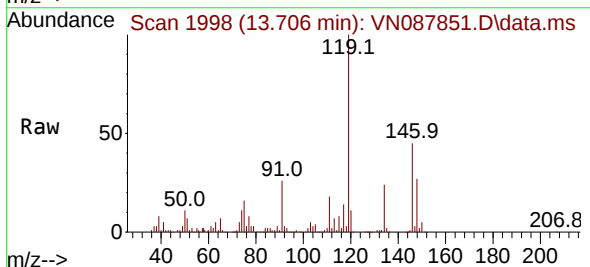
Manual Integrations
 APPROVED

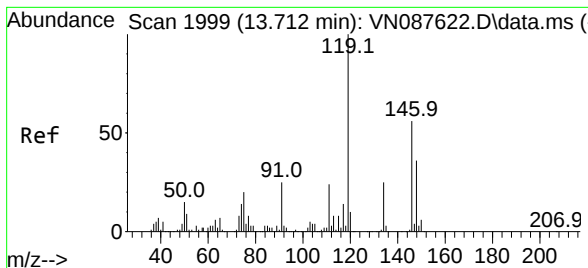
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#86
 p-Isopropyltoluene
 Concen: 18.851 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087851.D
 Acq: 16 Sep 2025 15:46

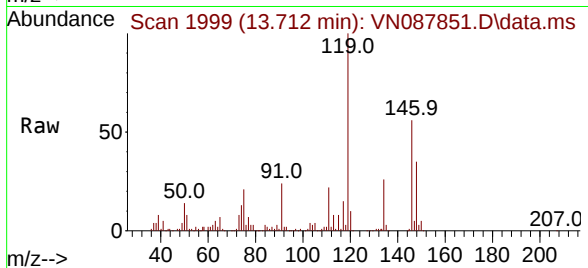
Tgt Ion:119 Resp: 276556
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.7 38.0
 91 24.7 12.5 37.5





#87
1,3-Dichlorobenzene
Concen: 18.795 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

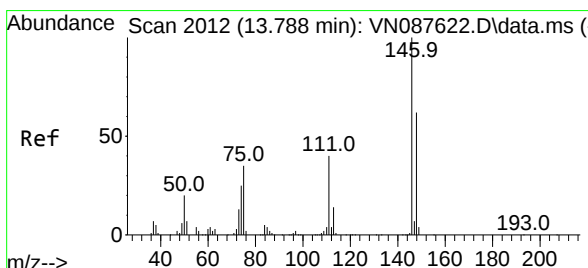
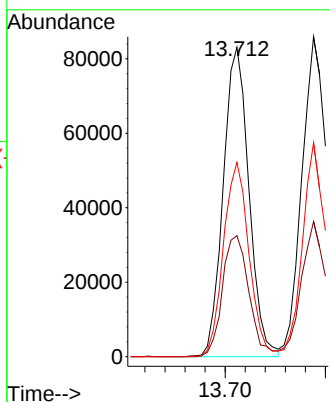
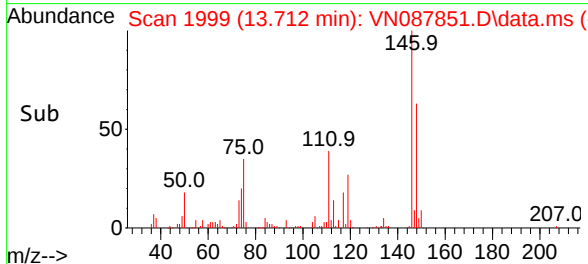
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



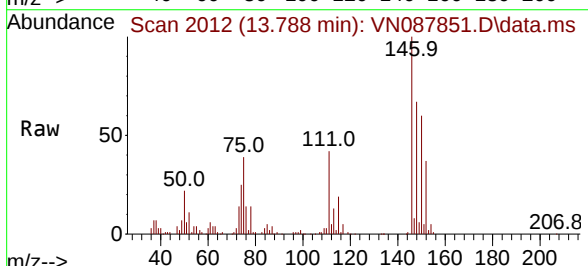
Tgt Ion:146 Resp: 147792
Ion Ratio Lower Upper
146 100
111 40.1 22.1 66.5
148 62.5 32.0 96.2

Manual Integrations
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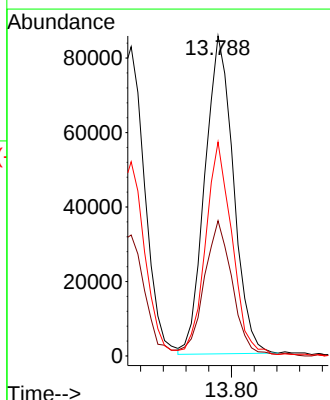
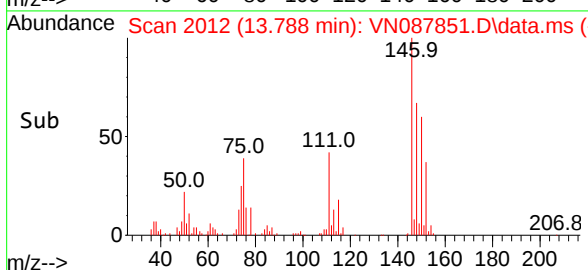
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

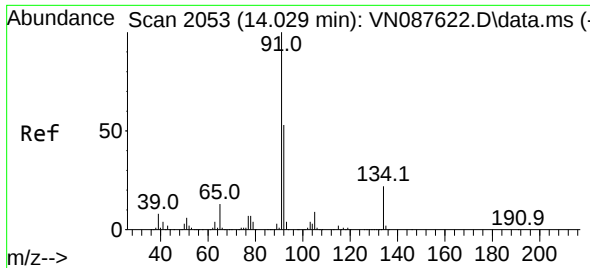


#88
1,4-Dichlorobenzene
Concen: 18.189 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



Tgt Ion:146 Resp: 148845
Ion Ratio Lower Upper
146 100
111 41.3 21.0 63.0
148 62.1 32.0 96.0





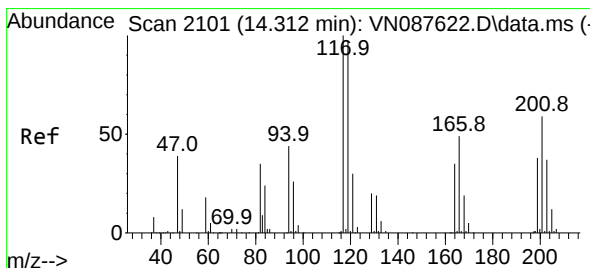
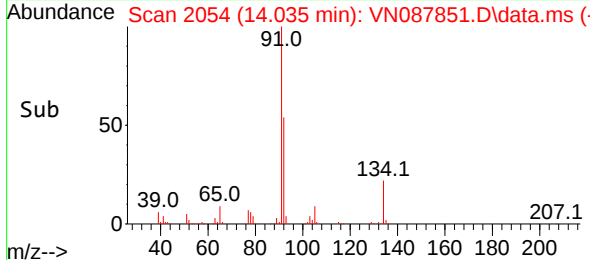
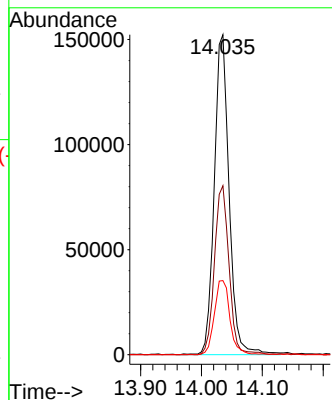
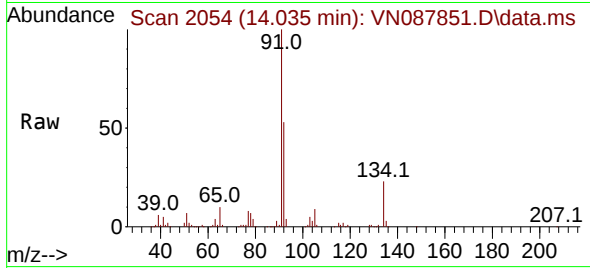
#89
n-Butylbenzene
Concen: 17.694 ug/l
RT: 14.035 min Scan# 2053
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tgt Ion: 91 Resp: 257800
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.8
134 24.3 11.7 35.0

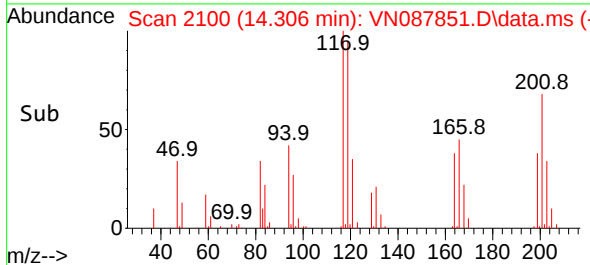
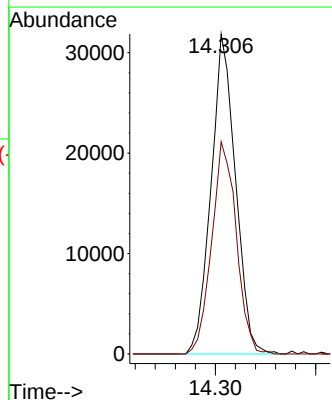
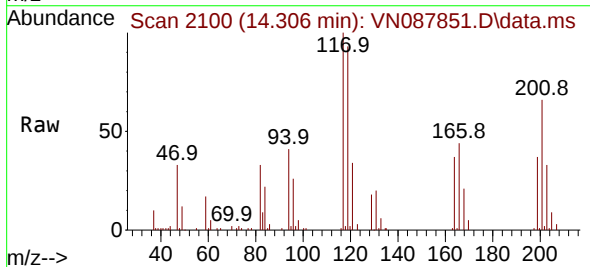
Manual Integrations
APPROVED

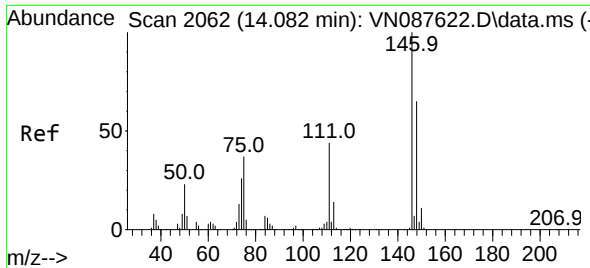
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#90
Hexachloroethane
Concen: 19.275 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Tgt Ion:117 Resp: 53872
Ion Ratio Lower Upper
117 100
201 66.9 29.1 87.4





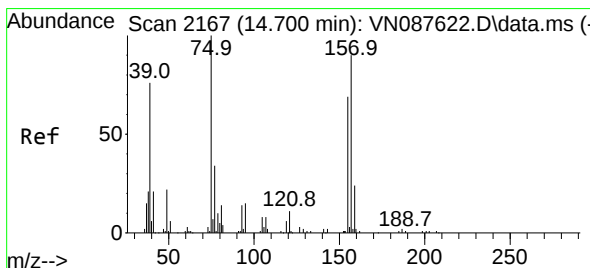
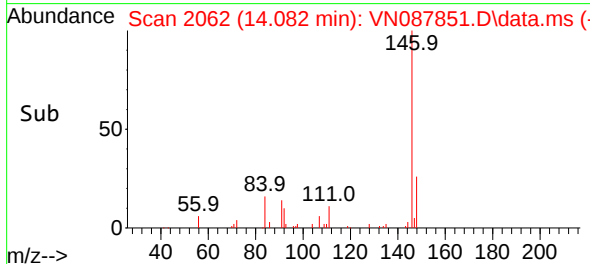
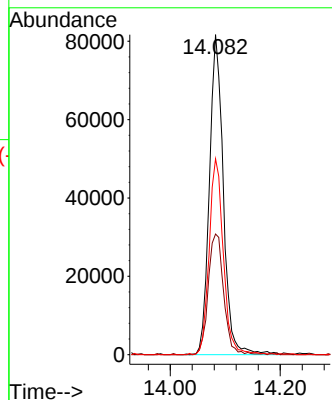
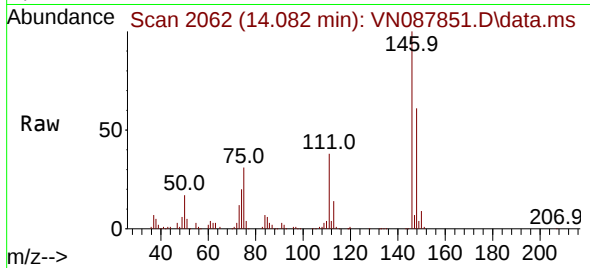
#91
1,2-Dichlorobenzene
Concen: 19.253 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tgt Ion:146 Resp: 143628
Ion Ratio Lower Upper
146 100
111 41.8 22.6 67.8
148 62.5 31.9 95.9

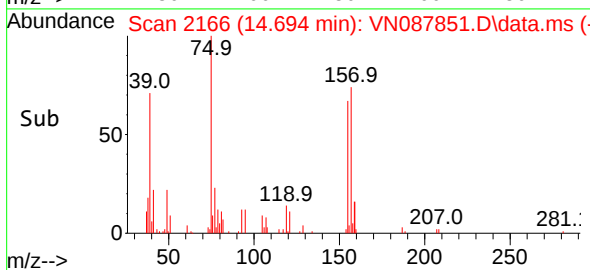
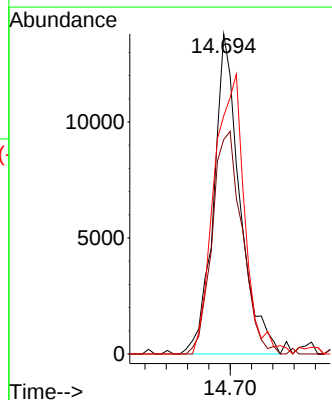
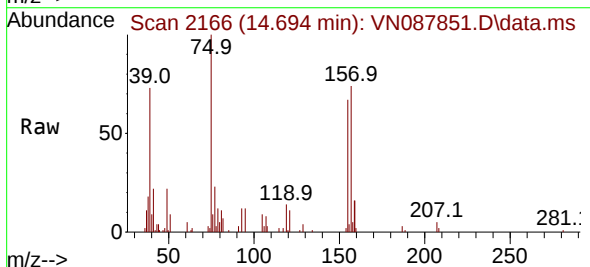
Manual Integrations
APPROVED

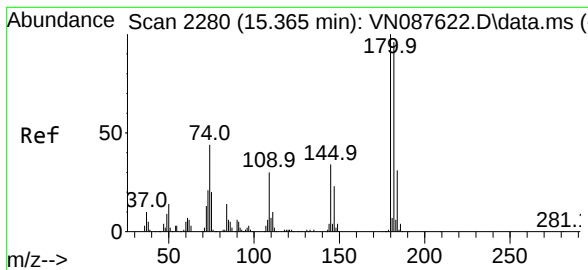
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.941 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

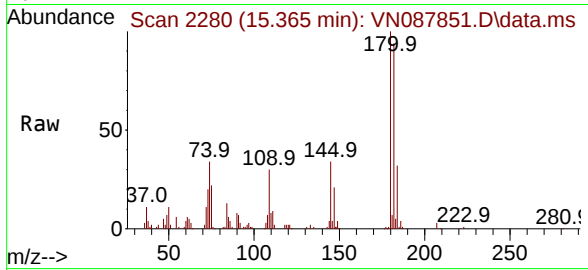
Tgt Ion: 75 Resp: 23465
Ion Ratio Lower Upper
75 100
155 79.7 36.6 109.9
157 101.4 45.6 136.9





#93
1,2,4-Trichlorobenzene
Concen: 18.999 ug/l
RT: 15.365 min Scan# 2280
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

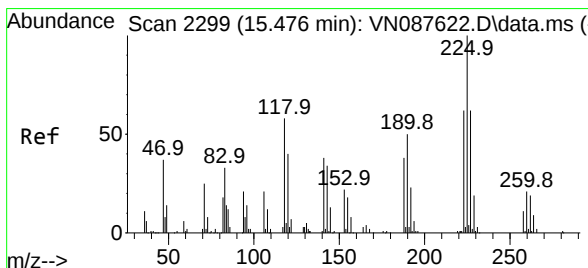
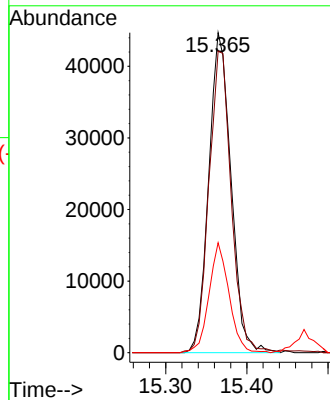
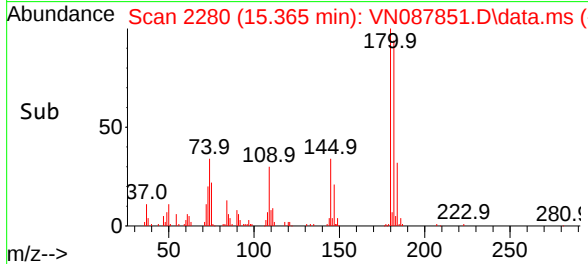
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



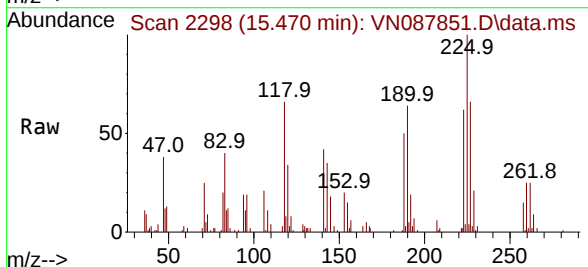
Tgt Ion:180 Resp: 8511
Ion Ratio Lower Upper
180 100
182 94.3 47.6 142.9
145 30.9 16.5 49.5

Manual Integrations
APPROVED

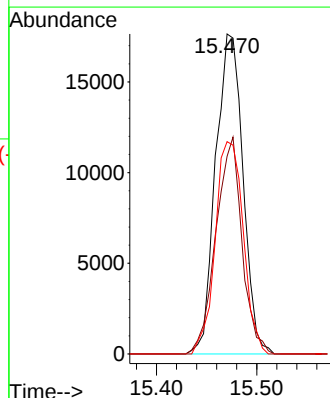
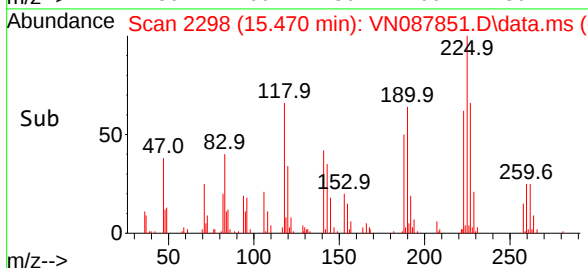
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

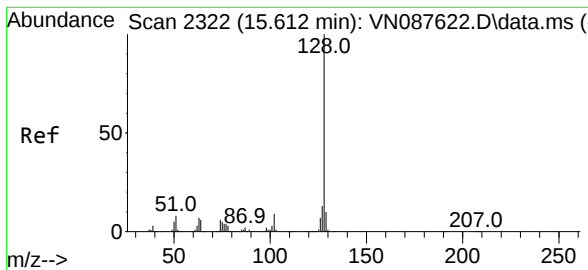


#94
Hexachlorobutadiene
Concen: 20.911 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46



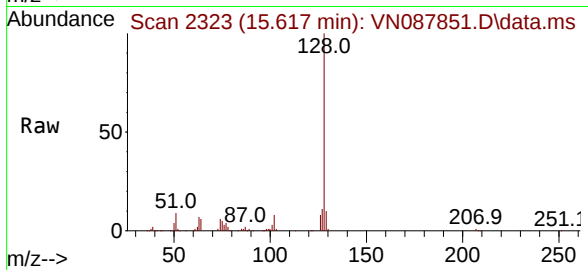
Tgt Ion:225 Resp: 33396
Ion Ratio Lower Upper
225 100
223 64.6 32.0 96.2
227 68.1 32.1 96.5





#95
Naphthalene
Concen: 17.261 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

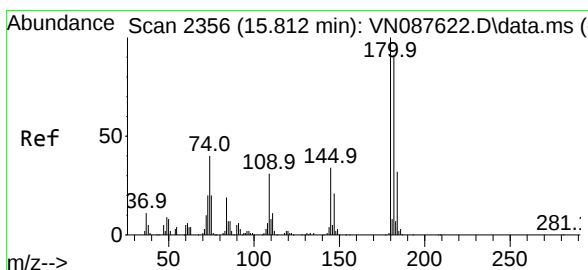
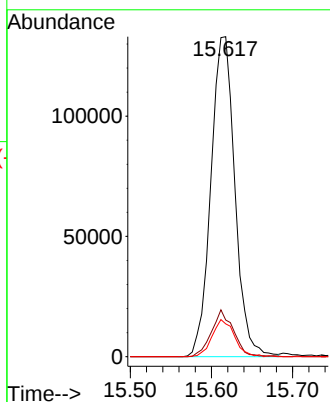
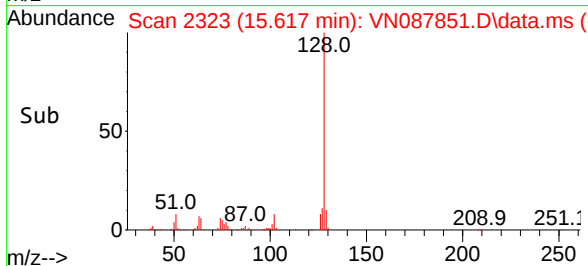
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01



Tgt Ion:128 Resp: 27388
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.9 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.597 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087851.D
Acq: 16 Sep 2025 15:46

Tgt Ion:180 Resp: 81446
Ion Ratio Lower Upper
180 100
182 94.9 46.8 140.3
145 32.7 17.3 52.0

