

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087893.D
 Acq On : 18 Sep 2025 14:06
 Operator : JC\MD
 Sample : VN0918MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2025
 Supervised By : Mahesh Dadoda 09/19/2025

Quant Time: Sep 19 03:07:57 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	223725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	412769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	385924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	202194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	194945	42.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.060%		
35) Dibromofluoromethane	8.153	113	149914	50.304	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.600%		
50) Toluene-d8	10.547	98	512563	45.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.900%		
62) 4-Bromofluorobenzene	12.829	95	187197	47.191	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	61260	19.279	ug/l	90
3) Chloromethane	2.383	50	54733	16.761	ug/l	99
4) Vinyl Chloride	2.542	62	64619	17.067	ug/l	97
5) Bromomethane	2.977	94	35493	18.168	ug/l	92
6) Chloroethane	3.136	64	40001	15.032	ug/l #	88
7) Trichlorofluoromethane	3.506	101	95680	17.248	ug/l	92
8) Diethyl Ether	3.965	74	37314	15.446	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	55839	17.790	ug/l	98
10) Methyl Iodide	4.589	142	35566	19.907	ug/l #	96
11) Tert butyl alcohol	5.518	59	63916	80.319	ug/l	97
12) 1,1-Dichloroethene	4.336	96	52007	16.123	ug/l	84
13) Acrolein	4.177	56	70618	72.184	ug/l	100
14) Allyl chloride	5.012	41	84372	14.434	ug/l	96
15) Acrylonitrile	5.706	53	196744	87.664	ug/l	98
16) Acetone	4.424	43	169165	67.793	ug/l	97
17) Carbon Disulfide	4.700	76	156314	17.603	ug/l	96
18) Methyl Acetate	5.018	43	97976	18.753	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	210799	17.421	ug/l	99
20) Methylene Chloride	5.265	84	70298	18.700	ug/l	94
21) trans-1,2-Dichloroethene	5.765	96	60959	17.438	ug/l	88
22) Diisopropyl ether	6.665	45	207943	16.485	ug/l	98
23) Vinyl Acetate	6.594	43	959398	83.600	ug/l	99
24) 1,1-Dichloroethane	6.553	63	119837	17.327	ug/l	99
25) 2-Butanone	7.471	43	281644	85.791	ug/l	93
26) 2,2-Dichloropropane	7.471	77	101529	17.104	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	75960	18.176	ug/l	96
28) Bromochloromethane	7.794	49	61756	18.470	ug/l	94
29) Tetrahydrofuran	7.830	42	183794	86.994	ug/l	96
30) Chloroform	7.953	83	129744	18.379	ug/l	97
31) Cyclohexane	8.241	56	97591	16.926	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	108080	18.066	ug/l	94
36) 1,1-Dichloropropene	8.347	75	84685	18.523	ug/l	99
37) Ethyl Acetate	7.547	43	111238	17.805	ug/l	97
38) Carbon Tetrachloride	8.341	117	91523	20.275	ug/l	97
39) Methylcyclohexane	9.582	83	93135	18.503	ug/l	89
40) Benzene	8.582	78	264099	18.833	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	59781	18.472	ug/l	98
42) 1,2-Dichloroethane	8.653	62	100105	18.577	ug/l	97
43) Isopropyl Acetate	8.671	43	176488	18.094	ug/l	96
44) Trichloroethene	9.329	130	62193	19.426	ug/l	89
45) 1,2-Dichloropropane	9.600	63	66334	17.946	ug/l	100
46) Dibromomethane	9.688	93	52969	20.138	ug/l	94
47) Bromodichloromethane	9.871	83	102487	19.012	ug/l #	96
48) Methyl methacrylate	9.665	41	80068	17.354	ug/l	95
49) 1,4-Dioxane	9.682	88	22154	370.470	ug/l #	87
51) 4-Methyl-2-Pentanone	10.429	43	561856	95.473	ug/l	99
52) Toluene	10.612	92	164800	18.957	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	105321	18.875	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	105152	18.149	ug/l	94
55) 1,1,2-Trichloroethane	10.994	97	68941	20.500	ug/l	97
56) Ethyl methacrylate	10.859	69	100185	18.641	ug/l	98
57) 1,3-Dichloropropane	11.141	76	116934	19.647	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	276000	94.879	ug/l	97
59) 2-Hexanone	11.176	43	355754	95.651	ug/l	98
60) Dibromochloromethane	11.341	129	79214	20.329	ug/l	96
61) 1,2-Dibromoethane	11.447	107	71537	20.173	ug/l	99
64) Tetrachloroethene	11.082	164	52278	19.525	ug/l	94
65) Chlorobenzene	11.870	112	183592	19.122	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	64720	20.305	ug/l	98
67) Ethyl Benzene	11.941	91	306151	18.417	ug/l	97
68) m/p-Xylenes	12.053	106	234979	38.542	ug/l	94
69) o-Xylene	12.376	106	111196	18.611	ug/l	98
70) Styrene	12.394	104	191216	19.103	ug/l	98
71) Bromoform	12.559	173	52665	21.544	ug/l #	97
73) Isopropylbenzene	12.676	105	291681	17.852	ug/l	99
74) N-amyl acetate	12.547	43	104740m	16.916	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	110817	19.700	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	101931m	21.497	ug/l	
77) Bromobenzene	12.959	156	77544	20.129	ug/l	87
78) n-propylbenzene	13.012	91	369757	18.373	ug/l	98
79) 2-Chlorotoluene	13.106	91	216990	17.917	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	249865	18.027	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.717	75	30050	16.778	ug/l	95
82) 4-Chlorotoluene	13.200	91	223283	17.535	ug/l	98
83) tert-Butylbenzene	13.417	119	204989	17.748	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	249500	17.982	ug/l	97
85) sec-Butylbenzene	13.594	105	303844	17.727	ug/l	98
86) p-Isopropyltoluene	13.706	119	259354	18.324	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	146329	19.288	ug/l	97
88) 1,4-Dichlorobenzene	13.794	146	149338	18.916	ug/l	98
89) n-Butylbenzene	14.035	91	254695	18.119	ug/l	98
90) Hexachloroethane	14.312	117	53563	19.864	ug/l	91
91) 1,2-Dichlorobenzene	14.088	146	140694	19.548	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	24331	18.208	ug/l	93
93) 1,2,4-Trichlorobenzene	15.370	180	86032	19.906	ug/l	95
94) Hexachlorobutadiene	15.470	225	32292	20.958	ug/l	99
95) Naphthalene	15.617	128	261302	17.069	ug/l	100
96) 1,2,3-Trichlorobenzene	15.817	180	79211	18.748	ug/l	100

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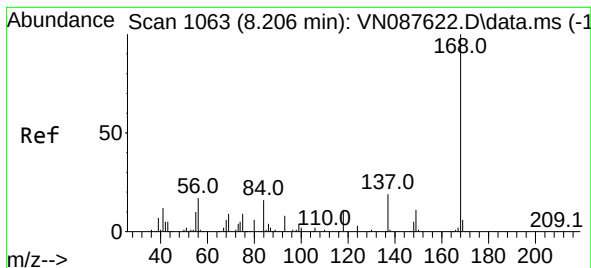
Manual Integrations
APPROVED

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QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

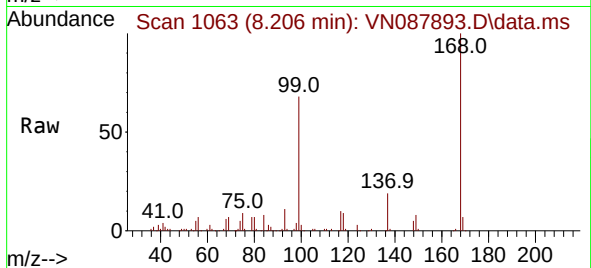
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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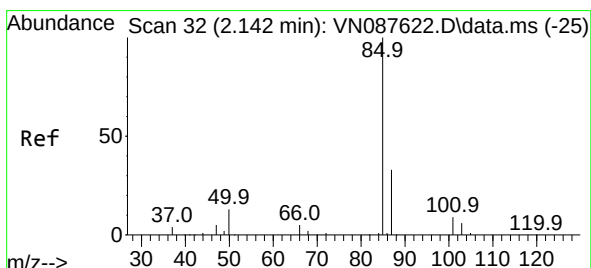
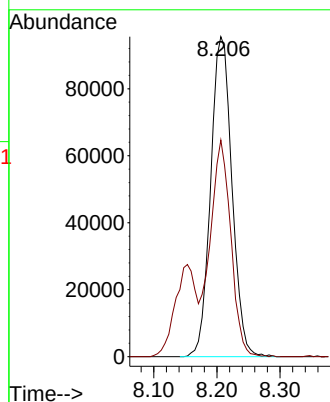
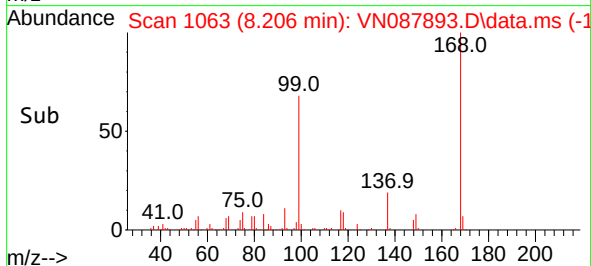
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



Tgt Ion:168 Resp: 223725
Ion Ratio Lower Upper
168 100
99 67.7 57.2 85.8

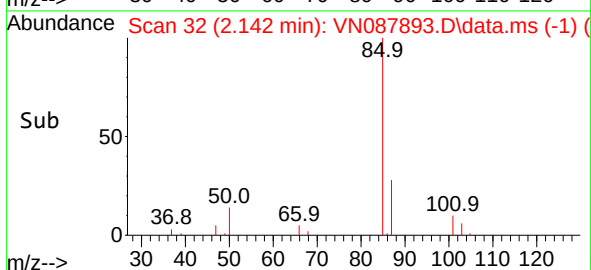
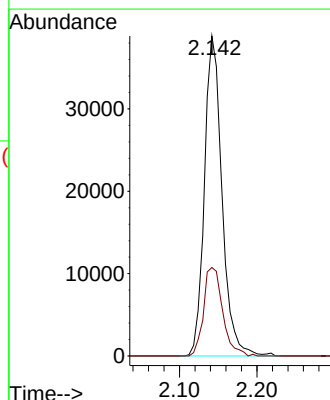
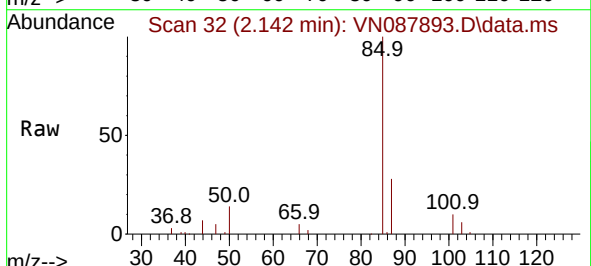
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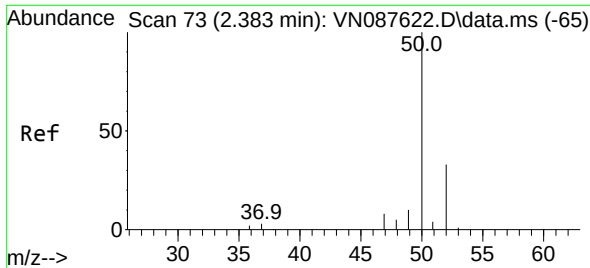
Reviewed By :John Carlone 09/19/2025
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#2
Dichlorodifluoromethane
Concen: 19.279 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

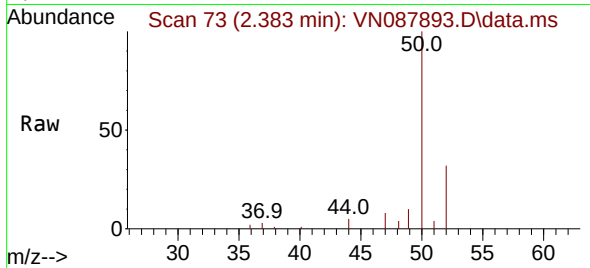
Tgt Ion: 85 Resp: 61260
Ion Ratio Lower Upper
85 100
87 27.6 16.6 49.8





#3
Chloromethane
Concen: 16.761 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

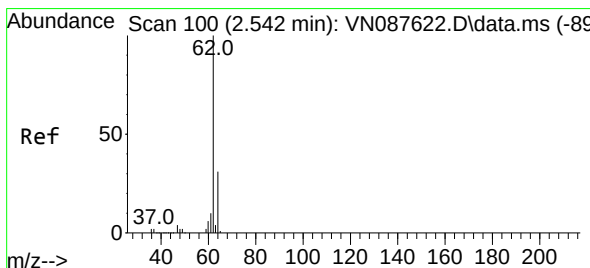
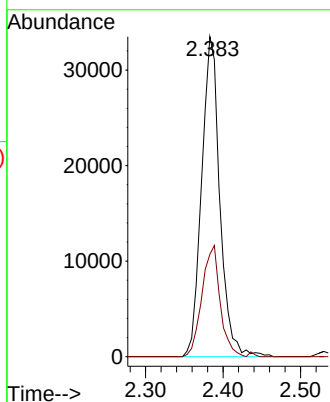
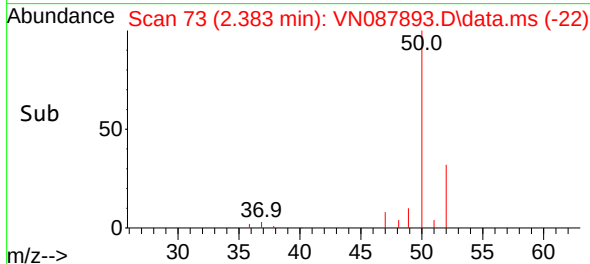
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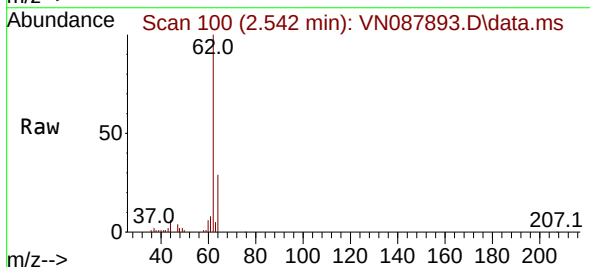
Tgt Ion: 50 Resp: 5473
Ion Ratio Lower Upper
50 100
52 32.0 26.2 39.4

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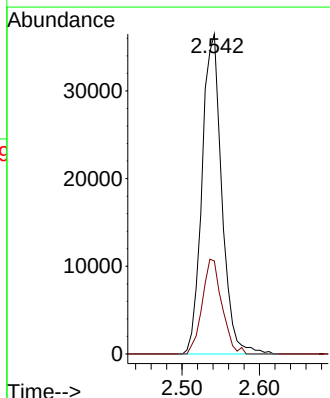
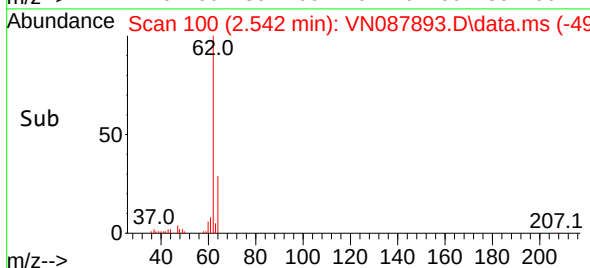
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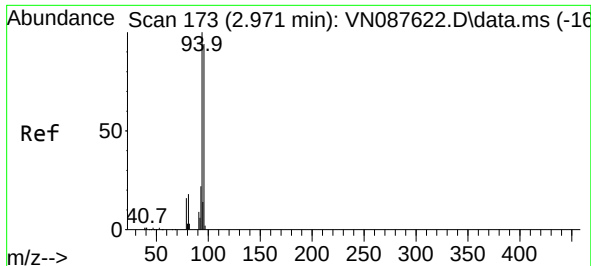


#4
Vinyl Chloride
Concen: 17.067 ug/l
RT: 2.542 min Scan# 100
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



Tgt Ion: 62 Resp: 64619
Ion Ratio Lower Upper
62 100
64 29.1 24.6 37.0





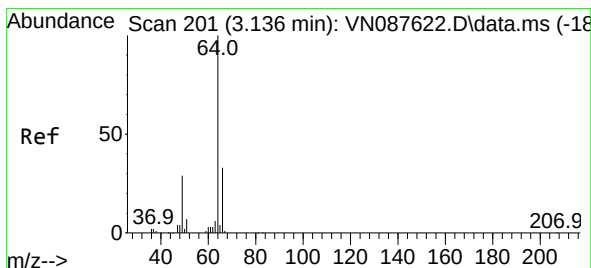
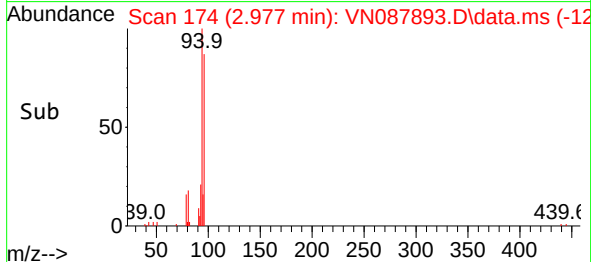
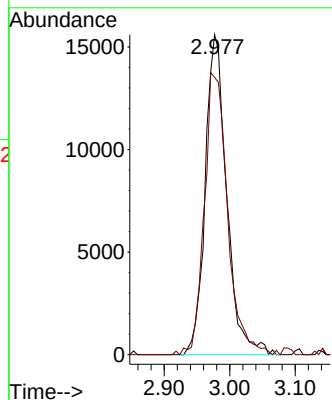
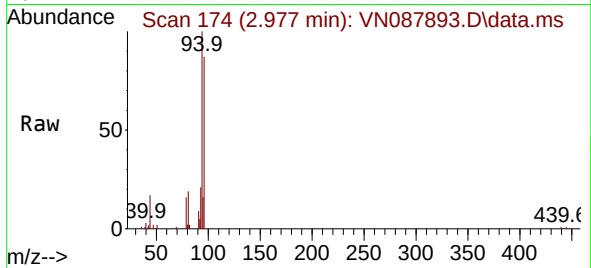
#5
Bromomethane
Concen: 18.168 ug/l
RT: 2.977 min Scan# 173
Delta R.T. 0.006 min
Lab File: VN087893.D
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Tgt Ion: 94 Resp: 3549
Ion Ratio Lower Upper
94 100
96 86.6 75.4 113.2

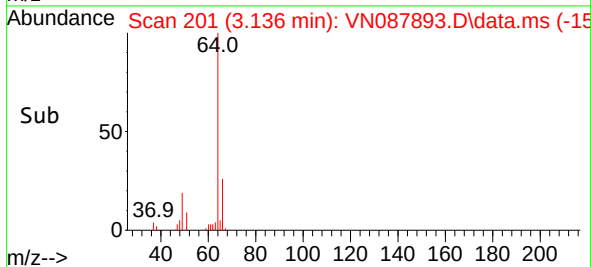
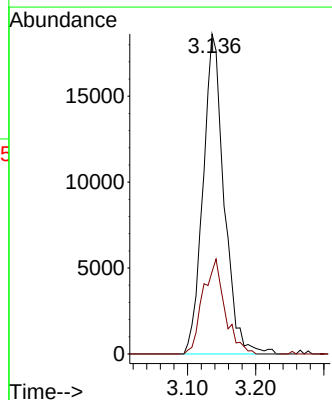
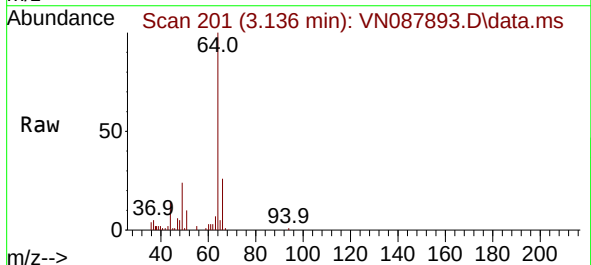
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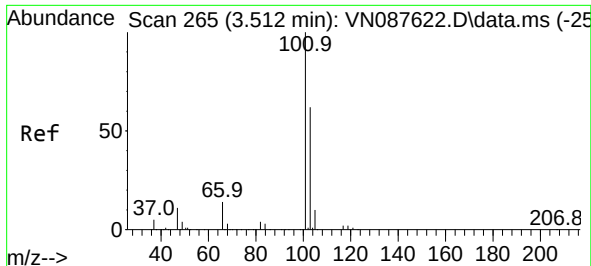
Reviewed By :John Carlone 09/19/2025
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#6
Chloroethane
Concen: 15.032 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.000 min
Lab File: VN087893.D
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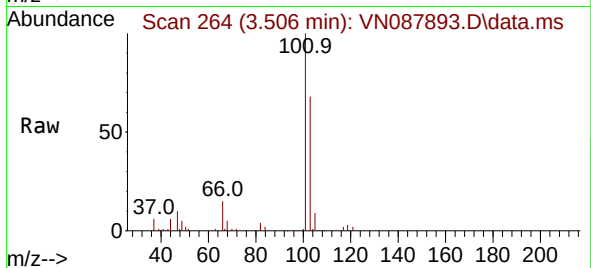
Tgt Ion: 64 Resp: 40001
Ion Ratio Lower Upper
64 100
66 25.7 26.2 39.2#





#7
 Trichlorofluoromethane
 Concen: 17.248 ug/l
 RT: 3.506 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087893.D
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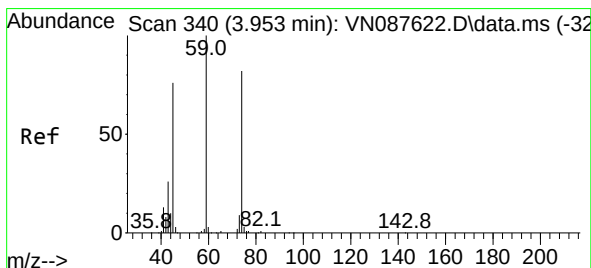
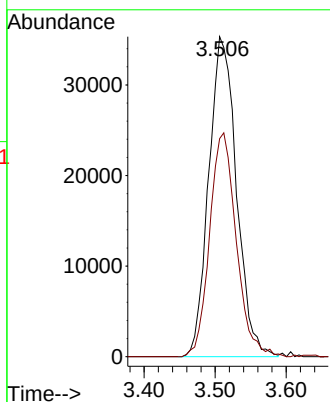
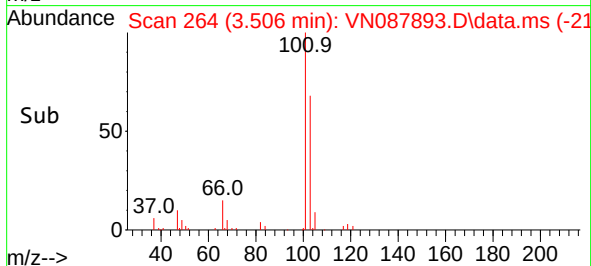
Instrument :
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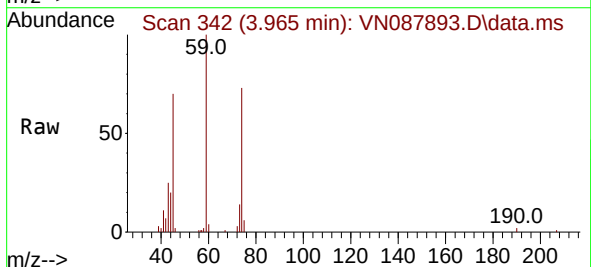
Tgt Ion:101 Resp: 95680
 Ion Ratio Lower Upper
 101 100
 103 68.1 49.4 74.0

Manual Integrations
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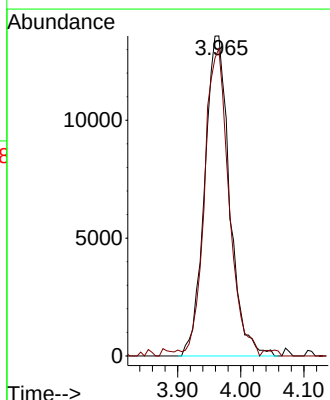
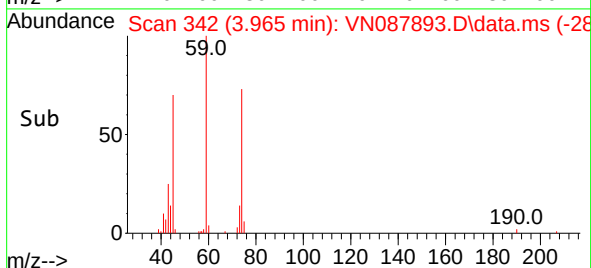
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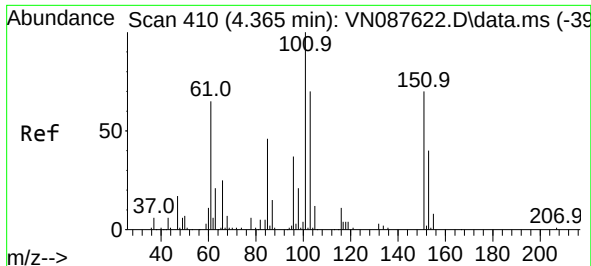


#8
 Diethyl Ether
 Concen: 15.446 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.012 min
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Tgt Ion: 74 Resp: 37314
 Ion Ratio Lower Upper
 74 100
 45 94.4 50.6 151.9





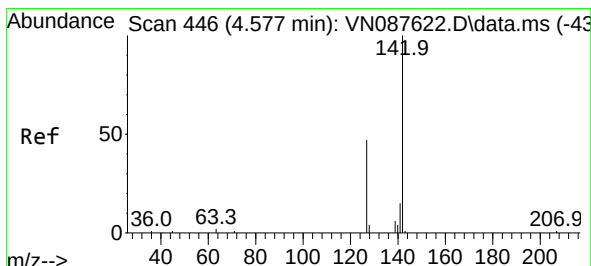
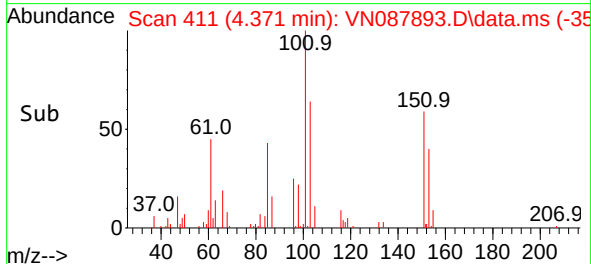
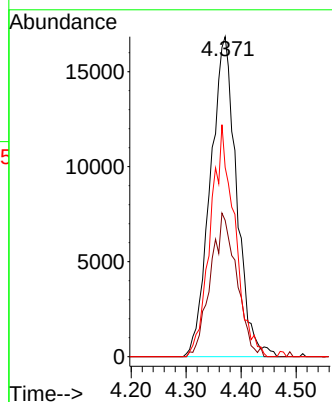
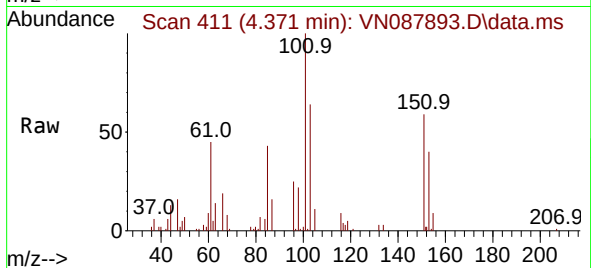
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.790 ug/l
RT: 4.371 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01

Tgt Ion:101 Resp: 55839
Ion Ratio Lower Upper
101 100
85 44.8 36.6 55.0
151 67.0 54.7 82.1

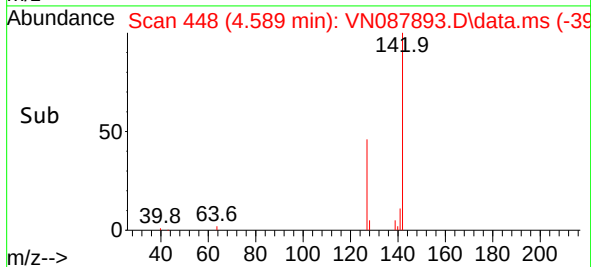
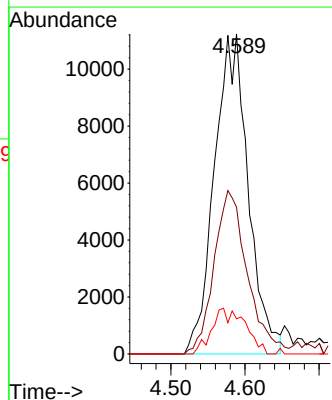
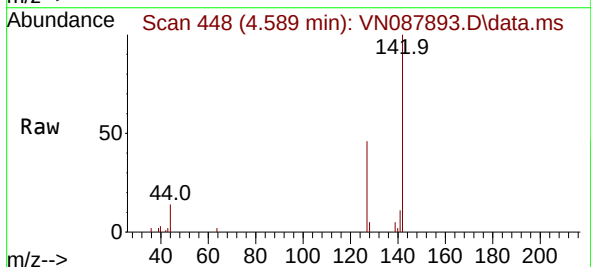
Manual Integrations
APPROVED

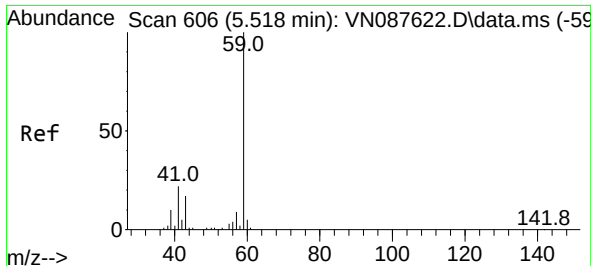
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#10
Methyl Iodide
Concen: 19.907 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.012 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

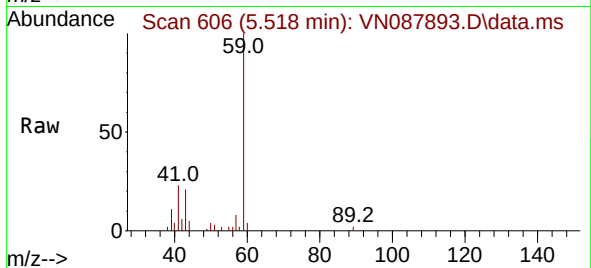
Tgt Ion:142 Resp: 35566
Ion Ratio Lower Upper
142 100
127 45.9 38.0 57.0
141 11.0 12.0 18.0#





#11
Tert butyl alcohol
Concen: 80.319 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

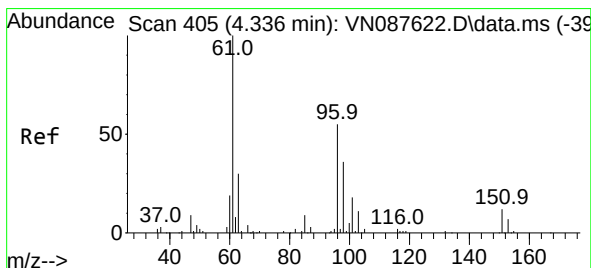
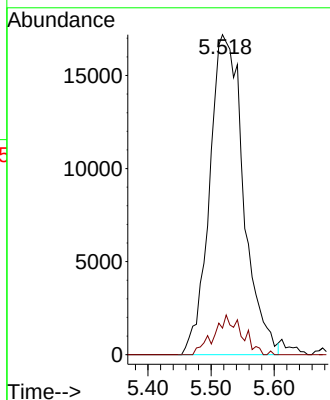
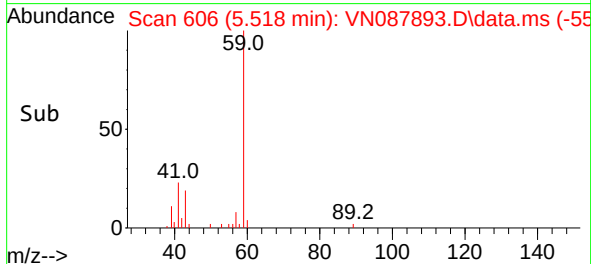
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



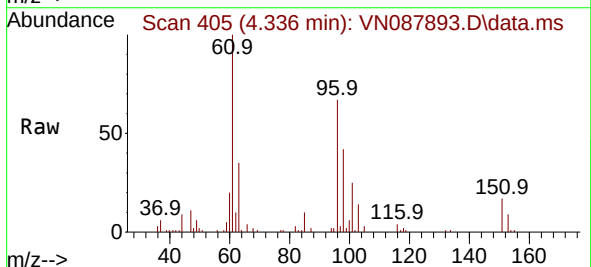
Tgt Ion: 59 Resp: 63910
Ion Ratio Lower Upper
59 100
57 10.2 9.0 13.4

Manual Integrations
APPROVED

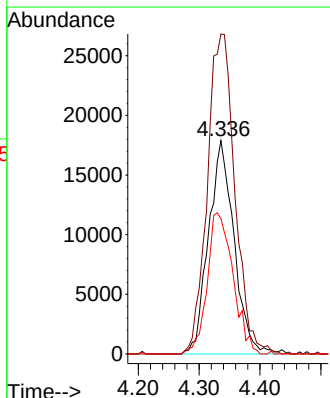
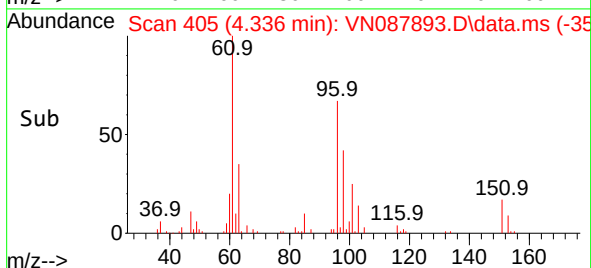
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

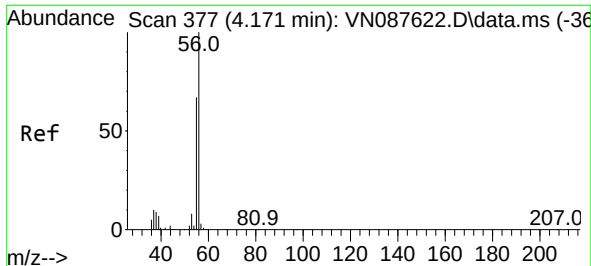


#12
1,1-Dichloroethene
Concen: 16.123 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



Tgt Ion: 96 Resp: 52007
Ion Ratio Lower Upper
96 100
61 150.1 143.8 215.8
98 63.5 52.1 78.1





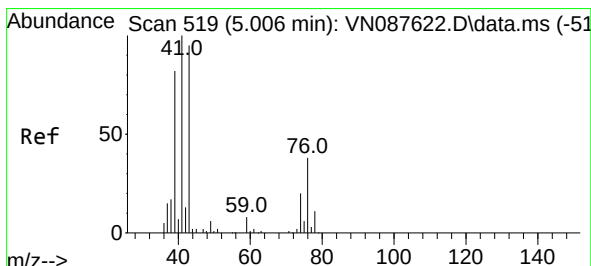
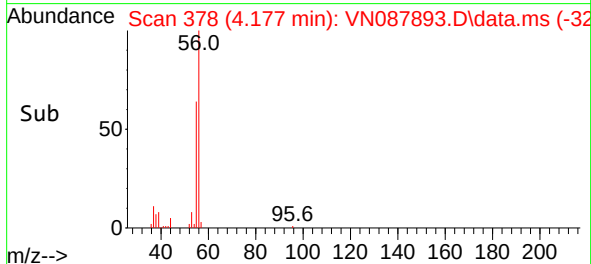
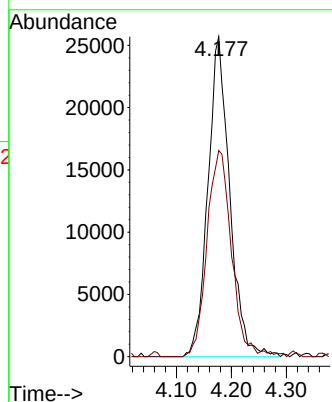
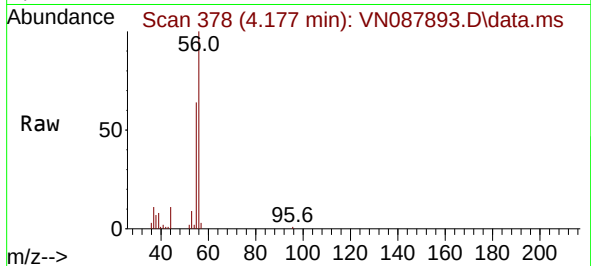
#13
Acrolein
Concen: 72.184 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01

Tgt Ion: 56 Resp: 70618
Ion Ratio Lower Upper
56 100
55 71.8 57.3 85.9

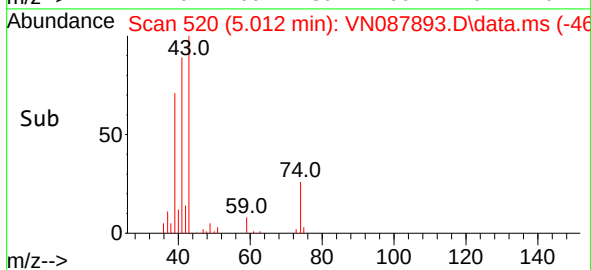
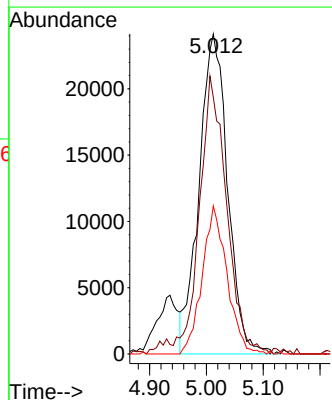
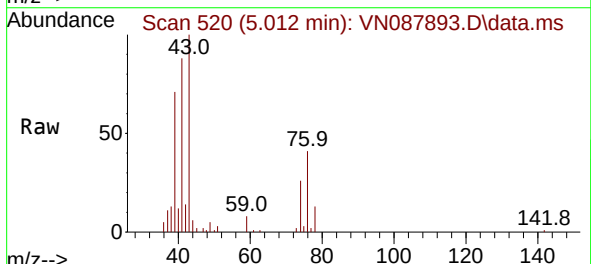
Manual Integrations
APPROVED

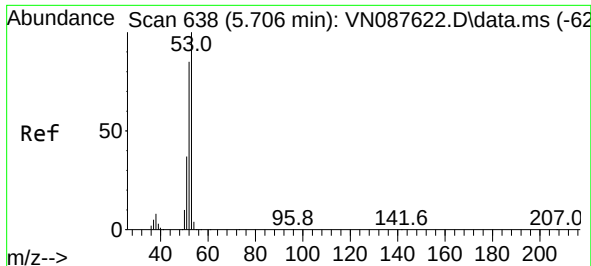
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#14
Allyl chloride
Concen: 14.434 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

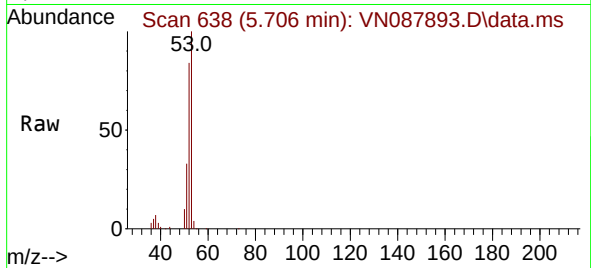
Tgt Ion: 41 Resp: 84372
Ion Ratio Lower Upper
41 100
39 81.7 63.9 95.9
76 40.1 28.1 42.1





#15
Acrylonitrile
Concen: 87.664 ug/l
RT: 5.706 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

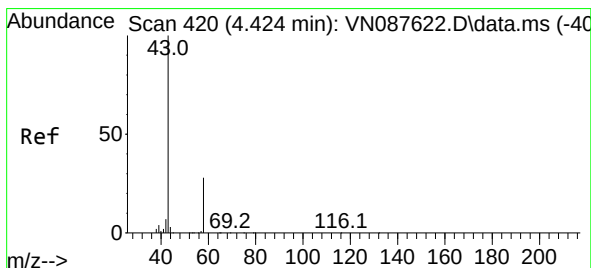
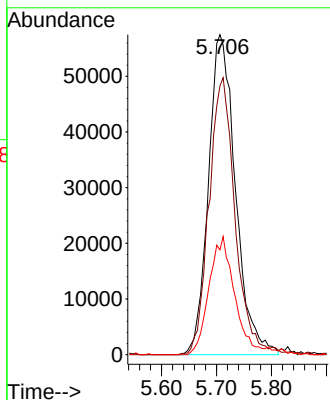
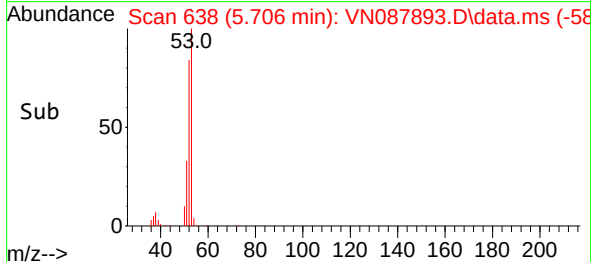
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



Tgt Ion: 53 Resp: 196744
Ion Ratio Lower Upper
53 100
52 83.5 67.6 101.4
51 36.0 30.1 45.1

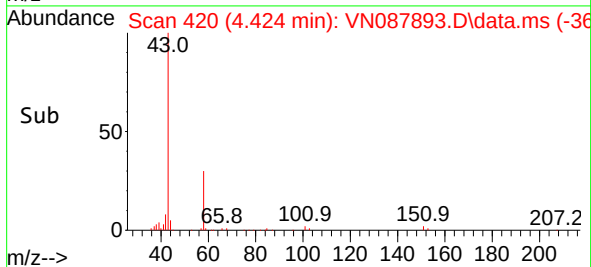
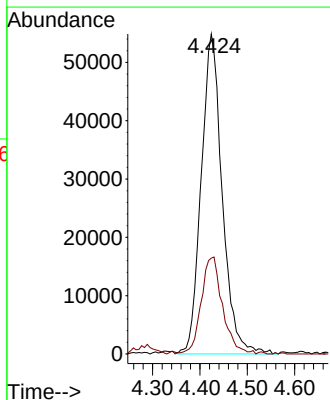
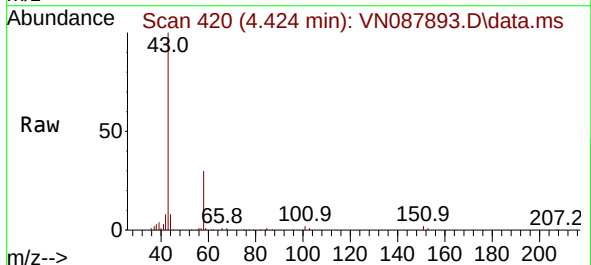
Manual Integrations
APPROVED

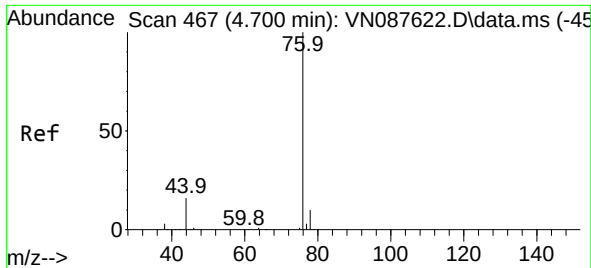
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#16
Acetone
Concen: 67.793 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion: 43 Resp: 169165
Ion Ratio Lower Upper
43 100
58 30.0 22.6 33.8





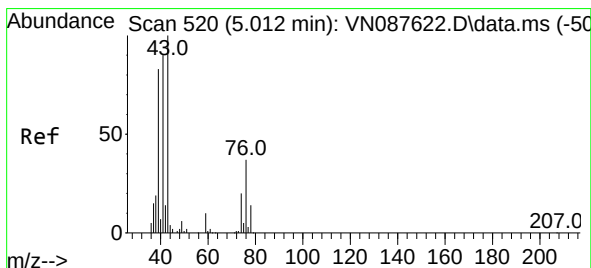
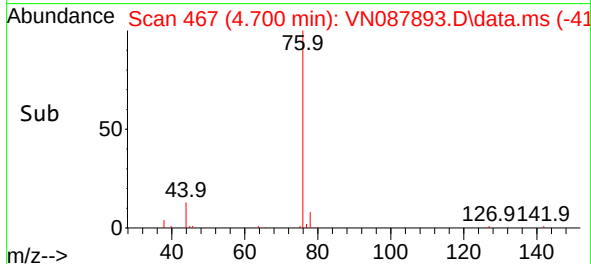
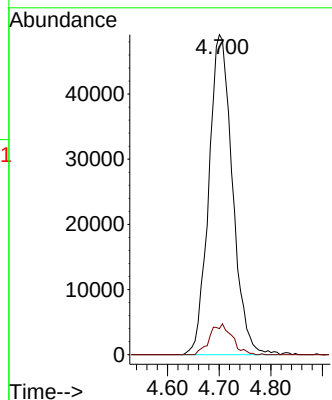
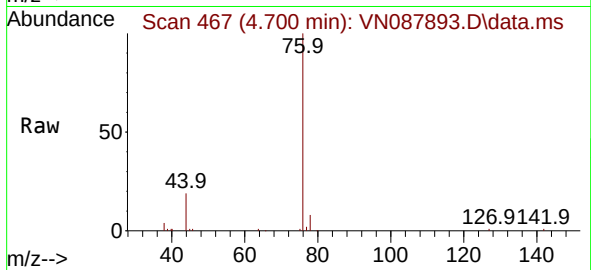
#17
Carbon Disulfide
Concen: 17.603 ug/l
RT: 4.700 min Scan# 40
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01

Tgt Ion: 76 Resp: 156314
Ion Ratio Lower Upper
76 100
78 8.2 7.6 11.4

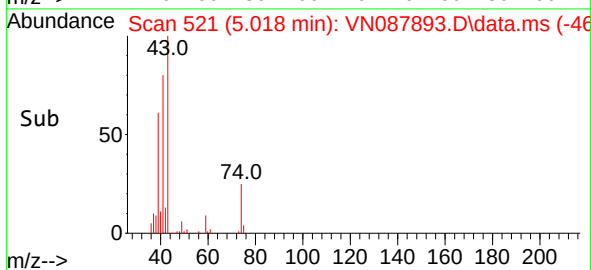
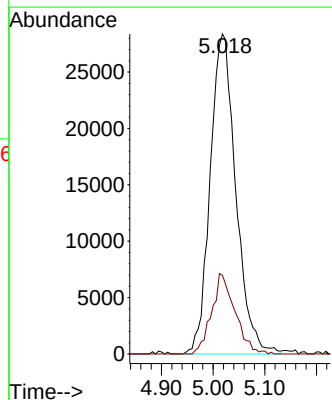
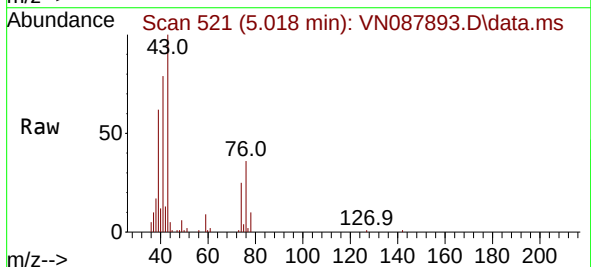
Manual Integrations
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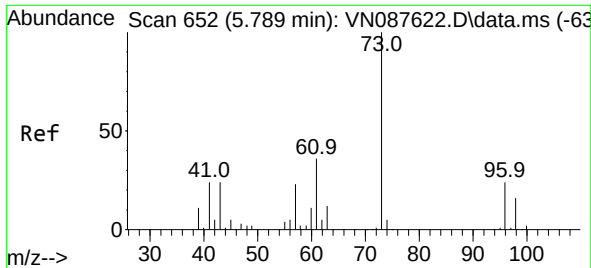
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#18
Methyl Acetate
Concen: 18.753 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

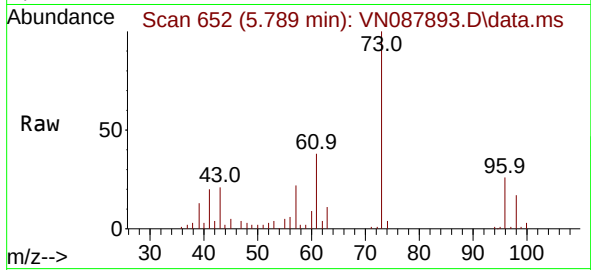
Tgt Ion: 43 Resp: 97976
Ion Ratio Lower Upper
43 100
74 22.9 17.6 26.4





#19
Methyl tert-butyl Ether
Concen: 17.421 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

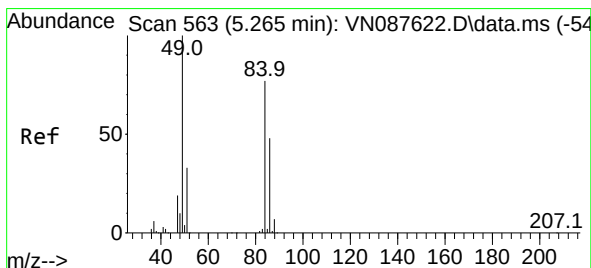
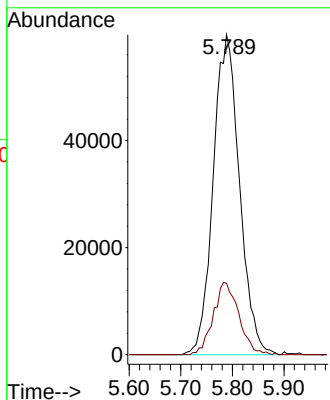
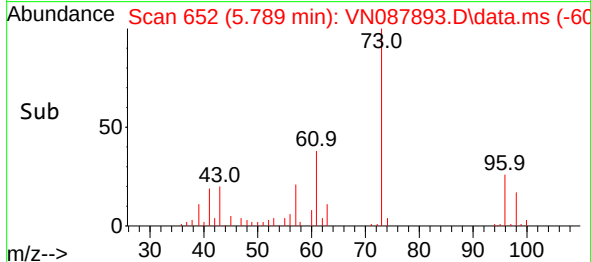
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



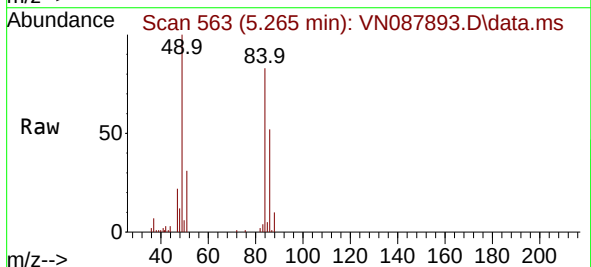
Tgt Ion: 73 Resp: 21079
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6

Manual Integrations
APPROVED

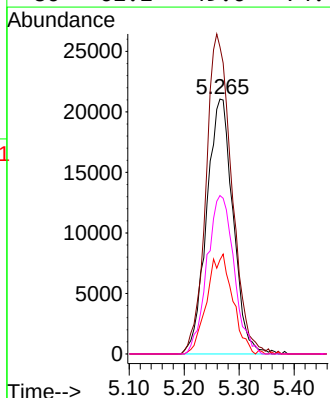
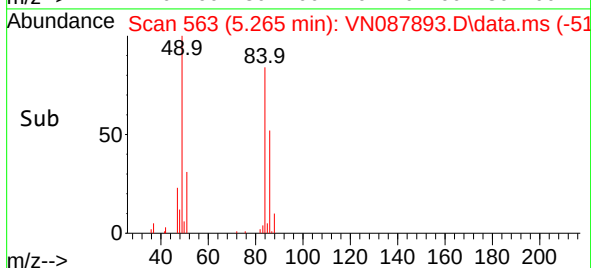
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

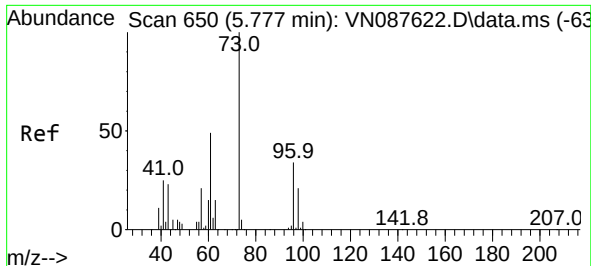


#20
Methylene Chloride
Concen: 18.700 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



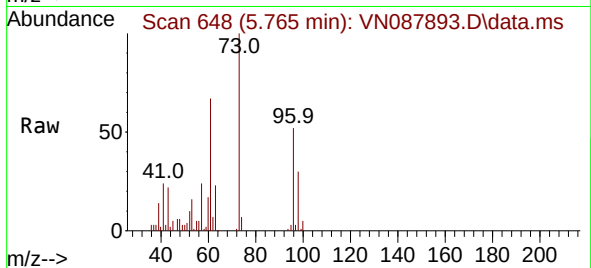
Tgt Ion: 84 Resp: 70298
Ion Ratio Lower Upper
84 100
49 120.5 103.4 155.2
51 36.9 33.8 50.8
86 62.2 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 17.438 ug/l
RT: 5.765 min Scan# 64
Delta R.T. -0.012 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

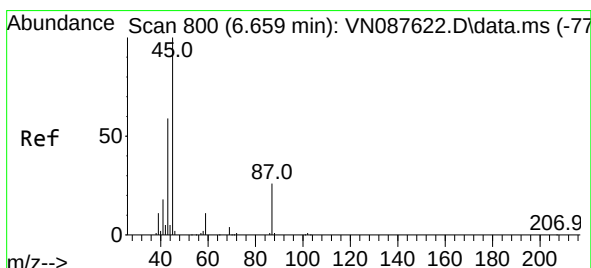
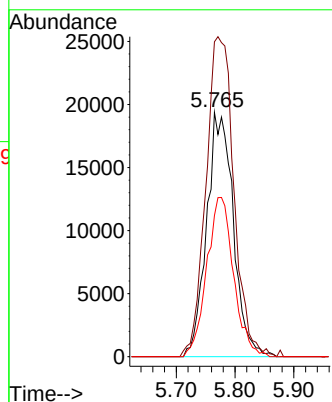
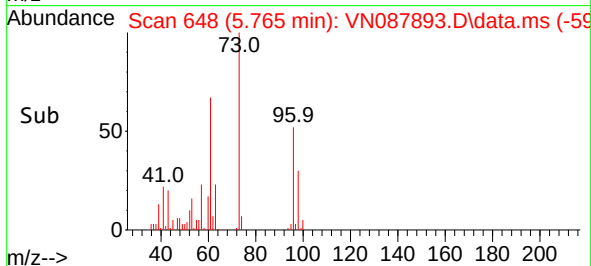
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



Tgt Ion: 96 Resp: 6095
Ion Ratio Lower Upper
96 100
61 128.9 118.0 177.0
98 57.7 50.0 75.0

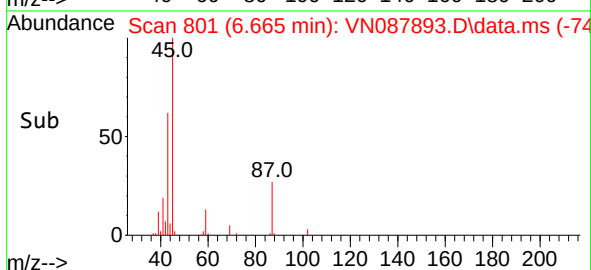
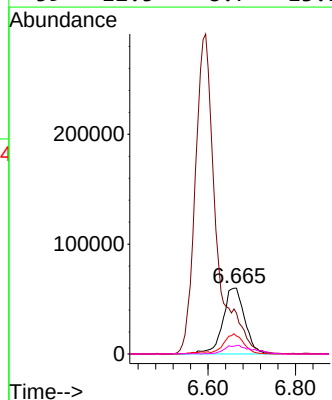
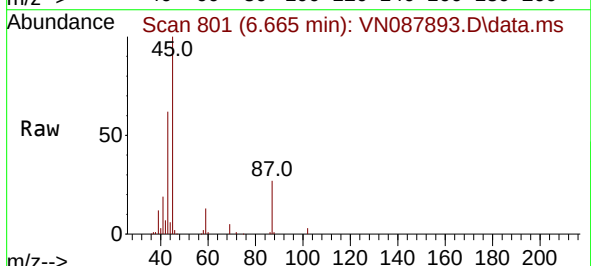
Manual Integrations
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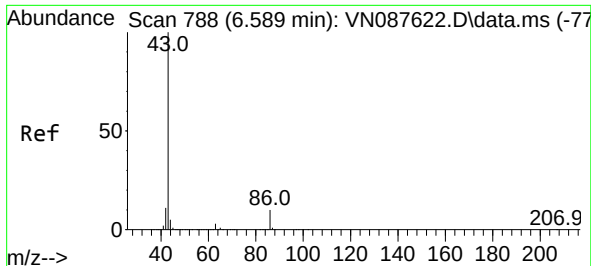
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#22
Diisopropyl ether
Concen: 16.485 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion: 45 Resp: 207943
Ion Ratio Lower Upper
45 100
43 61.0 47.7 71.5
87 27.2 21.4 32.0
59 12.5 8.7 13.1





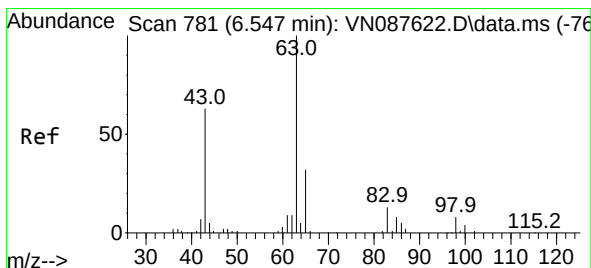
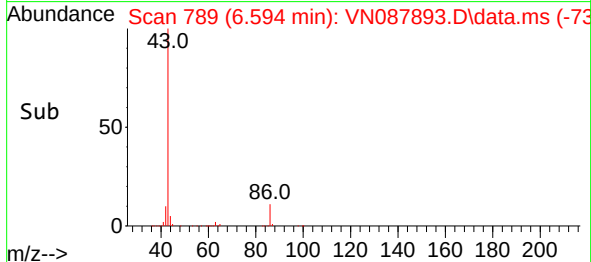
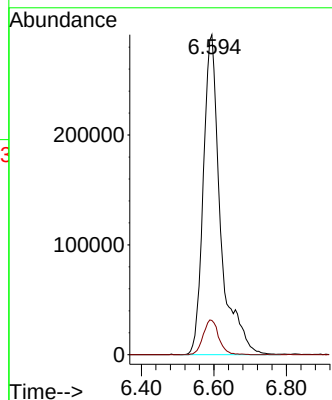
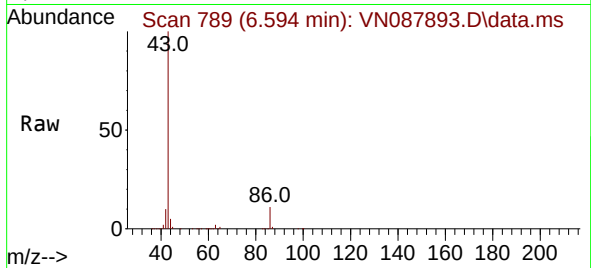
#23
 Vinyl Acetate
 Concen: 83.600 ug/l
 RT: 6.594 min Scan# 789
 Delta R.T. 0.006 min
 Lab File: VN087893.D
 Acq: 18 Sep 2025 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918MBS01

Tgt Ion: 43 Resp: 959398
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.2 12.4

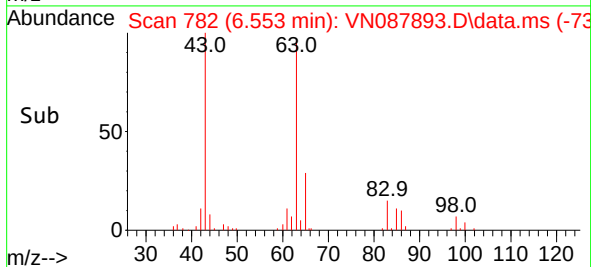
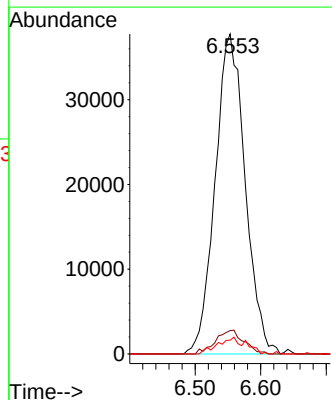
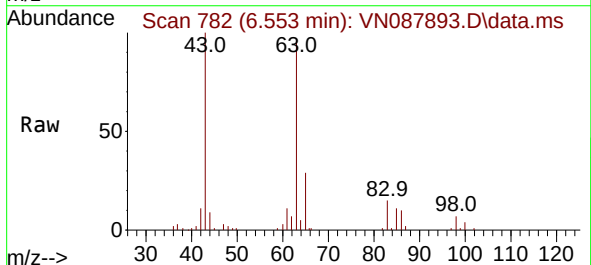
Manual Integrations
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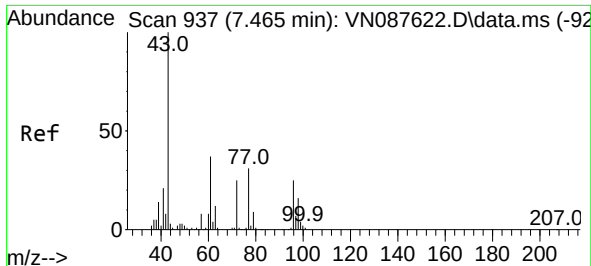
Reviewed By :John Carlone 09/19/2025
 Supervised By :Mahesh Dadoda 09/19/2025



#24
 1,1-Dichloroethane
 Concen: 17.327 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. 0.006 min
 Lab File: VN087893.D
 Acq: 18 Sep 2025 14:06

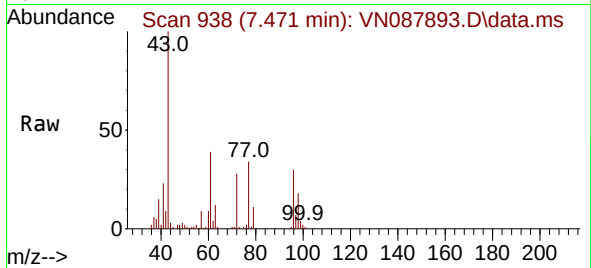
Tgt Ion: 63 Resp: 119837
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.8 11.4
 100 4.3 2.0 6.0





#25
2-Butanone
Concen: 85.791 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

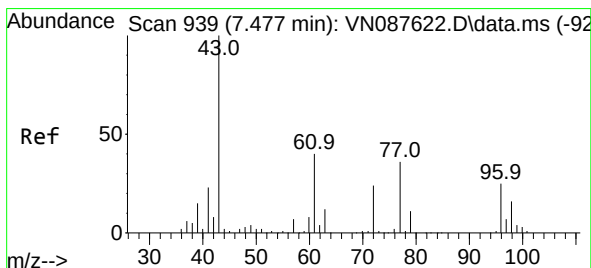
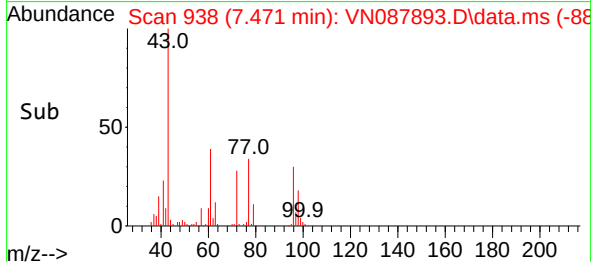
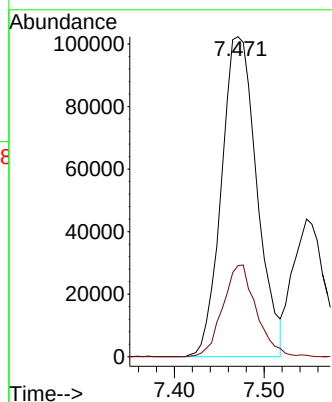
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



Tgt Ion: 43 Resp: 281644
Ion Ratio Lower Upper
43 100
72 28.4 19.9 29.9

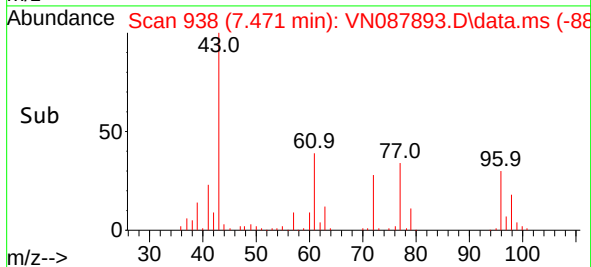
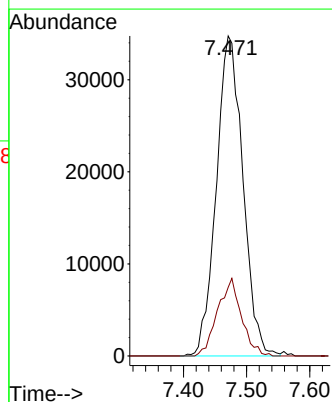
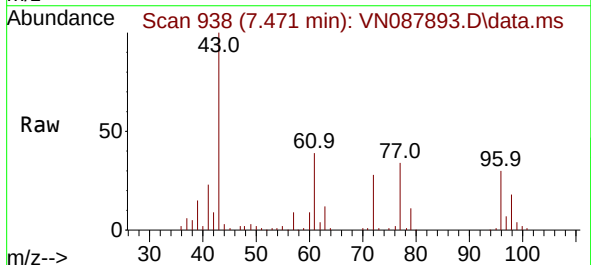
Manual Integrations
APPROVED

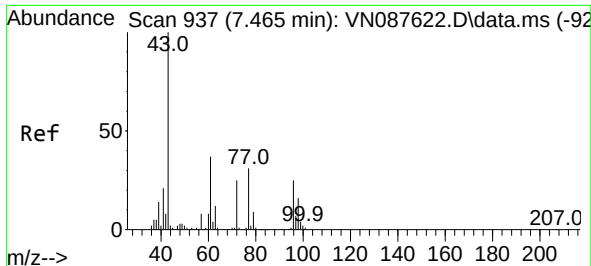
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#26
2,2-Dichloropropane
Concen: 17.104 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

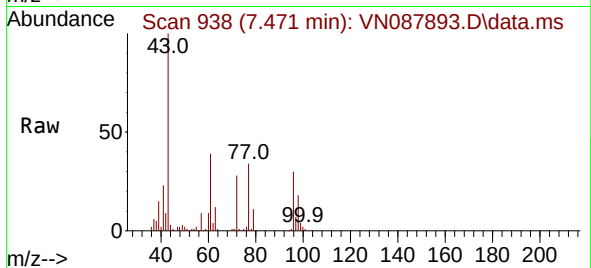
Tgt Ion: 77 Resp: 101529
Ion Ratio Lower Upper
77 100
97 21.8 10.9 32.7





#27
 cis-1,2-Dichloroethene
 Concen: 18.176 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087893.D
 Acq: 18 Sep 2025 14:06

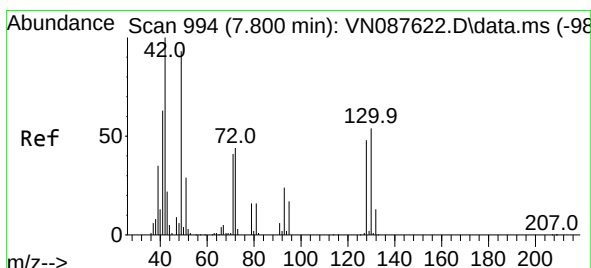
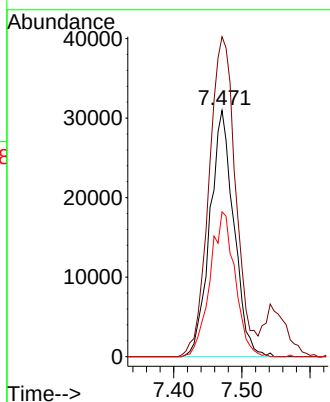
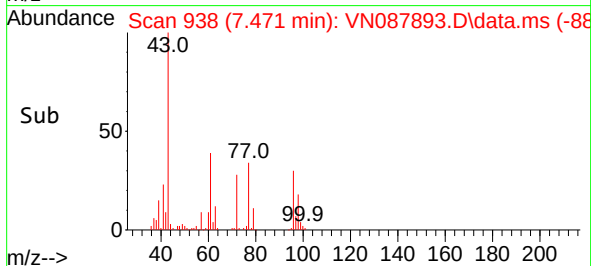
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918MBS01



Tgt Ion: 96 Resp: 75960
 Ion Ratio Lower Upper
 96 100
 61 144.6 0.0 301.8
 98 61.3 0.0 126.2

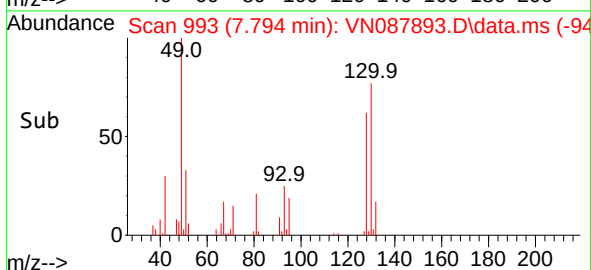
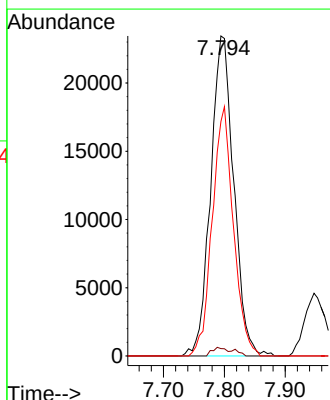
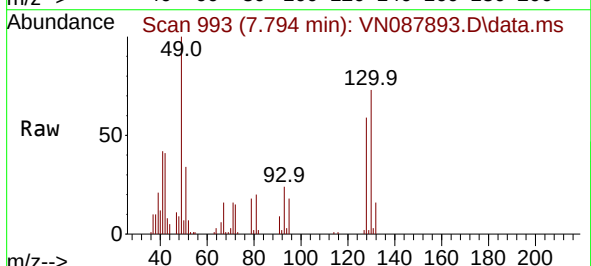
Manual Integrations
 APPROVED

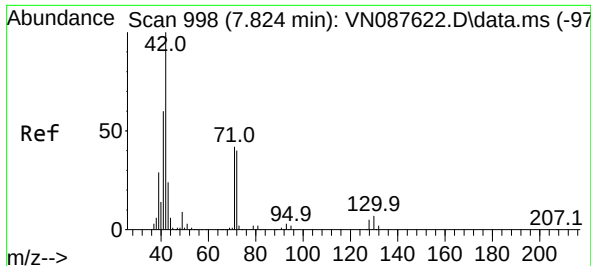
Reviewed By :John Carlone 09/19/2025
 Supervised By :Mahesh Dadoda 09/19/2025



#28
 Bromochloromethane
 Concen: 18.470 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. -0.006 min
 Lab File: VN087893.D
 Acq: 18 Sep 2025 14:06

Tgt Ion: 49 Resp: 61756
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 3.0
 130 71.3 53.1 79.7





#29

Tetrahydrofuran

Concen: 86.994 ug/l

RT: 7.830 min Scan# 998

Delta R.T. 0.006 min

Lab File: VN087893.D

Acq: 18 Sep 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0918MBS01

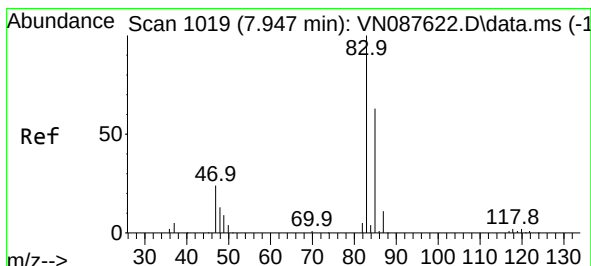
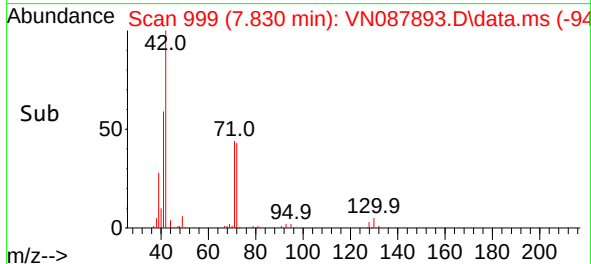
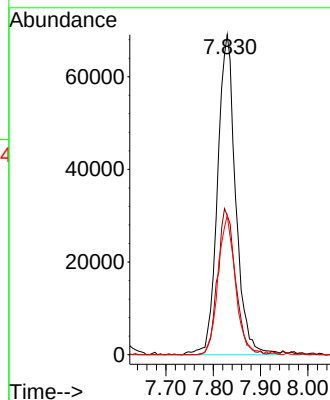
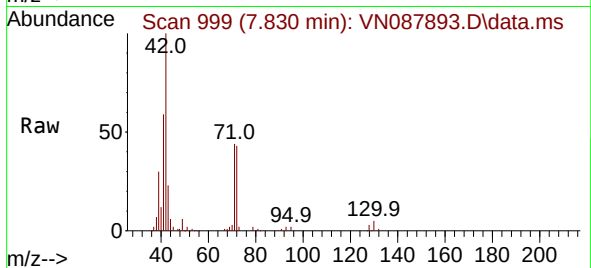
Tgt Ion: 42 Resp: 183794
 Ion Ratio Lower Upper
 42 100
 72 44.9 33.7 50.5
 71 42.0 31.9 47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2025

Supervised By :Mahesh Dadoda 09/19/2025



#30

Chloroform

Concen: 18.379 ug/l

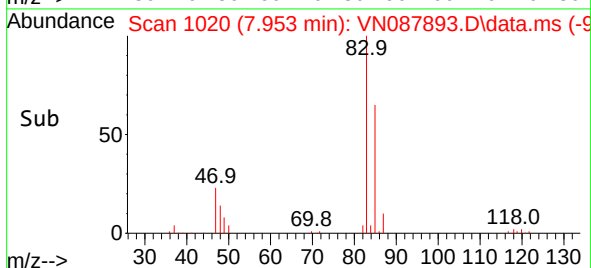
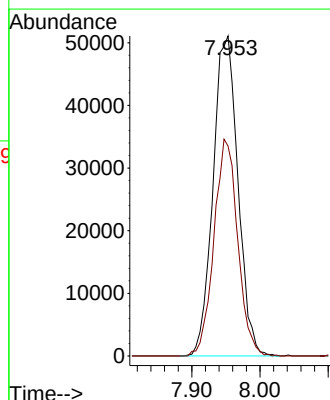
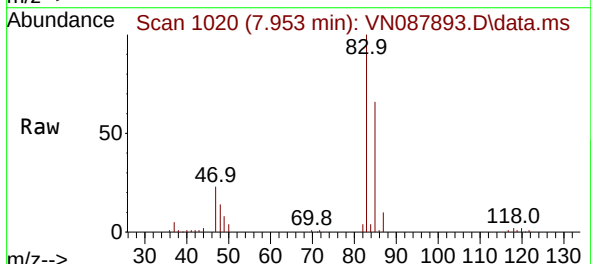
RT: 7.953 min Scan# 1020

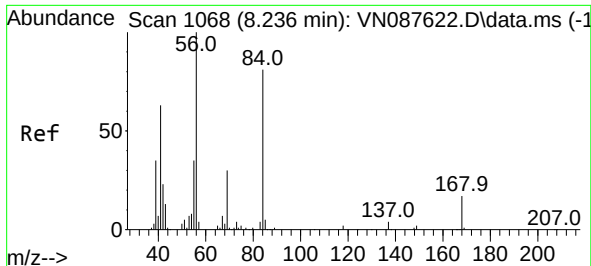
Delta R.T. 0.006 min

Lab File: VN087893.D

Acq: 18 Sep 2025 14:06

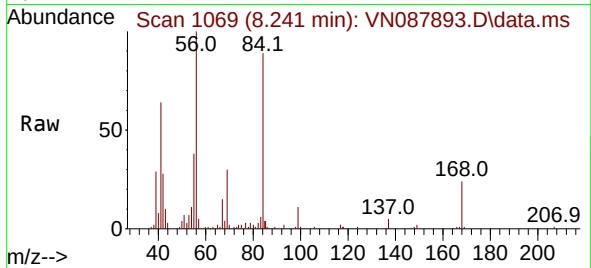
Tgt Ion: 83 Resp: 129744
 Ion Ratio Lower Upper
 83 100
 85 65.6 50.7 76.1





#31
Cyclohexane
Concen: 16.926 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

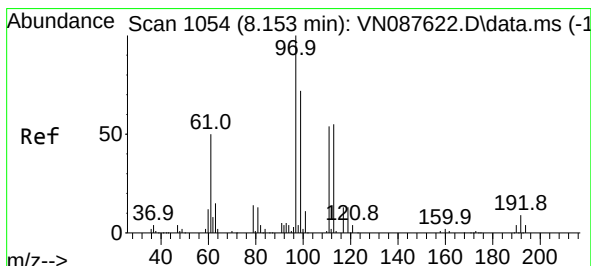
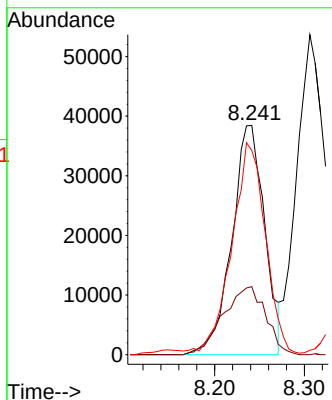
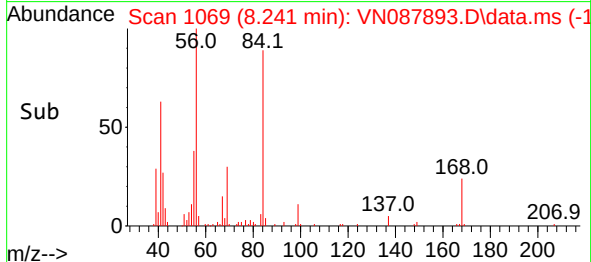
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



Tgt Ion: 56 Resp: 9759
Ion Ratio Lower Upper
56 100
69 29.7 23.7 35.5
84 87.2 64.7 97.1

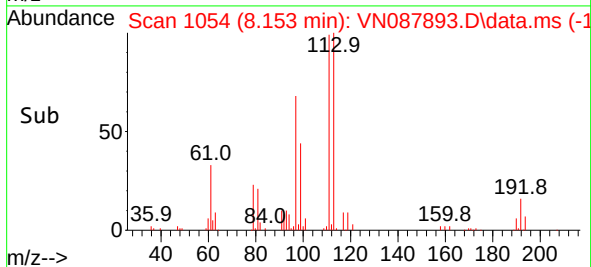
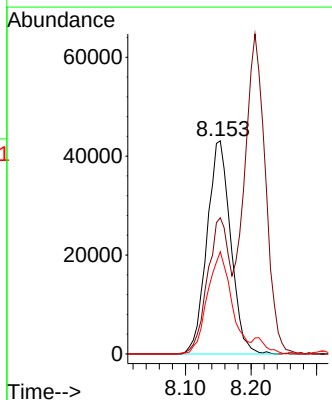
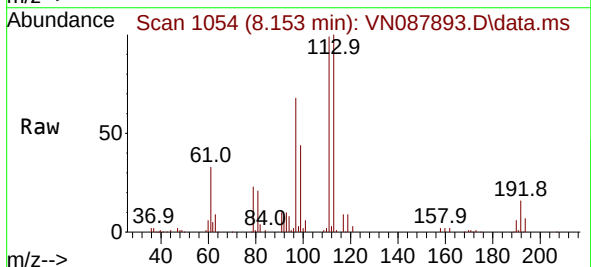
Manual Integrations
APPROVED

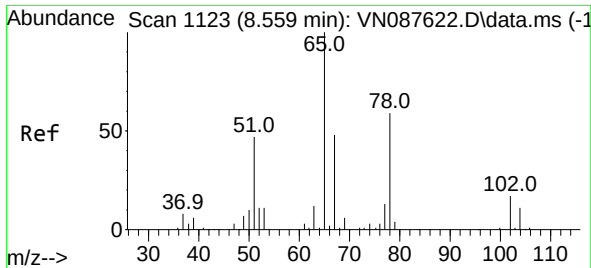
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#32
1,1,1-Trichloroethane
Concen: 18.066 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion: 97 Resp: 108080
Ion Ratio Lower Upper
97 100
99 58.8 52.2 78.2
61 49.4 41.2 61.8





#33
1,2-Dichloroethane-d4
Concen: 42.528 ug/l
RT: 8.565 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

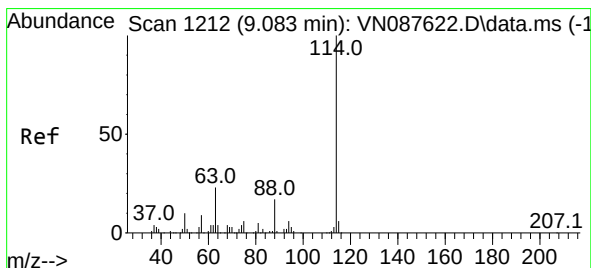
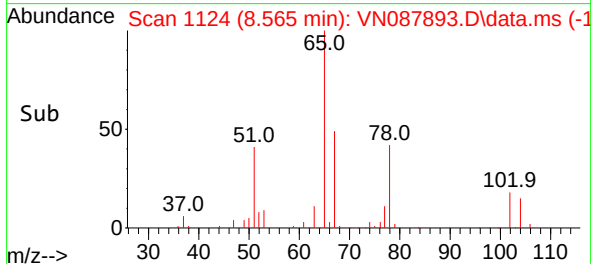
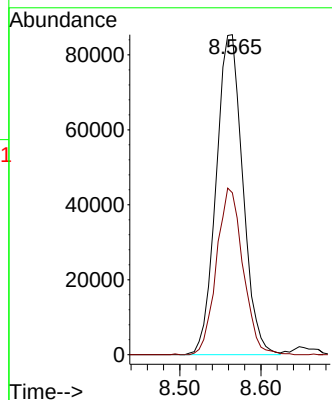
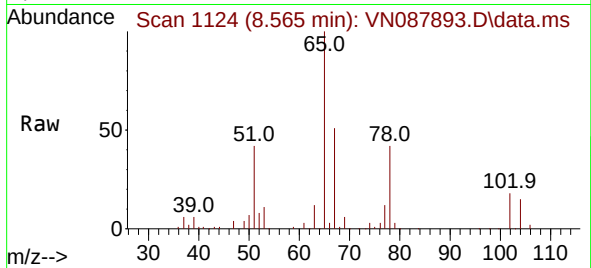
VN0918MBSD01

Tgt Ion: 65 Resp: 19494
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.0

Manual Integrations

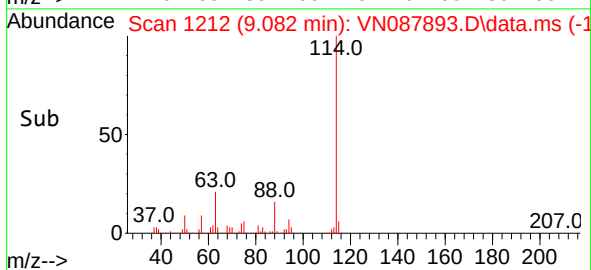
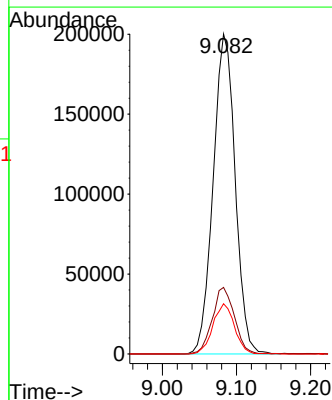
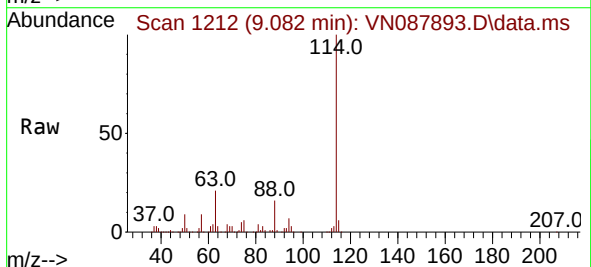
APPROVED

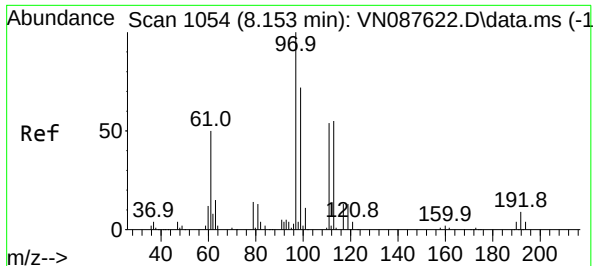
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

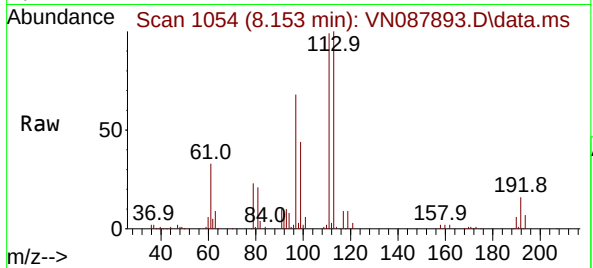
Tgt Ion:114 Resp: 412769
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.2
88 15.7 0.0 33.4





#35
Dibromofluoromethane
Concen: 50.304 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

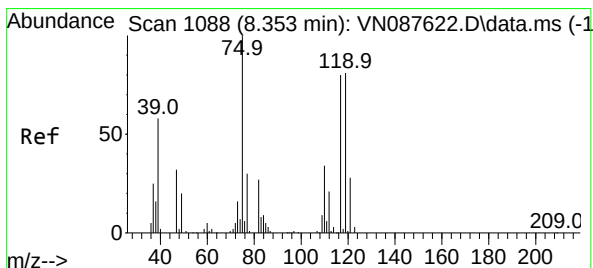
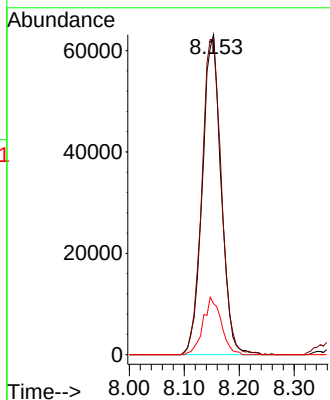
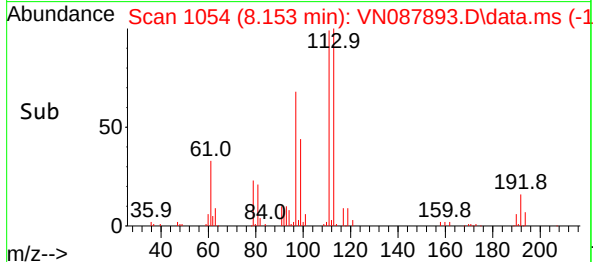
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



Tgt Ion: 113 Resp: 149914
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 17.4 12.8 19.2

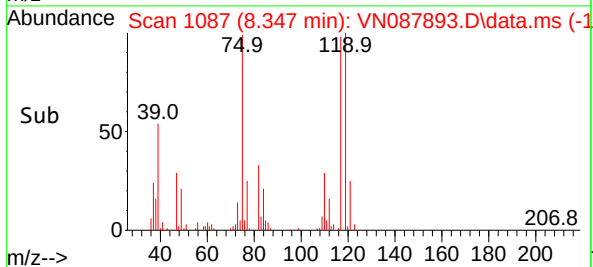
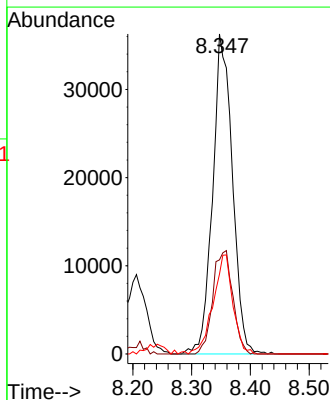
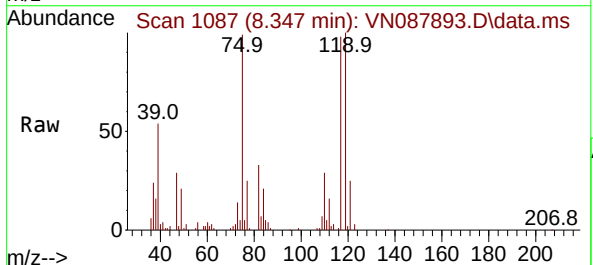
Manual Integrations
APPROVED

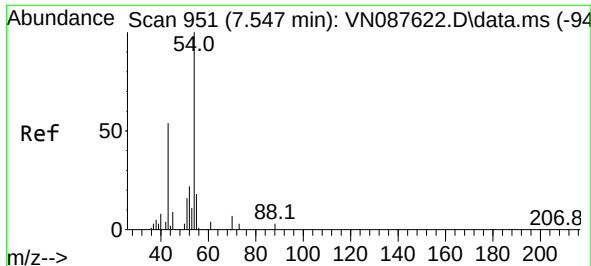
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#36
1,1-Dichloropropene
Concen: 18.523 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. -0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion: 75 Resp: 84685
Ion Ratio Lower Upper
75 100
110 32.7 15.9 47.6
77 31.0 24.4 36.6





#37

Ethyl Acetate

Concen: 17.805 ug/l

RT: 7.547 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN087893.D

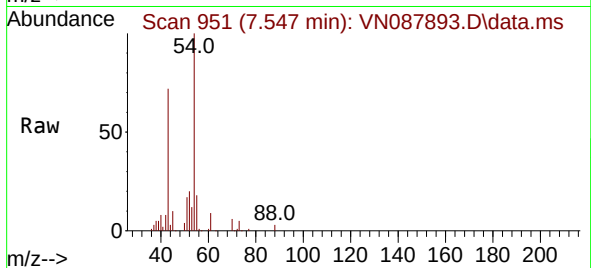
Acq: 18 Sep 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0918MBS01



Tgt Ion: 43 Resp: 111238

Ion Ratio Lower Upper

43 100

61 13.0 9.3 13.9

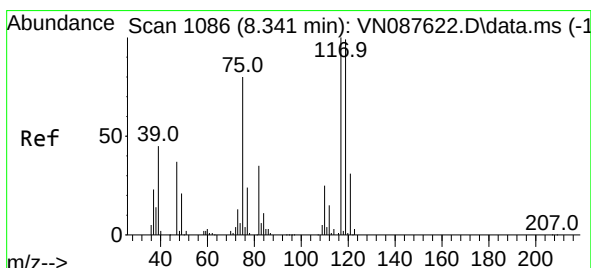
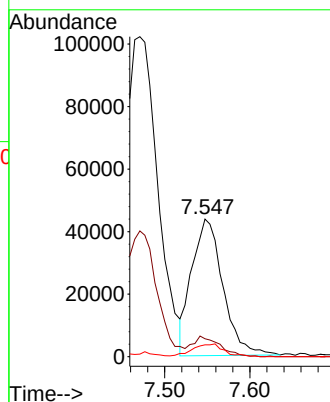
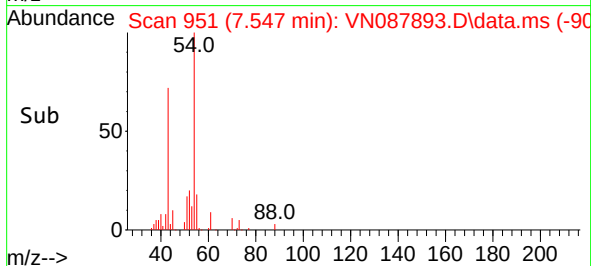
70 9.4 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2025

Supervised By :Mahesh Dadoda 09/19/2025



#38

Carbon Tetrachloride

Concen: 20.275 ug/l

RT: 8.341 min Scan# 1086

Delta R.T. -0.000 min

Lab File: VN087893.D

Acq: 18 Sep 2025 14:06

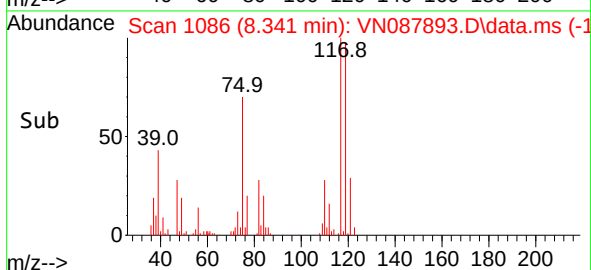
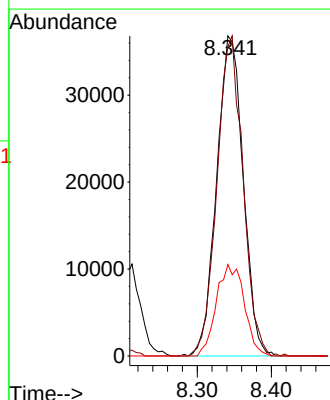
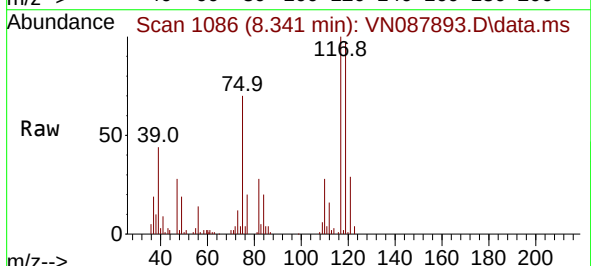
Tgt Ion:117 Resp: 91523

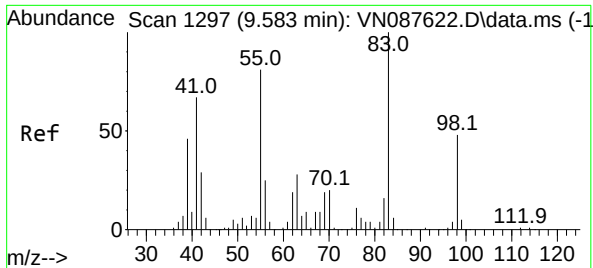
Ion Ratio Lower Upper

117 100

119 96.7 79.0 118.6

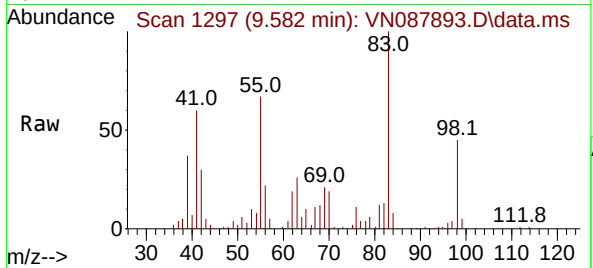
121 28.6 25.0 37.6





#39
Methylcyclohexane
Concen: 18.503 ug/l
RT: 9.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

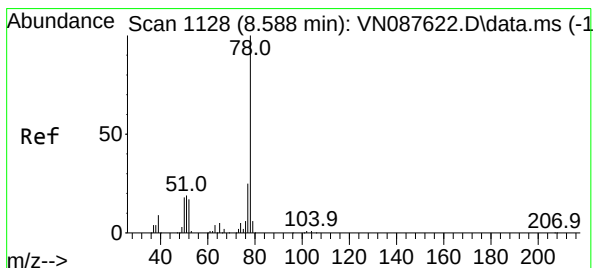
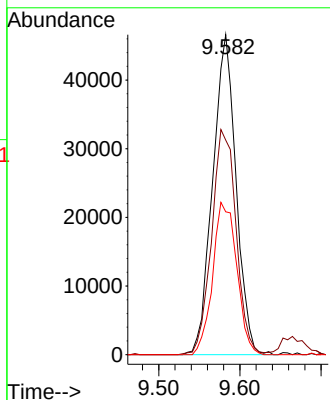
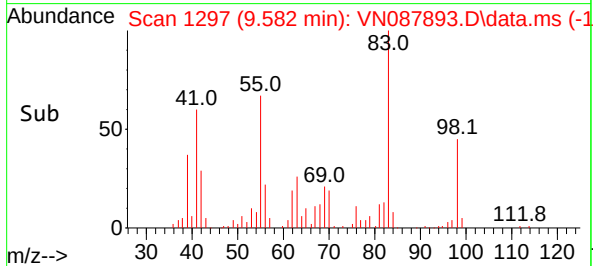
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



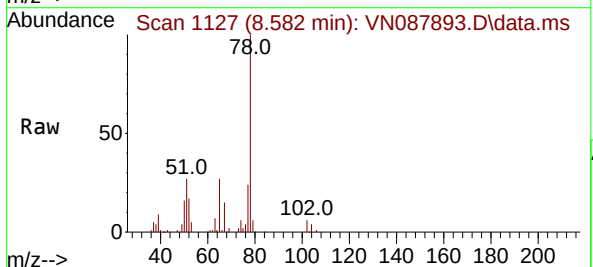
Tgt Ion: 83 Resp: 93135
Ion Ratio Lower Upper
83 100
55 67.1 64.6 96.8
98 44.7 38.4 57.6

Manual Integrations
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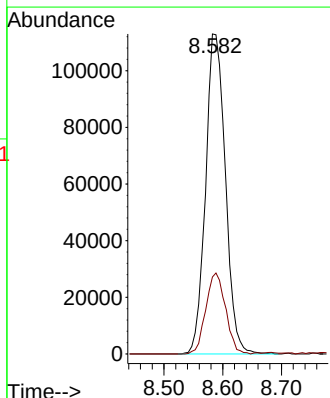
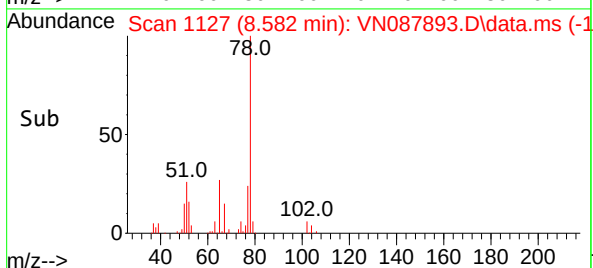
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

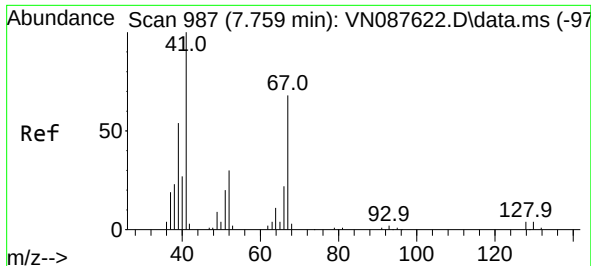


#40
Benzene
Concen: 18.833 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



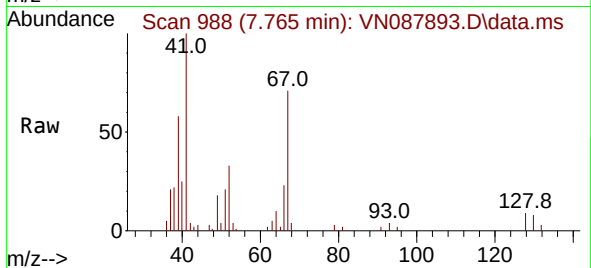
Tgt Ion: 78 Resp: 264099
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5





#41
Methacrylonitrile
Concen: 18.472 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

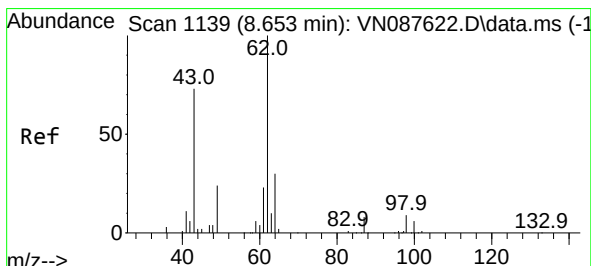
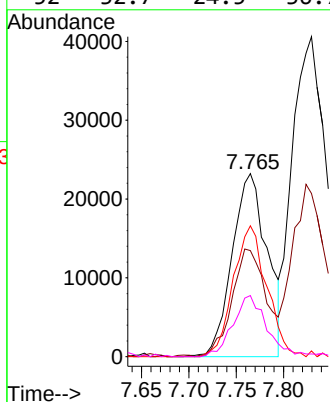
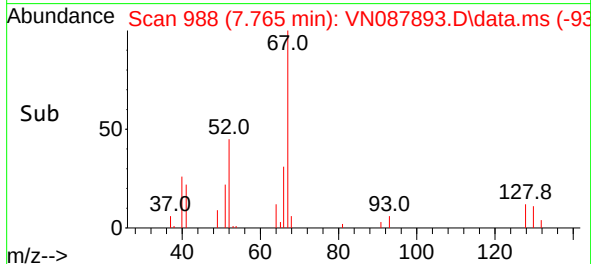
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



Tgt Ion: 41 Resp: 5978
Ion Ratio Lower Upper
41 100
39 57.4 45.4 68.0
67 68.3 55.3 82.9
52 32.7 24.5 36.7

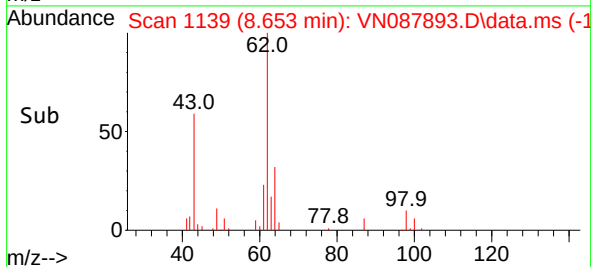
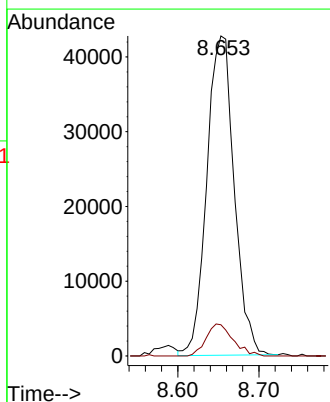
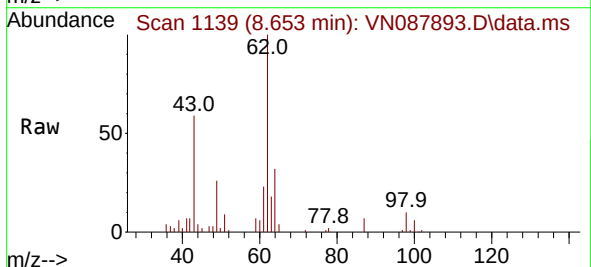
Manual Integrations
APPROVED

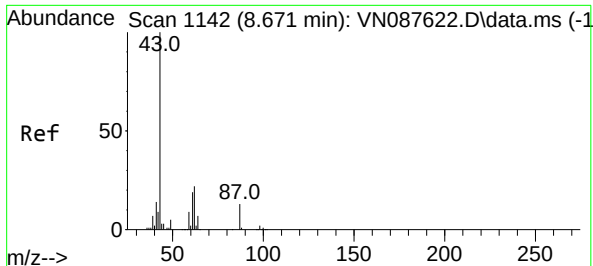
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#42
1,2-Dichloroethane
Concen: 18.577 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

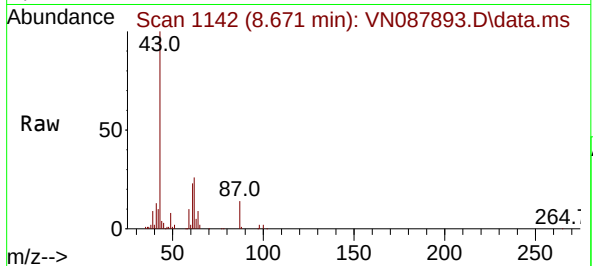
Tgt Ion: 62 Resp: 100105
Ion Ratio Lower Upper
62 100
98 9.9 0.0 17.4





#43
Isopropyl Acetate
Concen: 18.094 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

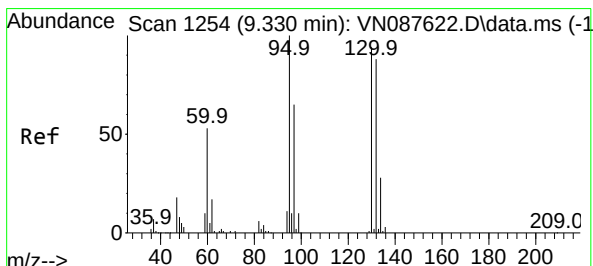
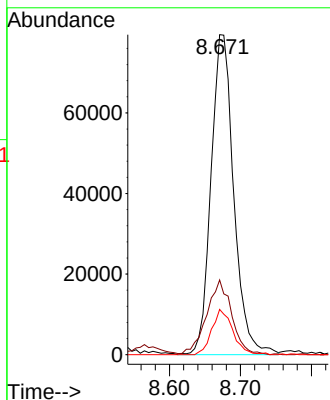
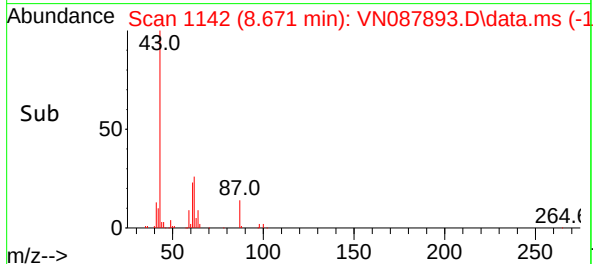
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



Tgt Ion: 43 Resp: 17648
Ion Ratio Lower Upper
43 100
61 25.8 18.8 28.2
87 13.1 9.6 14.4

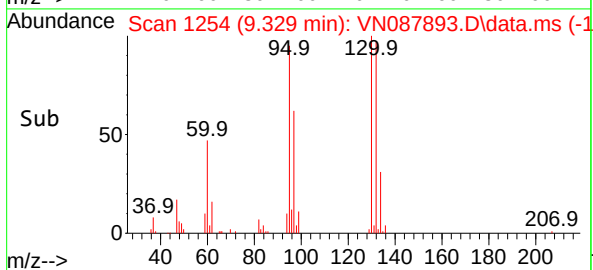
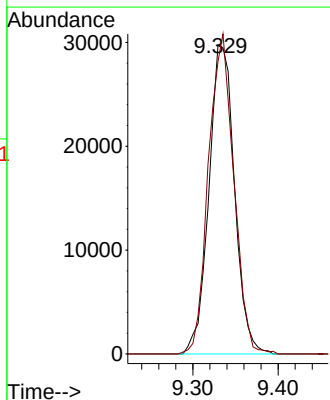
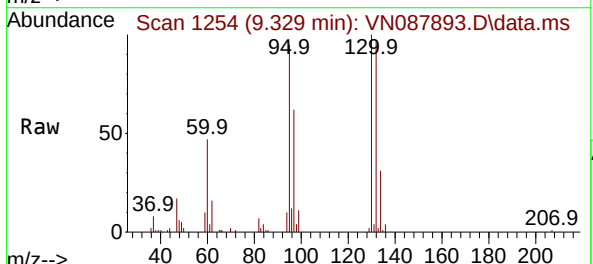
Manual Integrations
APPROVED

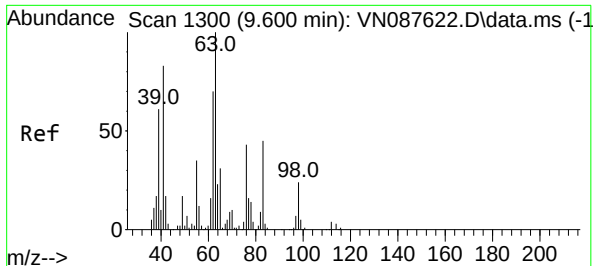
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#44
Trichloroethene
Concen: 19.426 ug/l
RT: 9.329 min Scan# 1254
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion:130 Resp: 62193
Ion Ratio Lower Upper
130 100
95 94.7 0.0 212.0





#45

1,2-Dichloropropane

Concen: 17.946 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN087893.D

Acq: 18 Sep 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0918MBSD01

Tgt Ion: 63 Resp: 66334

Ion Ratio Lower Upper

63 100

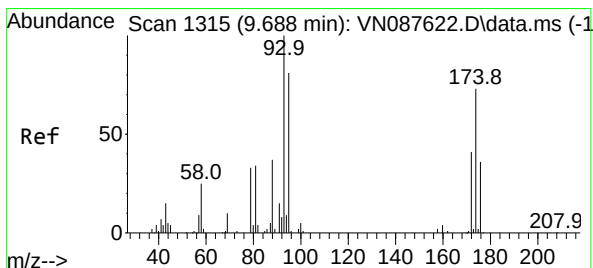
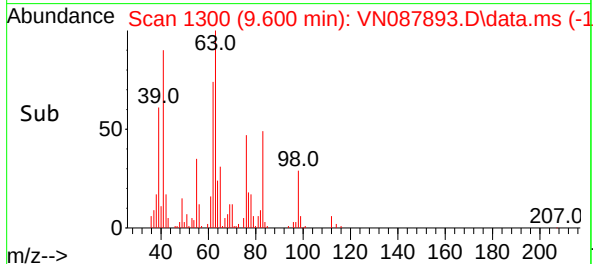
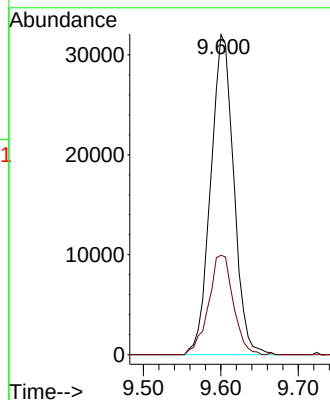
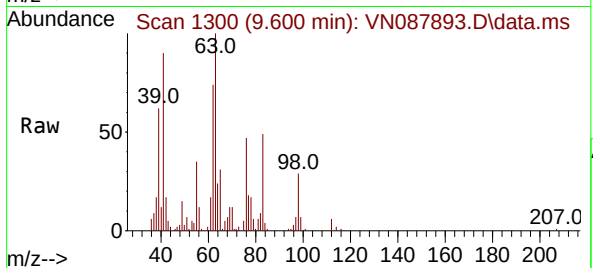
65 31.1 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2025

Supervised By :Mahesh Dadoda 09/19/2025



#46

Dibromomethane

Concen: 20.138 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN087893.D

Acq: 18 Sep 2025 14:06

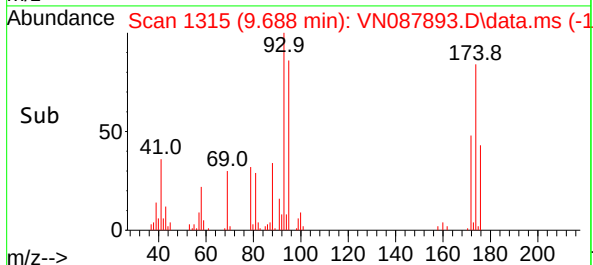
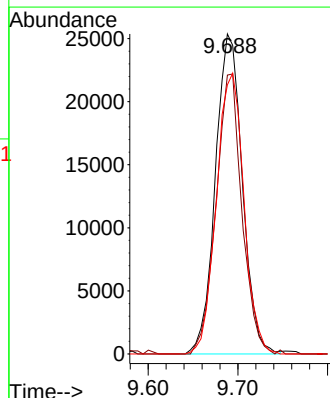
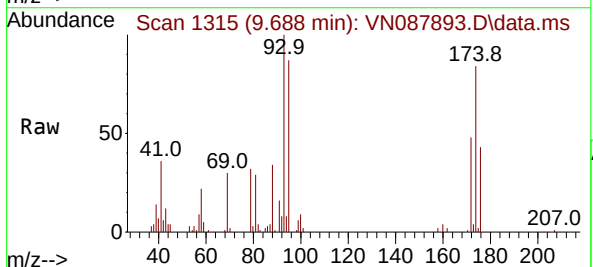
Tgt Ion: 93 Resp: 52969

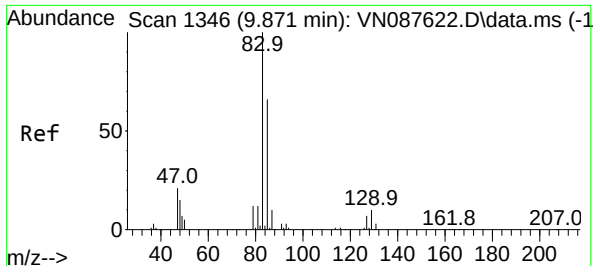
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

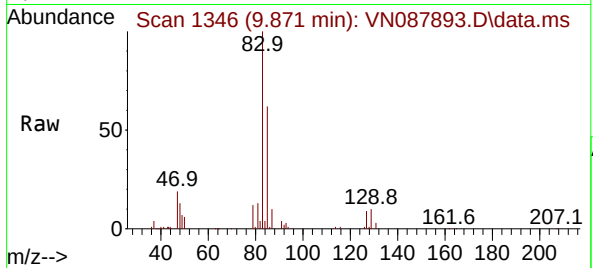
174 89.3 63.4 95.2





#47
Bromodichloromethane
Concen: 19.012 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

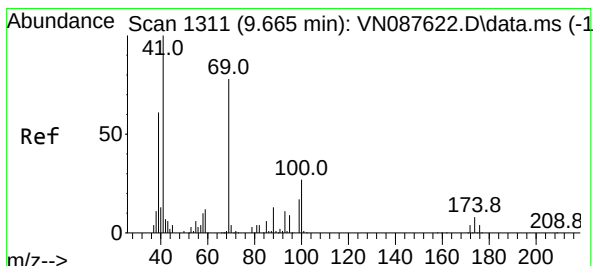
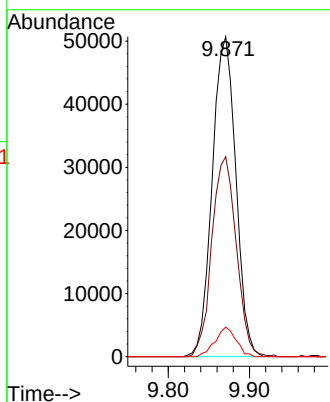
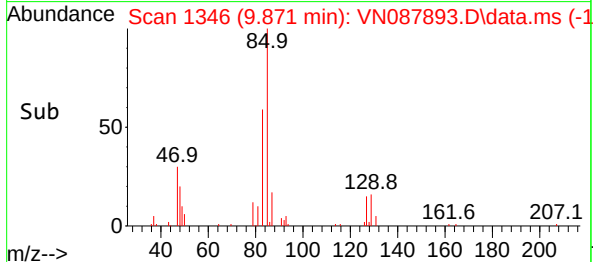
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



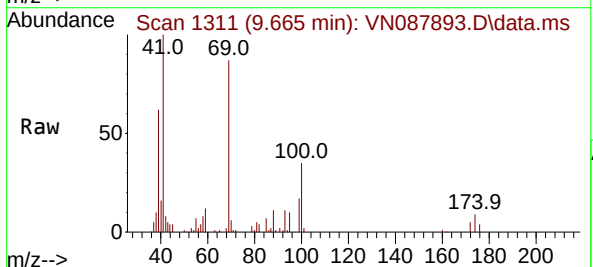
Tgt Ion: 83 Resp: 10248
Ion Ratio Lower Upper
83 100
85 62.5 52.5 78.7
127 9.3 5.8 8.6

Manual Integrations
APPROVED

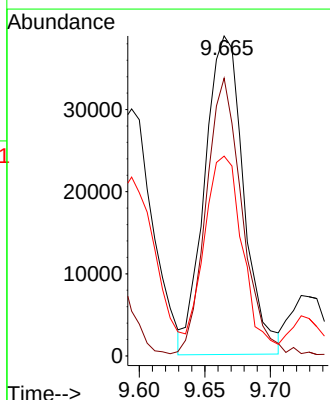
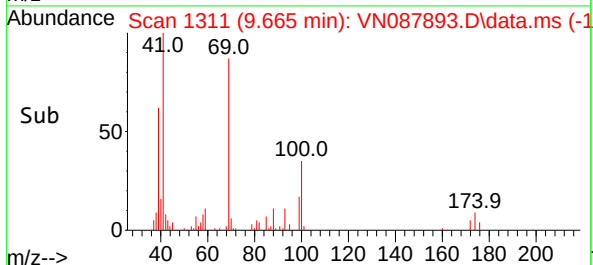
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

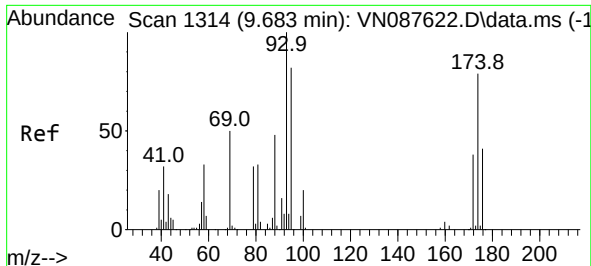


#48
Methyl methacrylate
Concen: 17.354 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



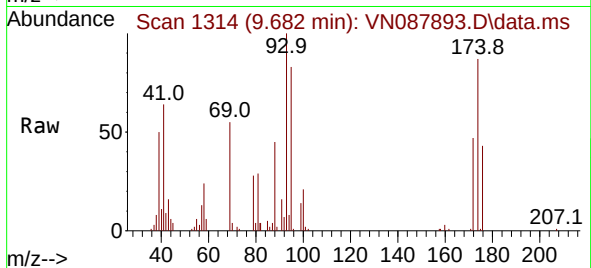
Tgt Ion: 41 Resp: 80068
Ion Ratio Lower Upper
41 100
69 82.2 62.7 94.1
39 61.7 52.9 79.3





#49
1,4-Dioxane
Concen: 370.470 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

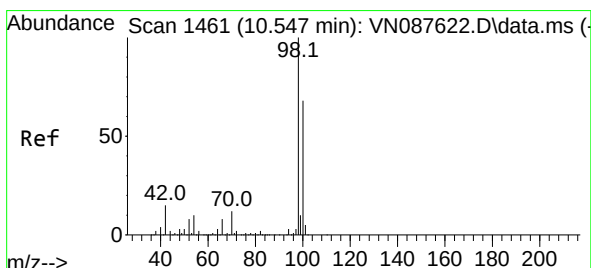
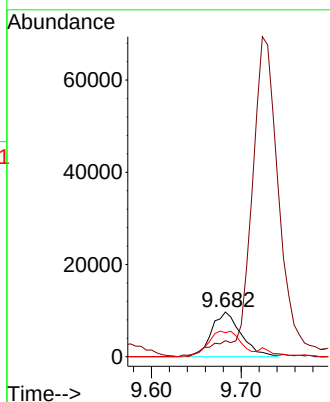
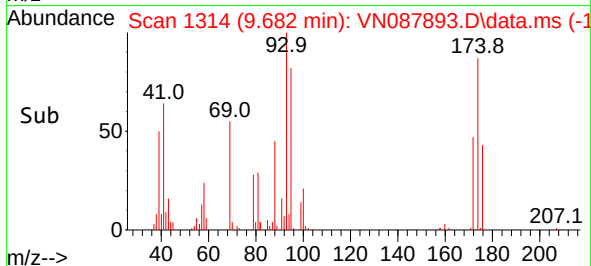
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



Tgt Ion: 88 Resp: 22154
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 61.4 57.9 86.9

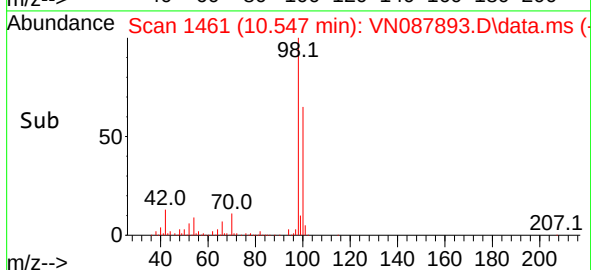
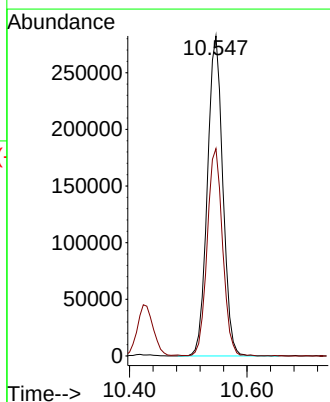
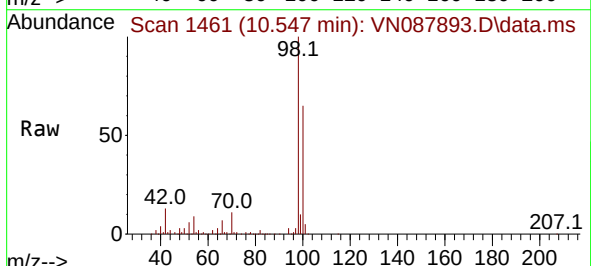
Manual Integrations
APPROVED

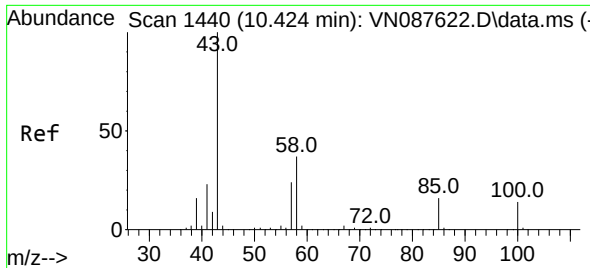
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#50
Toluene-d8
Concen: 45.952 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion: 98 Resp: 512563
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2





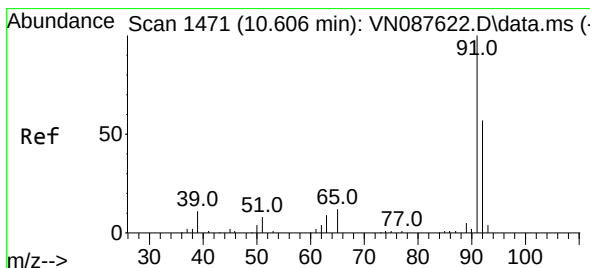
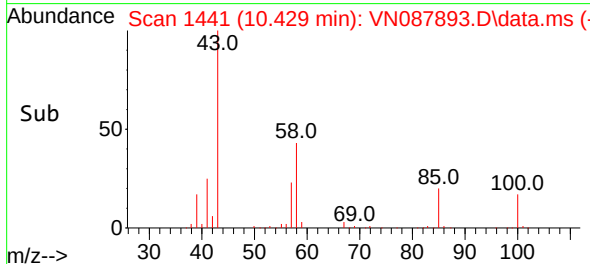
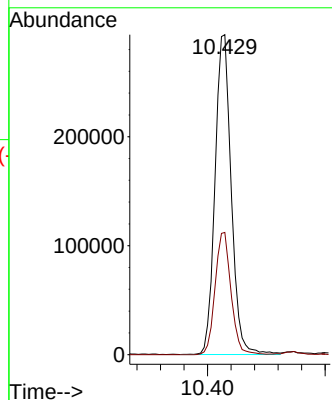
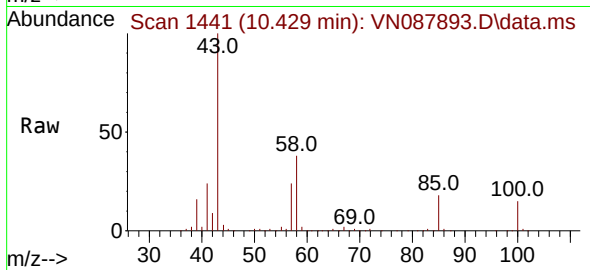
#51
4-Methyl-2-Pentanone
Concen: 95.473 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01

Tgt Ion: 43 Resp: 561850
Ion Ratio Lower Upper
43 100
58 37.6 29.6 44.4

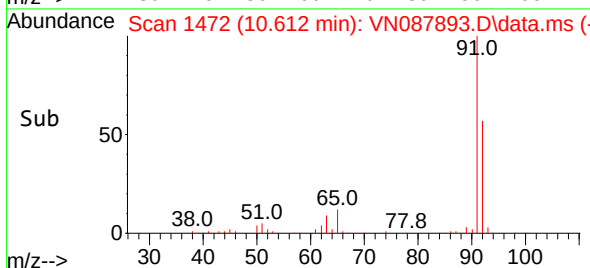
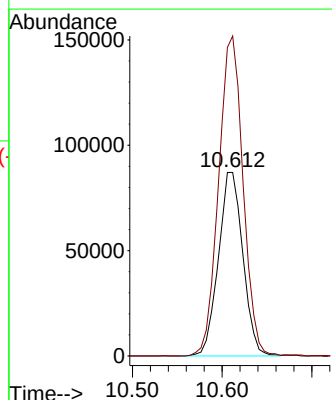
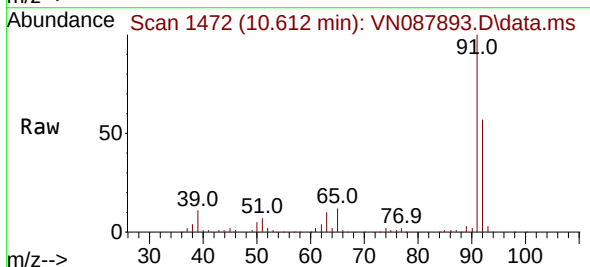
Manual Integrations
APPROVED

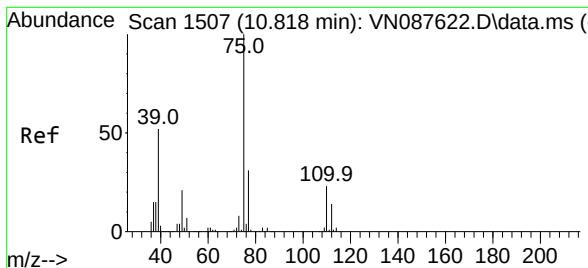
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#52
Toluene
Concen: 18.957 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

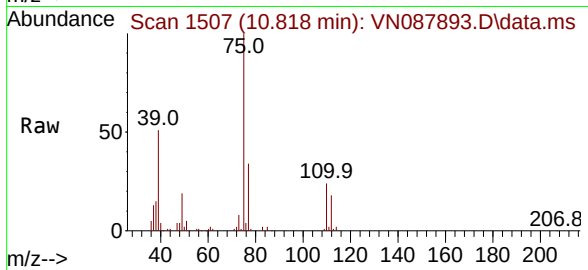
Tgt Ion: 92 Resp: 164800
Ion Ratio Lower Upper
92 100
91 174.5 140.4 210.6





#53
t-1,3-Dichloropropene
Concen: 18.875 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

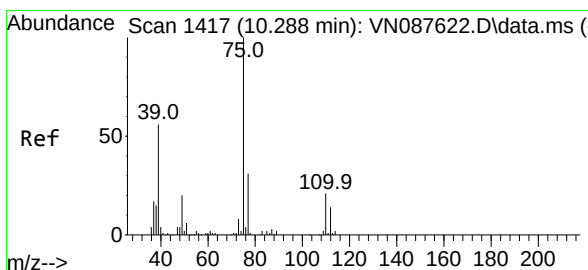
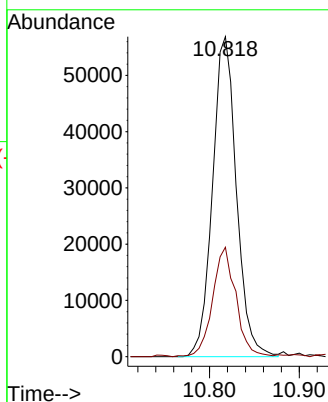
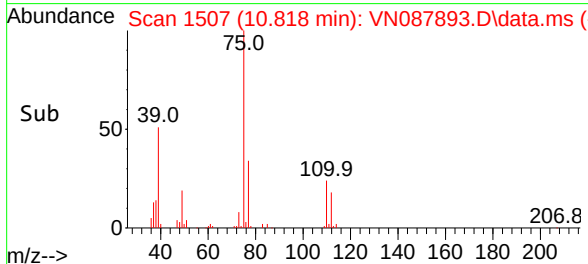
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



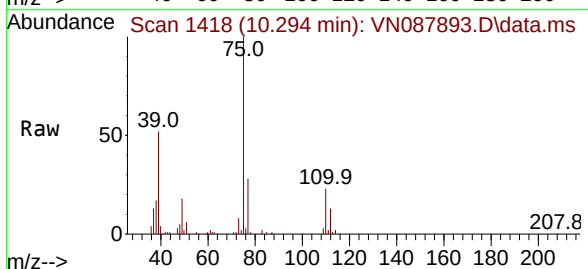
Tgt Ion: 75 Resp: 10532
Ion Ratio Lower Upper
75 100
77 33.9 25.2 37.8

Manual Integrations
APPROVED

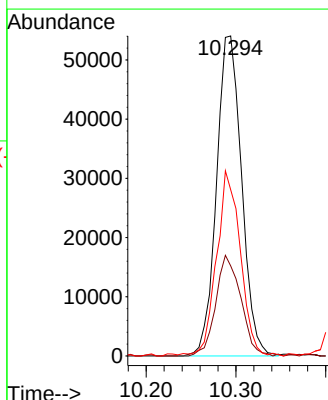
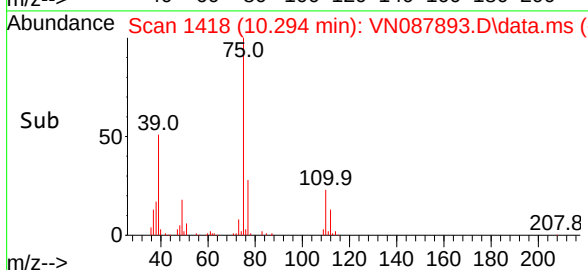
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

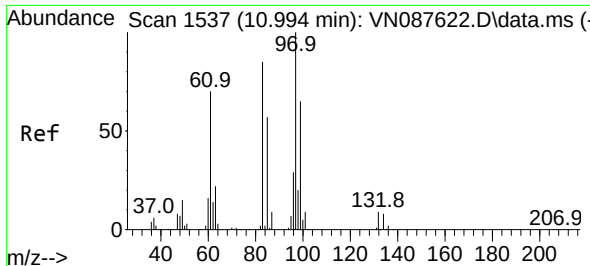


#54
cis-1,3-Dichloropropene
Concen: 18.149 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



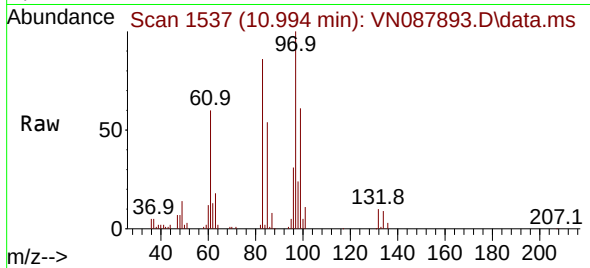
Tgt Ion: 75 Resp: 105152
Ion Ratio Lower Upper
75 100
77 28.2 24.6 37.0
39 51.6 45.2 67.8





#55
1,1,2-Trichloroethane
Concen: 20.500 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

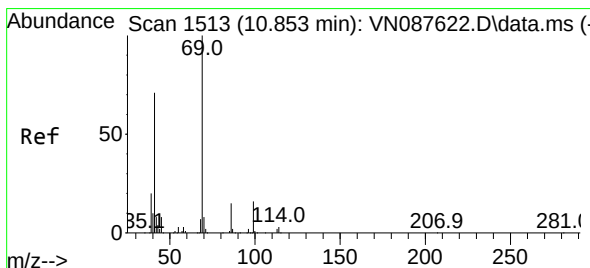
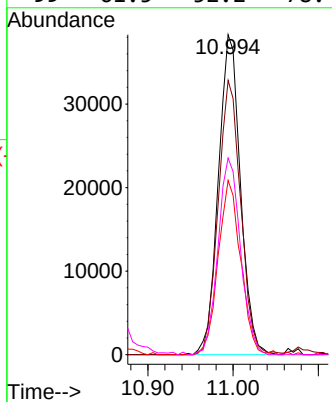
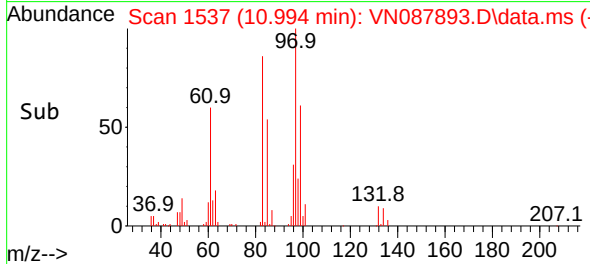
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.2	102.4
85	54.4	45.5	68.3
99	61.5	52.2	78.4

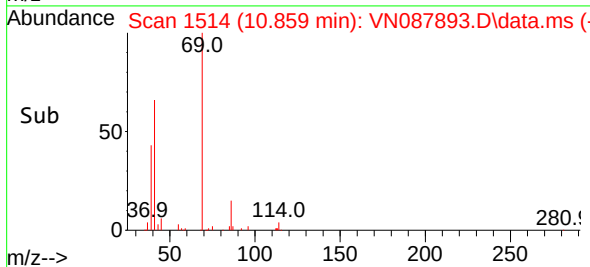
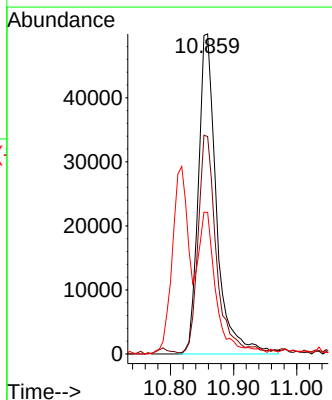
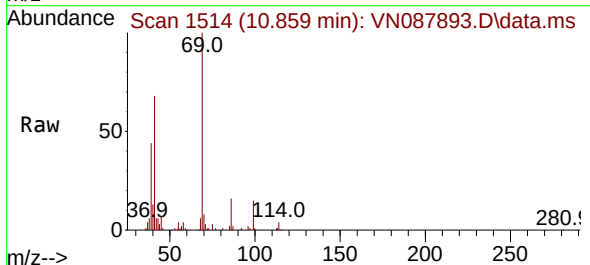
Manual Integrations
APPROVED

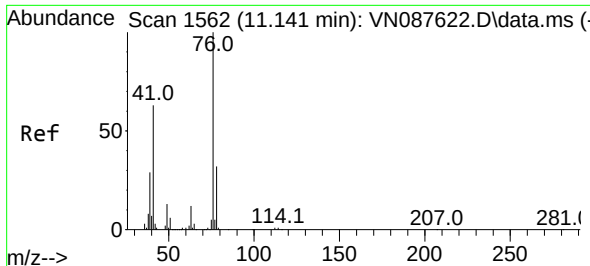
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#56
Ethyl methacrylate
Concen: 18.641 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

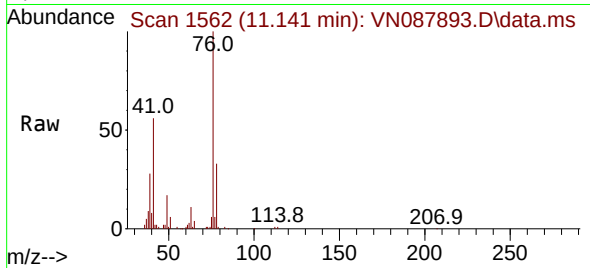
Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.1	56.5	84.7
39	43.0	34.2	51.4





#57
1,3-Dichloropropane
Concen: 19.647 ug/l
RT: 11.141 min Scan# 116934
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

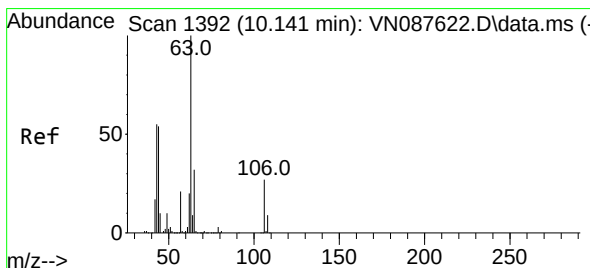
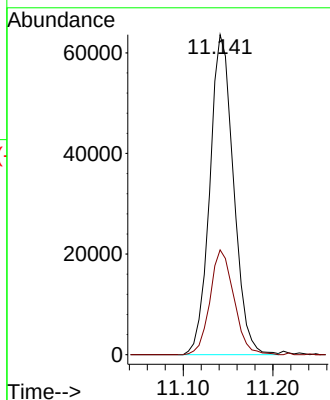
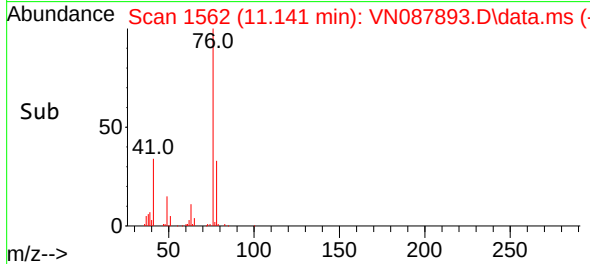
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



Tgt Ion: 76 Resp: 116934
Ion Ratio Lower Upper
76 100
78 32.9 26.2 39.4

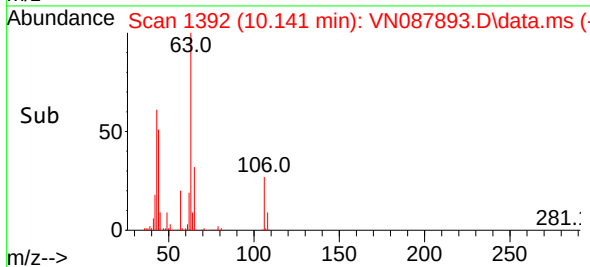
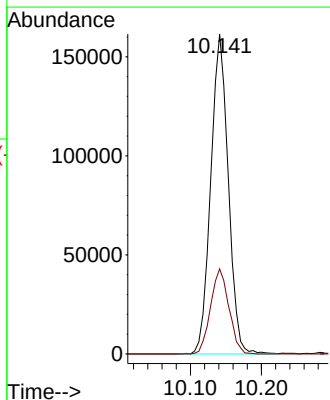
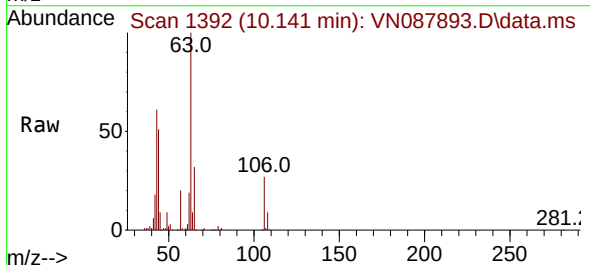
Manual Integrations
APPROVED

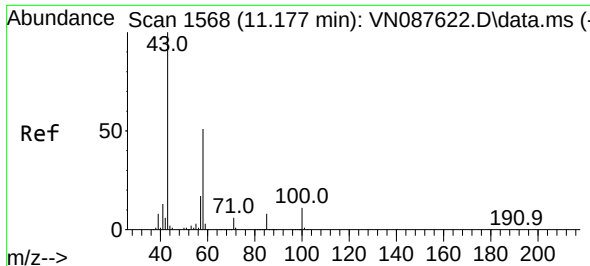
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#58
2-Chloroethyl Vinyl ether
Concen: 94.879 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion: 63 Resp: 276000
Ion Ratio Lower Upper
63 100
106 27.8 21.1 31.7





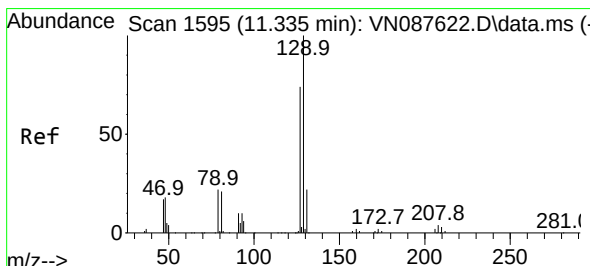
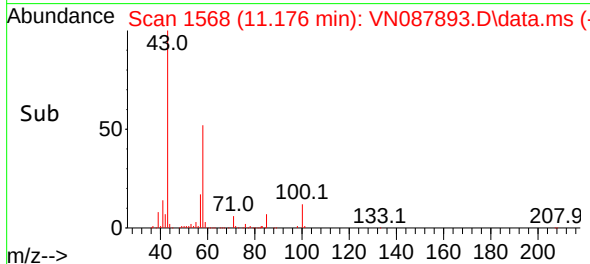
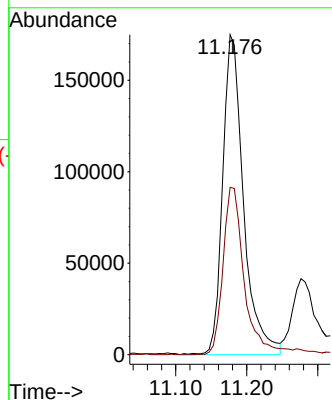
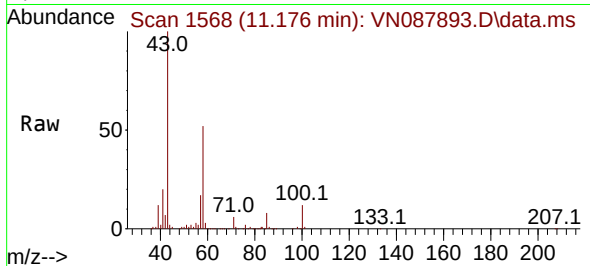
#59
2-Hexanone
Concen: 95.651 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01

Tgt Ion: 43 Resp: 355754
Ion Ratio Lower Upper
43 100
58 53.3 25.9 77.8

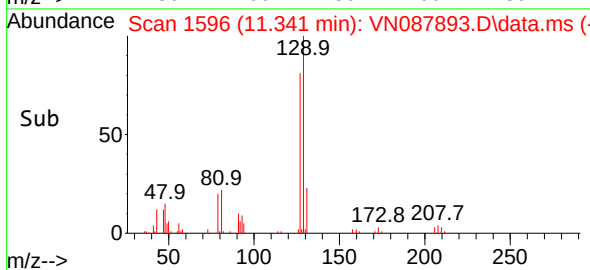
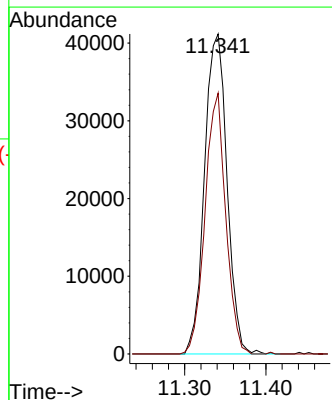
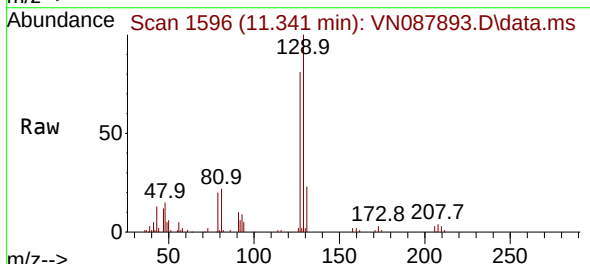
Manual Integrations
APPROVED

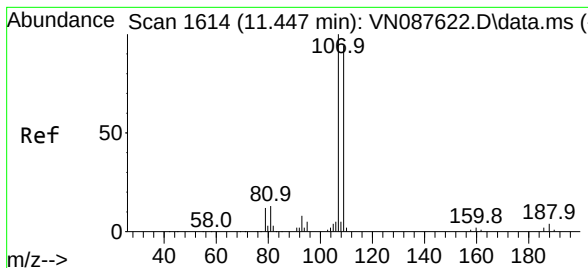
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#60
Dibromochloromethane
Concen: 20.329 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

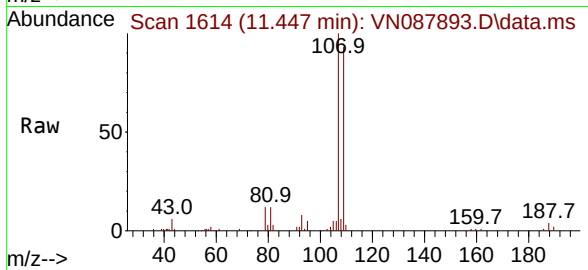
Tgt Ion:129 Resp: 79214
Ion Ratio Lower Upper
129 100
127 75.0 39.1 117.3





#61
1,2-Dibromoethane
Concen: 20.173 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

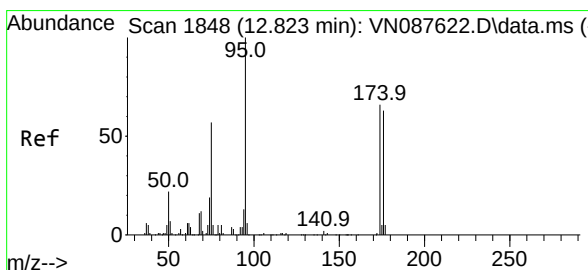
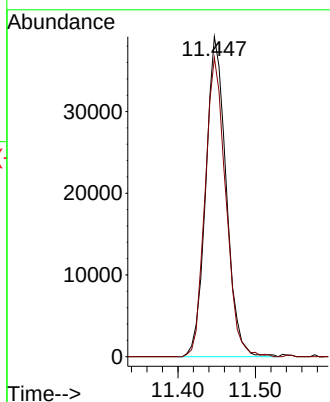
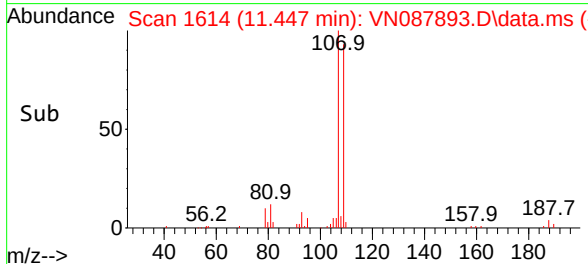
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



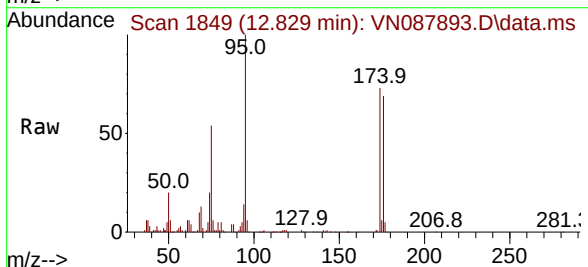
Tgt Ion:107 Resp: 7153
Ion Ratio Lower Upper
107 100
109 94.8 74.7 112.1

Manual Integrations
APPROVED

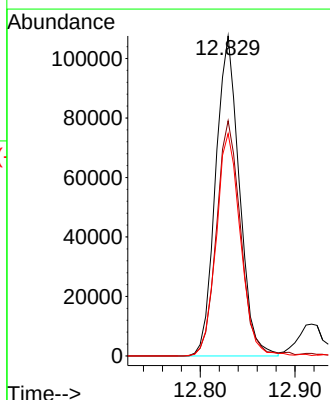
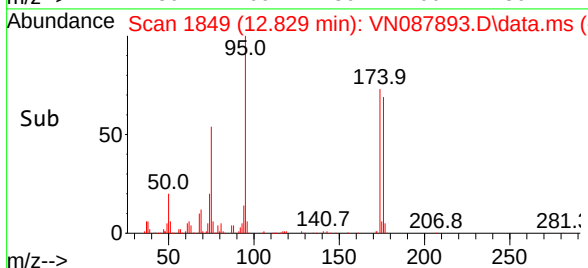
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

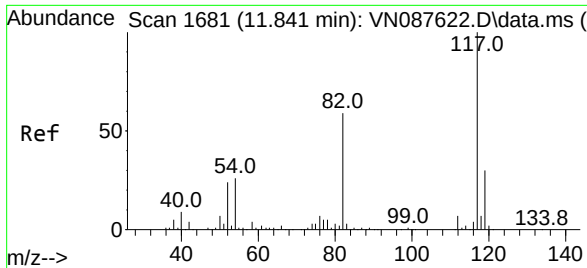


#62
4-Bromofluorobenzene
Concen: 47.191 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



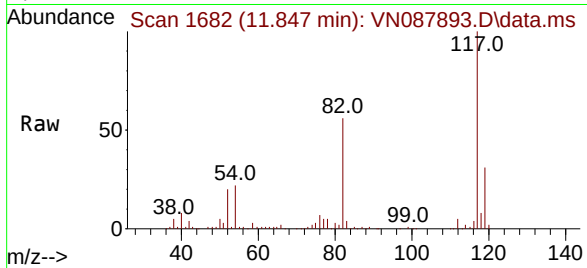
Tgt Ion: 95 Resp: 187197
Ion Ratio Lower Upper
95 100
174 74.9 0.0 138.4
176 71.0 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

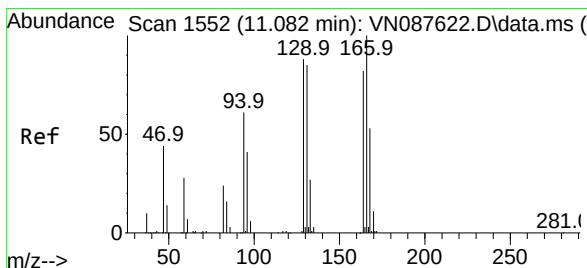
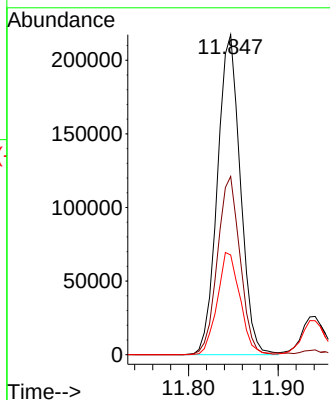
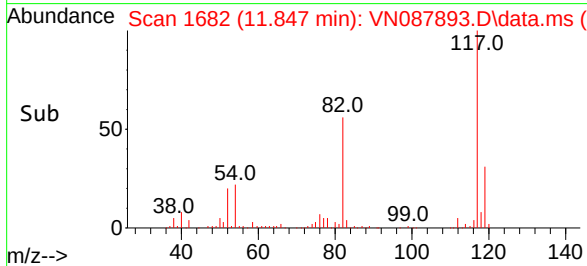
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



Tgt Ion:117 Resp: 385924
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 31.2 24.3 36.5

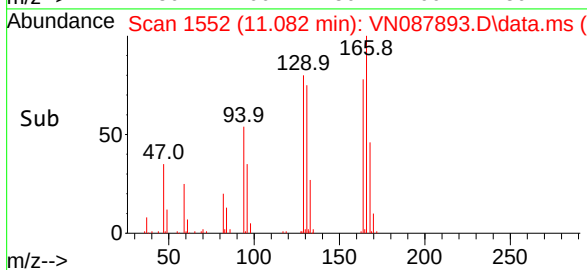
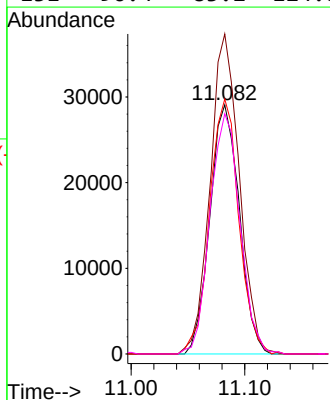
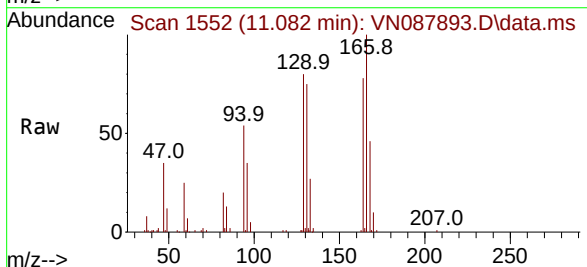
Manual Integrations
APPROVED

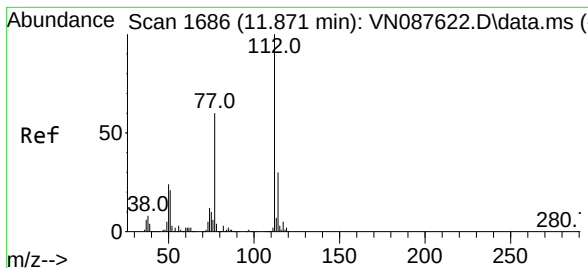
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#64
Tetrachloroethene
Concen: 19.525 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

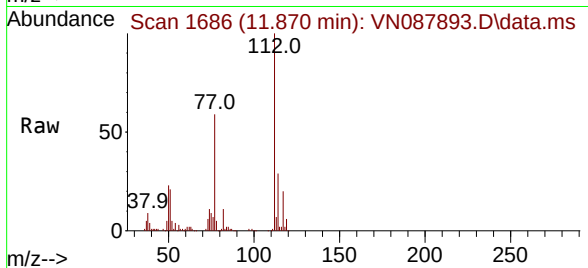
Tgt Ion:164 Resp: 52278
Ion Ratio Lower Upper
164 100
166 128.4 97.7 146.5
129 102.3 85.9 128.9
131 96.4 83.2 124.8





#65
Chlorobenzene
Concen: 19.122 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

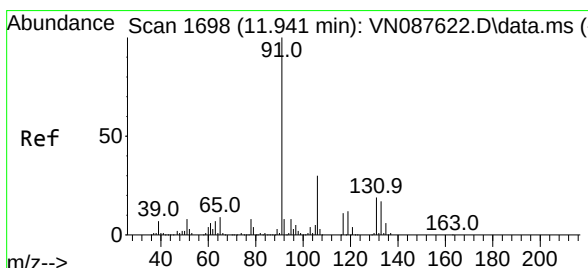
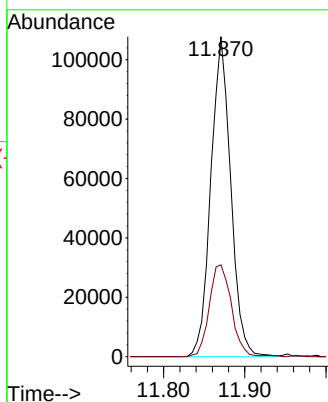
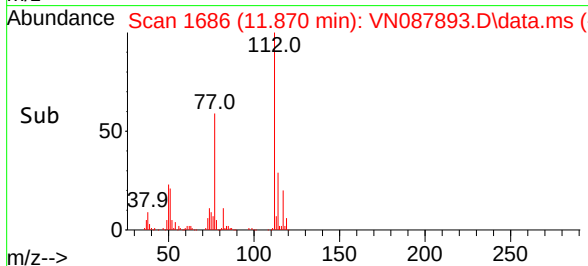
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



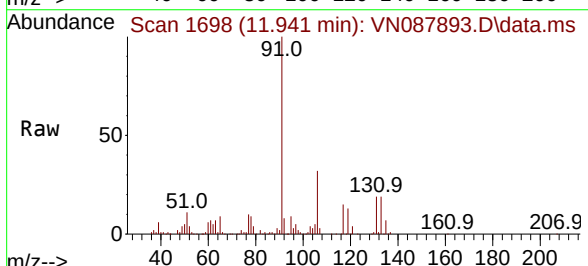
Tgt Ion:112 Resp: 183592
Ion Ratio Lower Upper
112 100
114 28.7 24.3 36.5

Manual Integrations
APPROVED

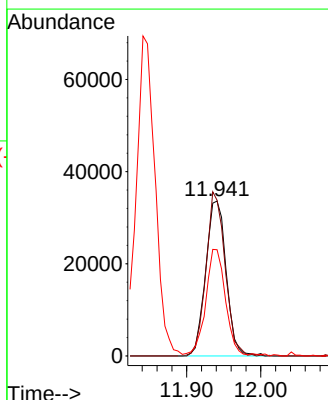
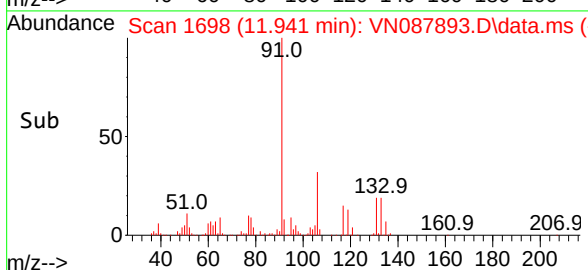
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

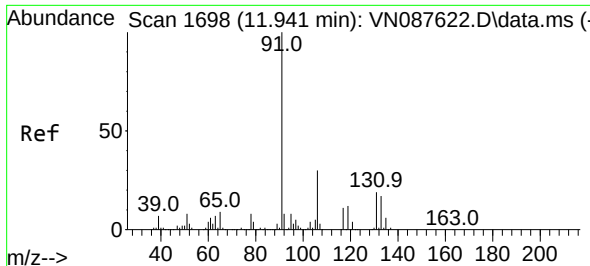


#66
1,1,1,2-Tetrachloroethane
Concen: 20.305 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



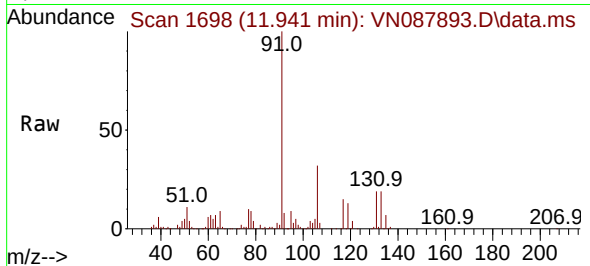
Tgt Ion:131 Resp: 64720
Ion Ratio Lower Upper
131 100
133 98.4 48.0 144.0
119 64.5 32.6 97.7





#67
Ethyl Benzene
Concen: 18.417 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

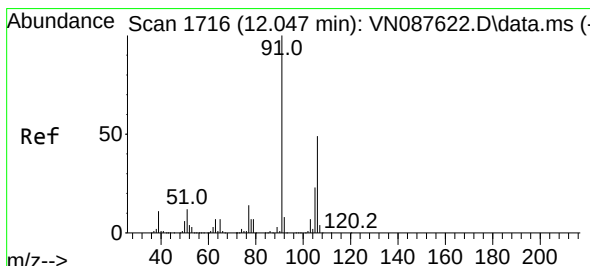
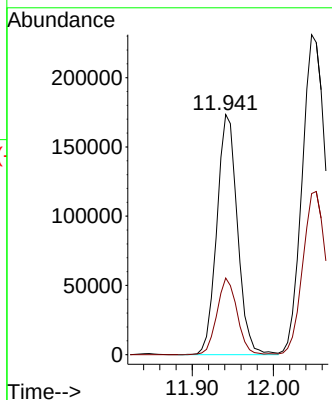
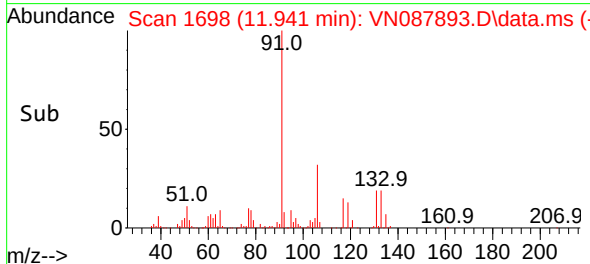
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



Tgt Ion: 91 Resp: 30615
Ion Ratio Lower Upper
91 100
106 31.9 24.1 36.1

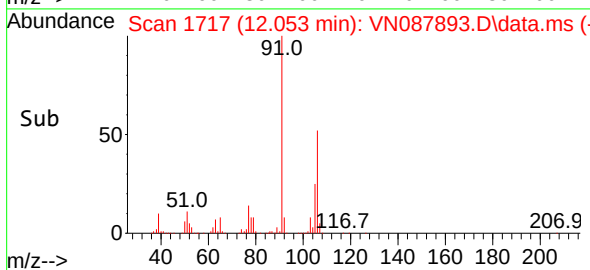
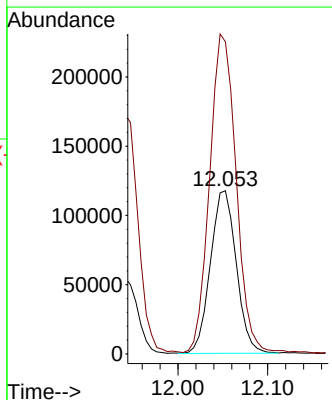
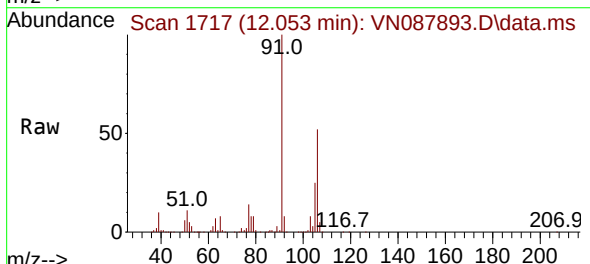
Manual Integrations
APPROVED

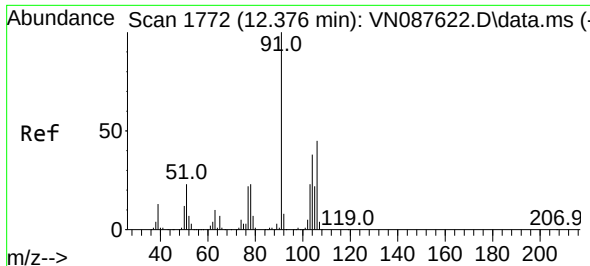
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#68
m/p-Xylenes
Concen: 38.542 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion:106 Resp: 234979
Ion Ratio Lower Upper
106 100
91 202.2 169.3 253.9





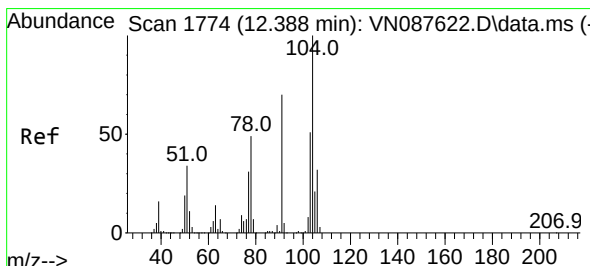
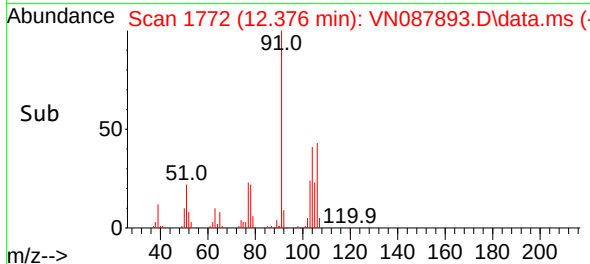
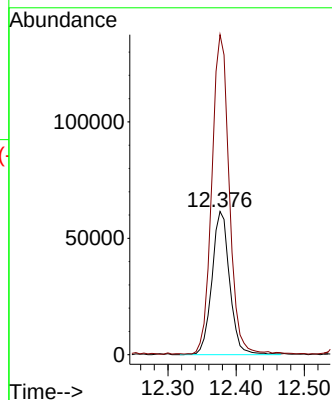
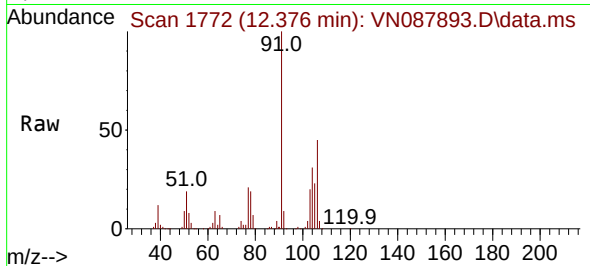
#69
o-Xylene
Concen: 18.611 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01

Tgt Ion:106 Resp: 111190
Ion Ratio Lower Upper
106 100
91 219.5 111.4 334.2

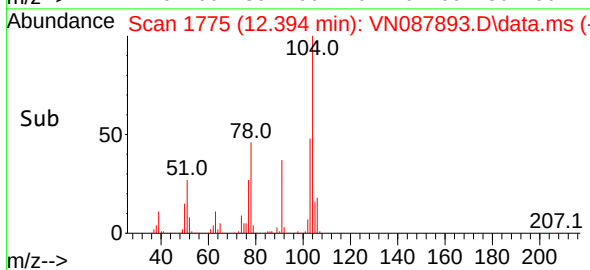
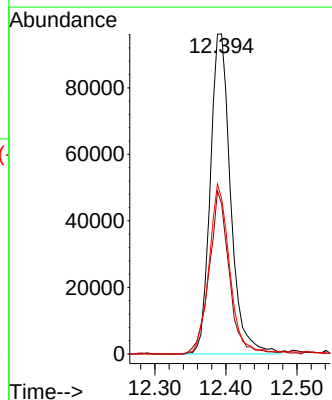
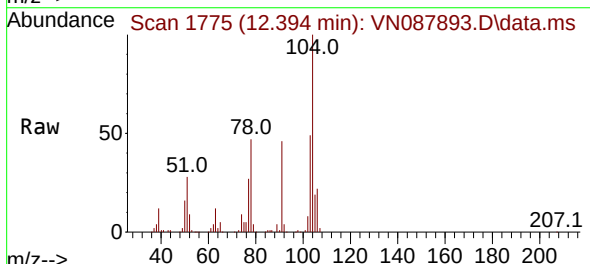
Manual Integrations
APPROVED

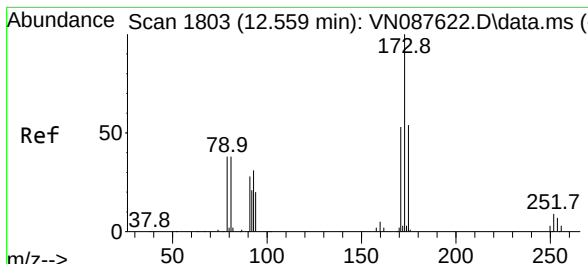
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#70
Styrene
Concen: 19.103 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

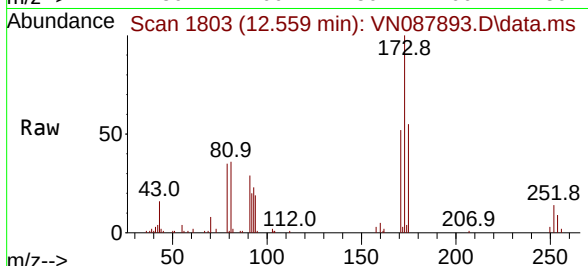
Tgt Ion:104 Resp: 191216
Ion Ratio Lower Upper
104 100
78 50.0 42.2 63.2
103 54.2 43.4 65.2





#71
Bromoform
Concen: 21.544 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

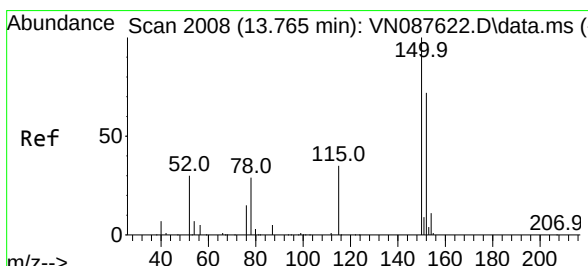
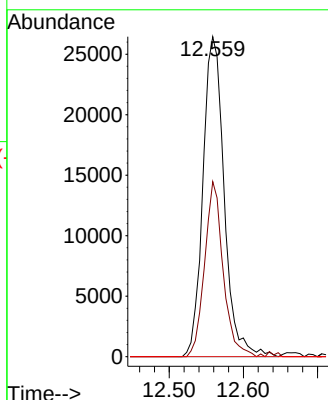
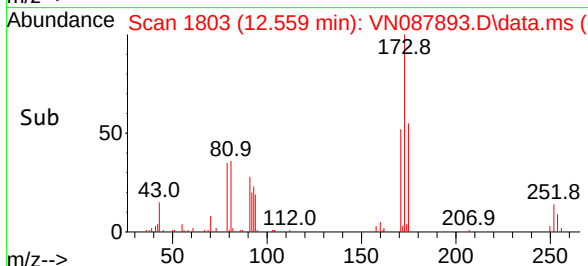
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



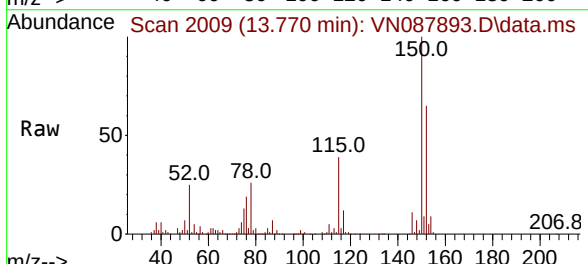
Tgt Ion:173 Resp: 5266
Ion Ratio Lower Upper
173 100
175 47.8 24.9 74.6
254 0.0 0.1 0.1

Manual Integrations
APPROVED

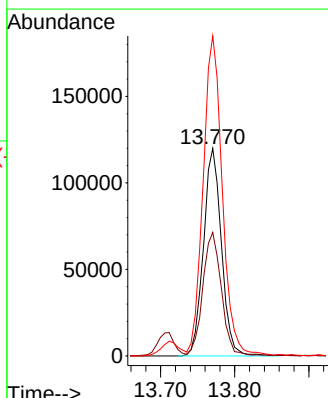
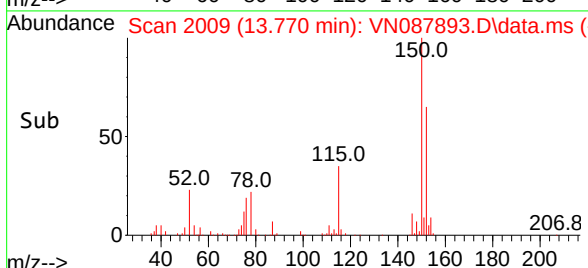
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

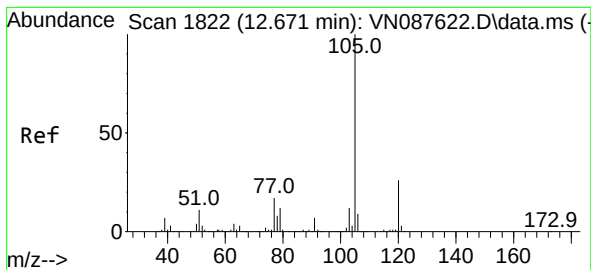


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



Tgt Ion:152 Resp: 202194
Ion Ratio Lower Upper
152 100
115 60.8 32.3 96.8
150 163.3 0.0 351.0





#73

Isopropylbenzene

Concen: 17.852 ug/l

RT: 12.676 min Scan# 1801

Delta R.T. 0.006 min

Lab File: VN087893.D

Acq: 18 Sep 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0918MBSD01

Tgt Ion:105 Resp: 29168

Ion Ratio Lower Upper

105 100

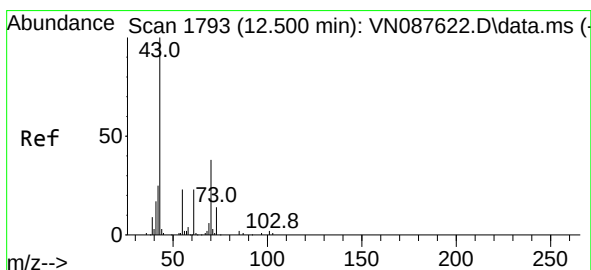
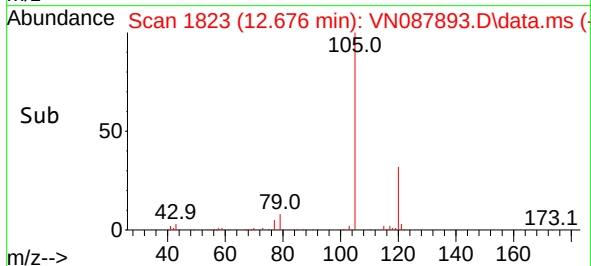
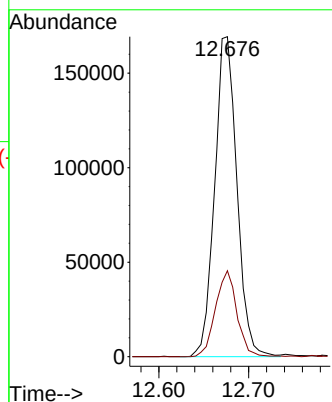
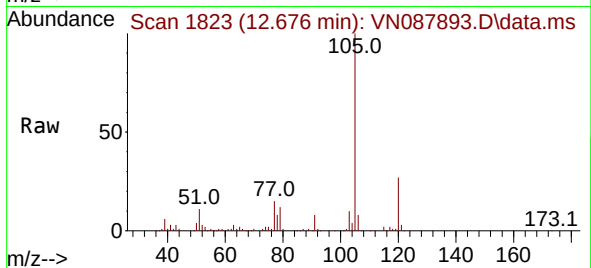
120 25.9 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2025

Supervised By :Mahesh Dadoda 09/19/2025



#74

N-ethyl acetate

Concen: 16.916 ug/l m

RT: 12.547 min Scan# 1801

Delta R.T. 0.047 min

Lab File: VN087893.D

Acq: 18 Sep 2025 14:06

Tgt Ion: 43 Resp: 104740

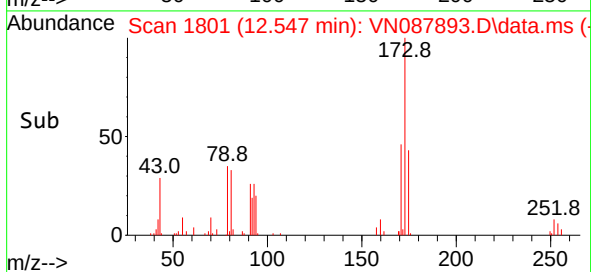
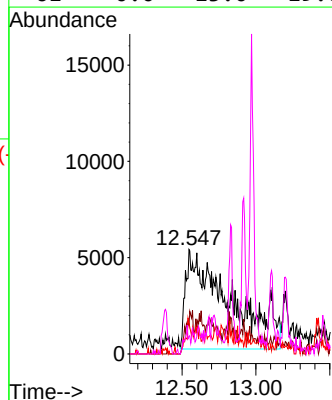
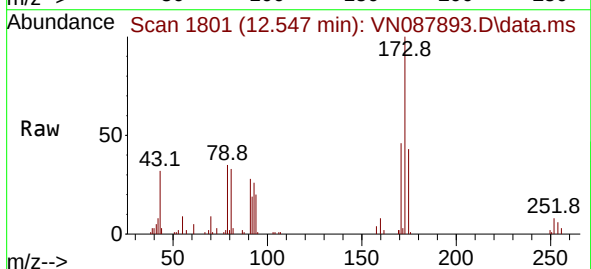
Ion Ratio Lower Upper

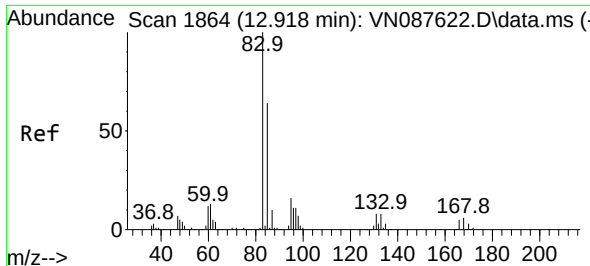
43 100

70 0.0 27.6 41.4#

55 0.0 13.0 19.6#

61 0.0 13.0 19.6#





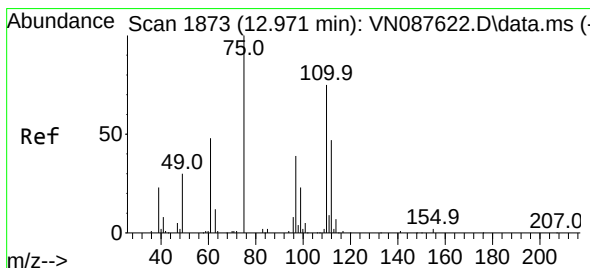
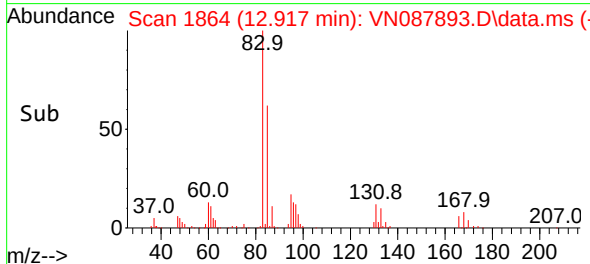
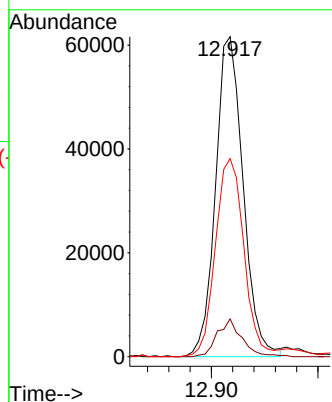
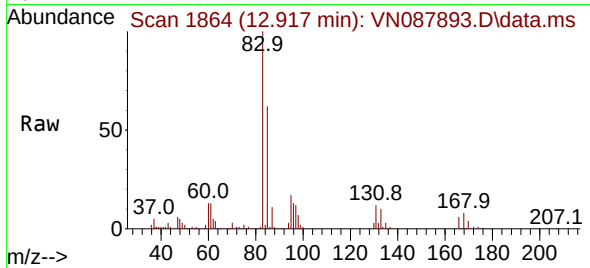
#75
1,1,2,2-Tetrachloroethane
Concen: 19.700 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01

Tgt Ion: 83 Resp: 11081
Ion Ratio Lower Upper
83 100
131 10.6 4.8 14.4
85 63.7 32.1 96.3

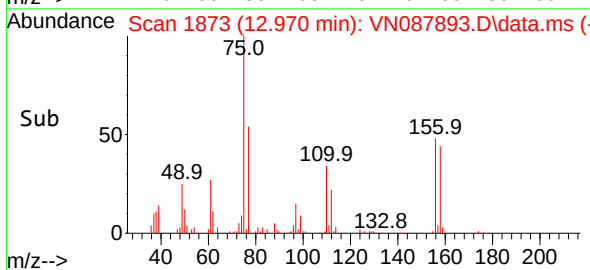
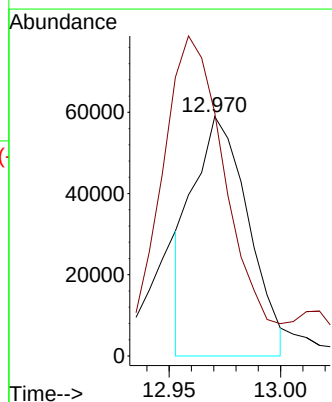
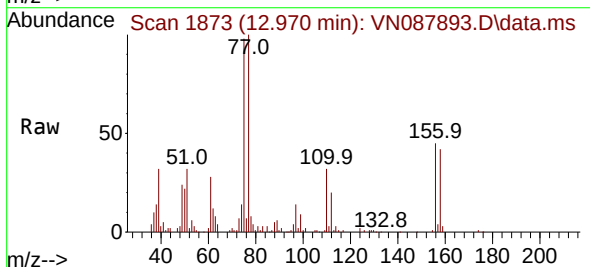
Manual Integrations
APPROVED

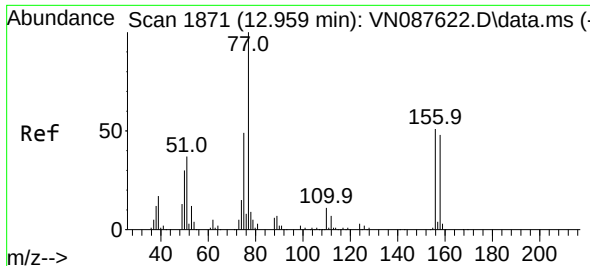
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#76
1,2,3-Trichloropropane
Concen: 21.497 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion: 75 Resp: 101931
Ion Ratio Lower Upper
75 100
77 161.2 89.1 267.4





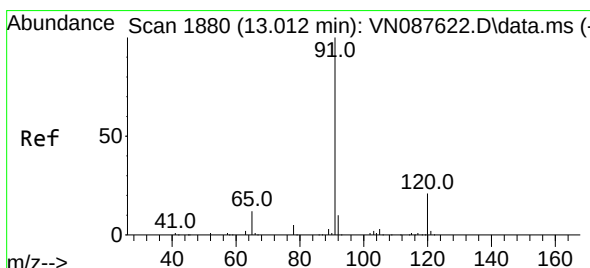
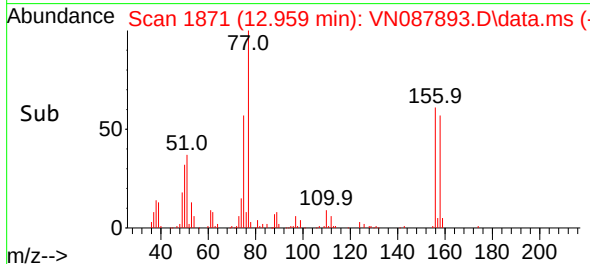
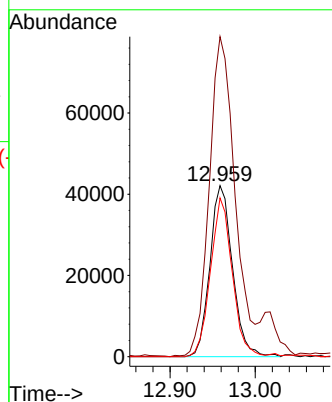
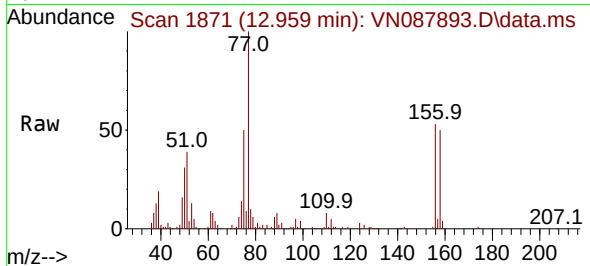
#77
Bromobenzene
Concen: 20.129 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01

Tgt Ion:156 Resp: 77544
Ion Ratio Lower Upper
156 100
77 211.9 119.3 358.0
158 89.3 48.2 144.6

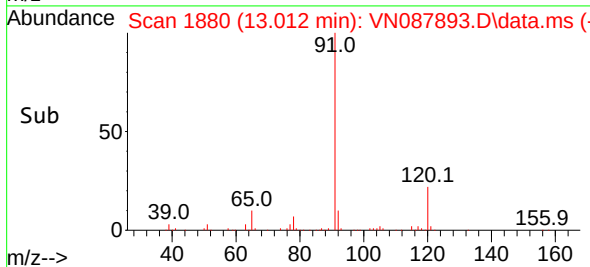
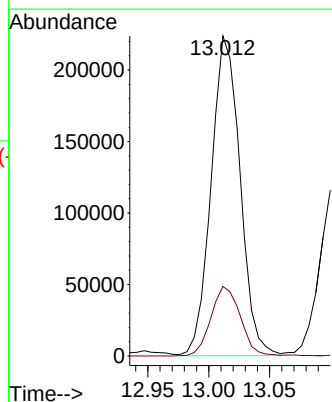
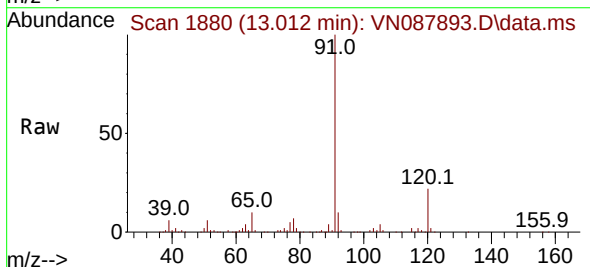
Manual Integrations
APPROVED

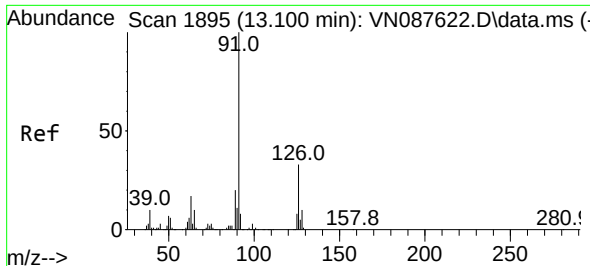
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#78
n-propylbenzene
Concen: 18.373 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

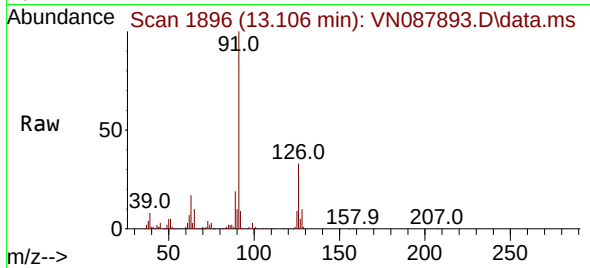
Tgt Ion: 91 Resp: 369757
Ion Ratio Lower Upper
91 100
120 22.3 10.7 32.1





#79
2-Chlorotoluene
Concen: 17.917 ug/l
RT: 13.106 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

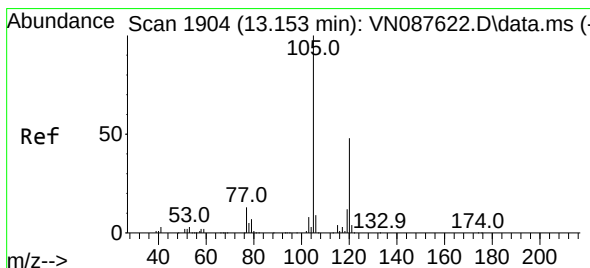
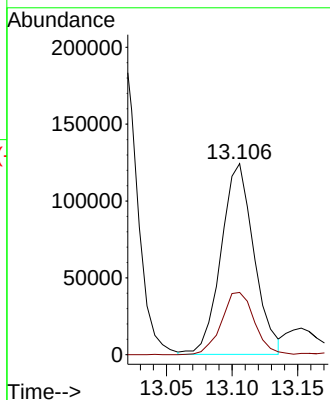
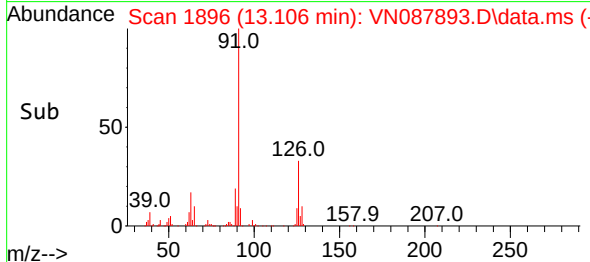
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



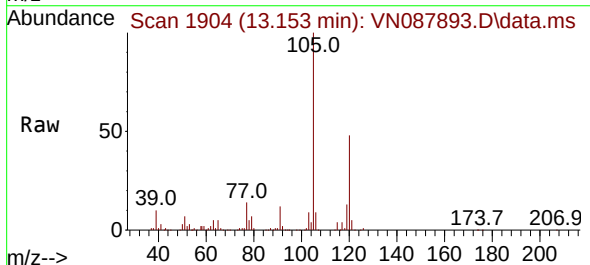
Tgt Ion: 91 Resp: 216990
Ion Ratio Lower Upper
91 100
126 32.7 16.1 48.3

Manual Integrations
APPROVED

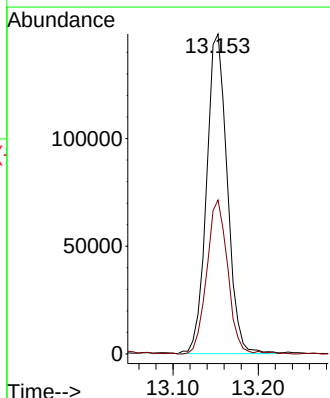
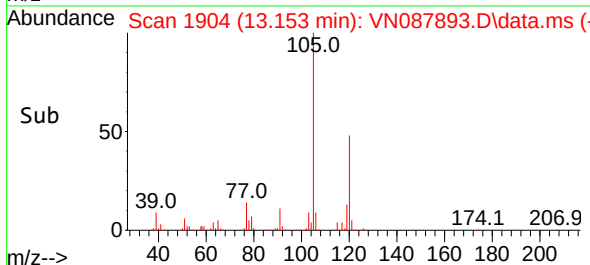
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

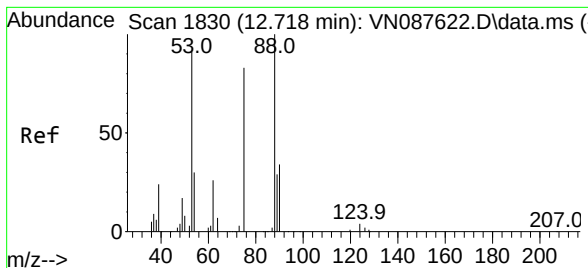


#80
1,3,5-Trimethylbenzene
Concen: 18.027 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



Tgt Ion:105 Resp: 249865
Ion Ratio Lower Upper
105 100
120 49.0 23.2 69.6





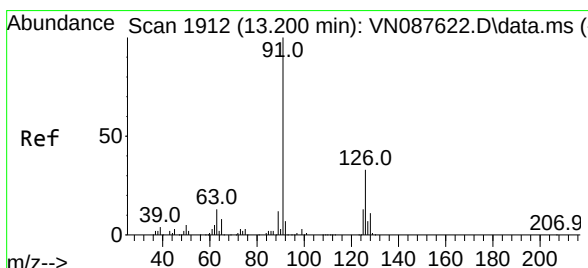
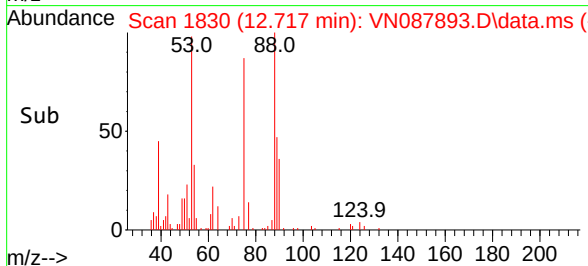
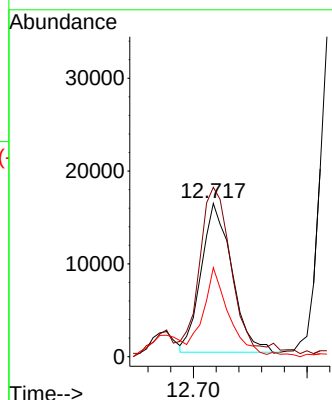
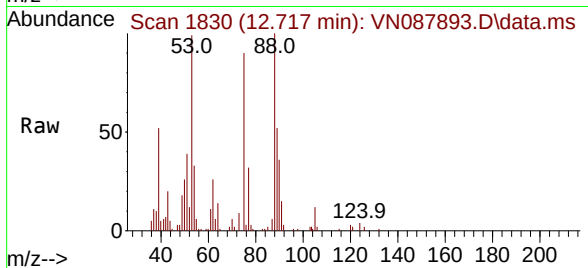
#81
trans-1,4-Dichloro-2-butene
Concen: 16.778 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01

Tgt Ion: 75 Resp: 30050
Ion Ratio Lower Upper
75 100
53 120.8 101.8 152.6
89 47.6 35.6 53.4

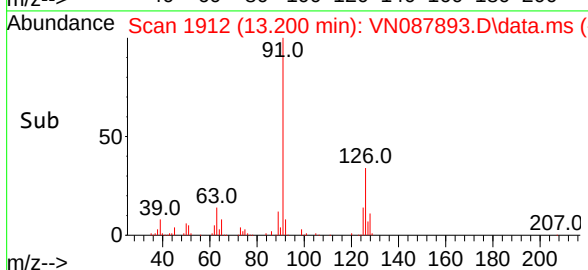
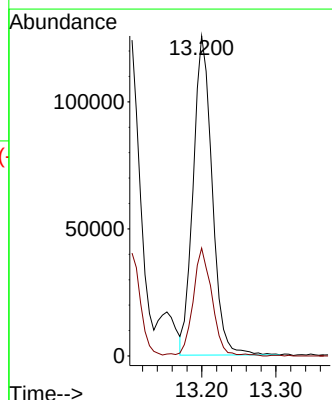
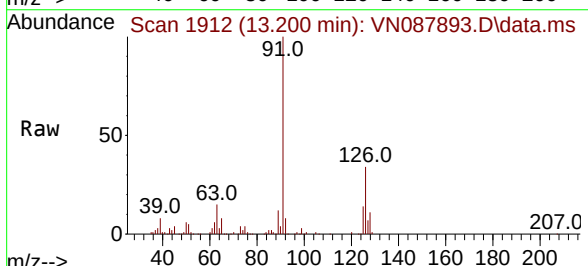
Manual Integrations
APPROVED

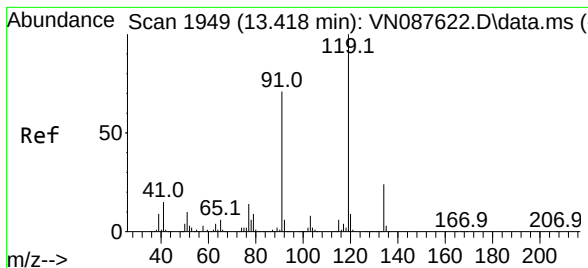
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#82
4-Chlorotoluene
Concen: 17.535 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

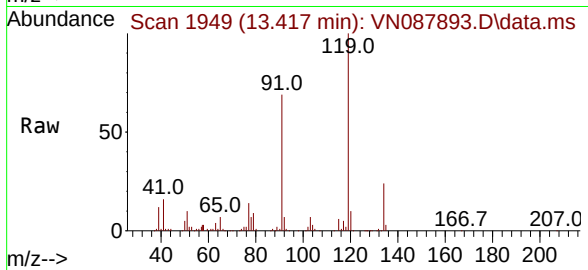
Tgt Ion: 91 Resp: 223283
Ion Ratio Lower Upper
91 100
126 32.2 15.6 46.8





#83
tert-Butylbenzene
Concen: 17.748 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

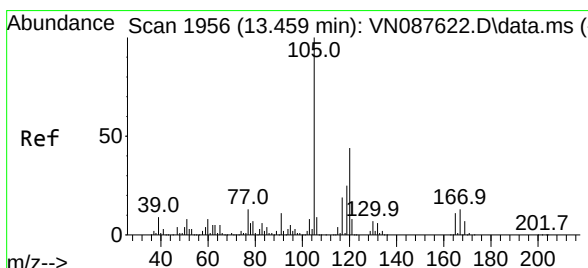
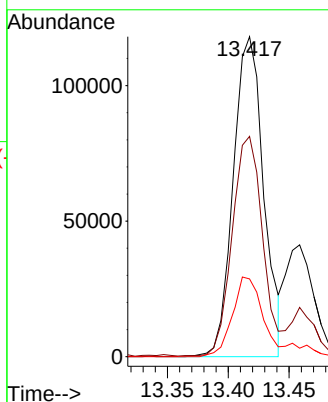
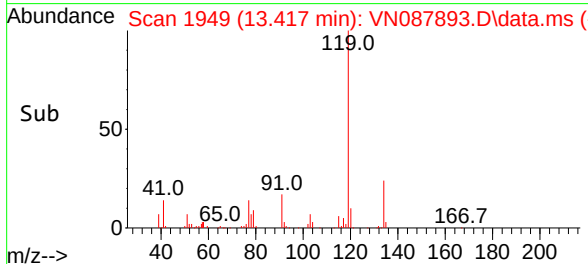
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



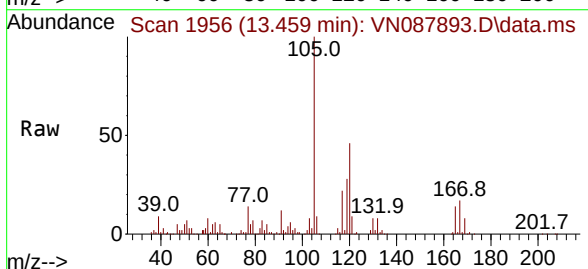
Tgt Ion:119 Resp: 204989
Ion Ratio Lower Upper
119 100
91 68.1 35.0 105.0
134 25.0 12.6 37.8

Manual Integrations
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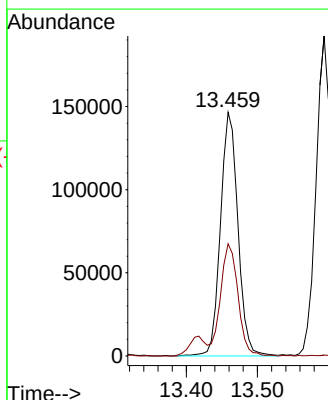
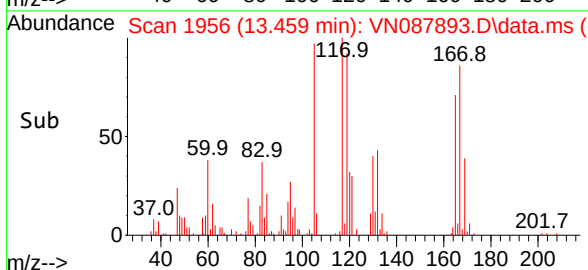
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

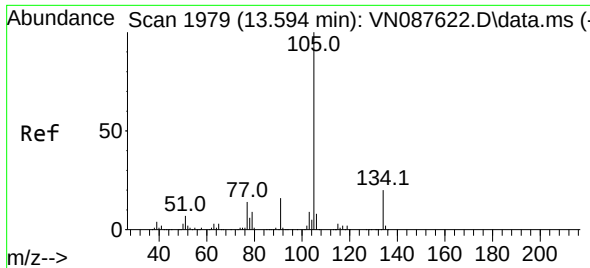


#84
1,2,4-Trimethylbenzene
Concen: 17.982 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



Tgt Ion:105 Resp: 249500
Ion Ratio Lower Upper
105 100
120 46.2 22.0 66.0





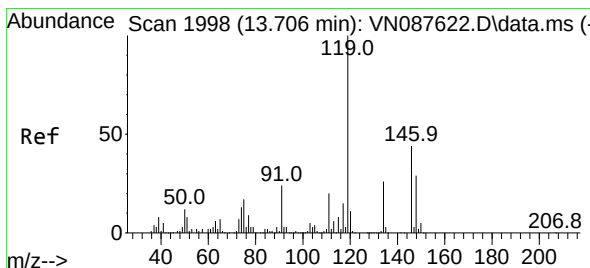
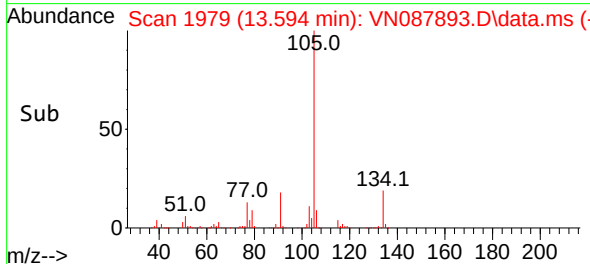
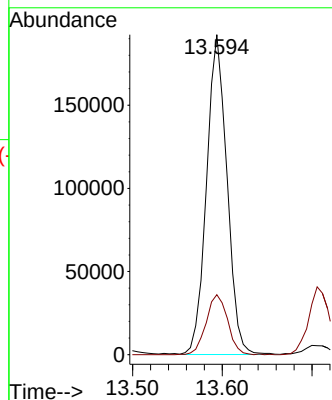
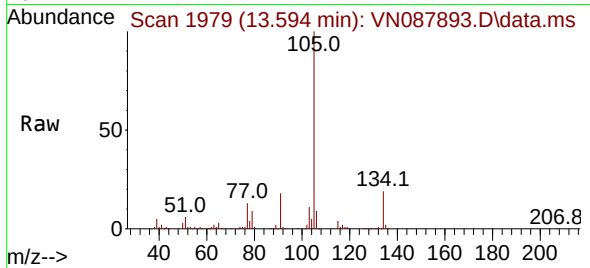
#85
 sec-Butylbenzene
 Concen: 17.727 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN087893.D
 Acq: 18 Sep 2025 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918MBSD01

Tgt Ion:105 Resp: 303844
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.6 28.6

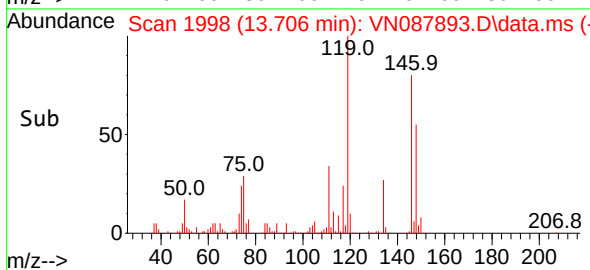
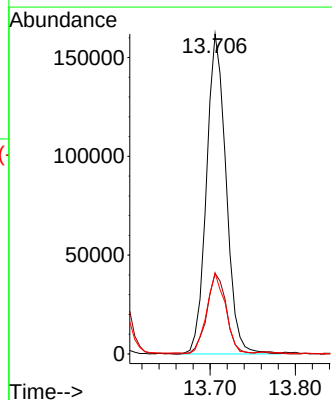
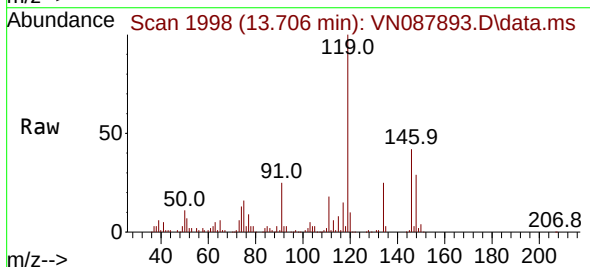
Manual Integrations
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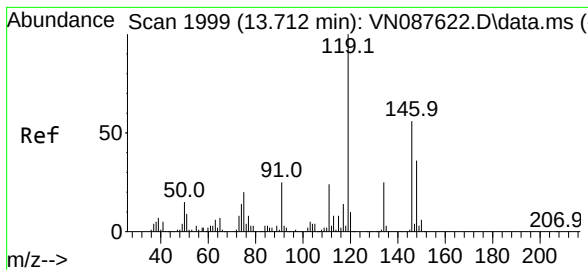
Reviewed By :John Carlone 09/19/2025
 Supervised By :Mahesh Dadoda 09/19/2025



#86
 p-Isopropyltoluene
 Concen: 18.324 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087893.D
 Acq: 18 Sep 2025 14:06

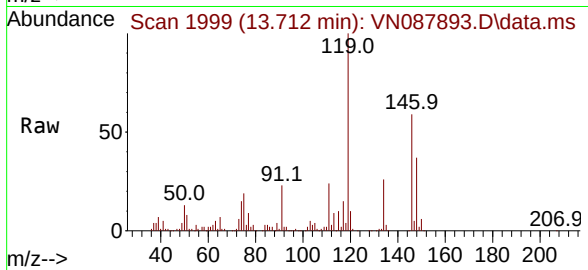
Tgt Ion:119 Resp: 259354
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.0
 91 23.9 12.5 37.5





#87
 1,3-Dichlorobenzene
 Concen: 19.288 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VN087893.D
 Acq: 18 Sep 2025 14:06

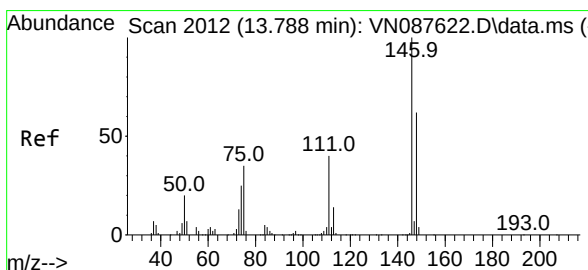
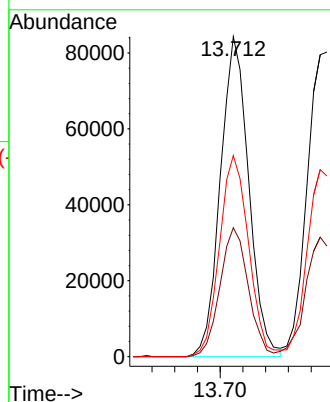
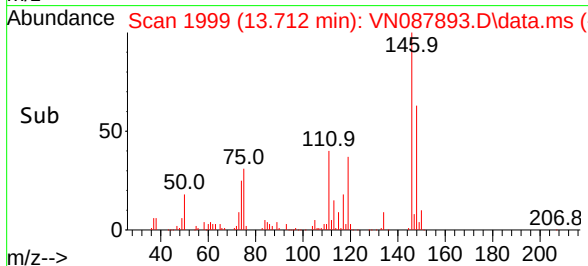
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918MBSD01



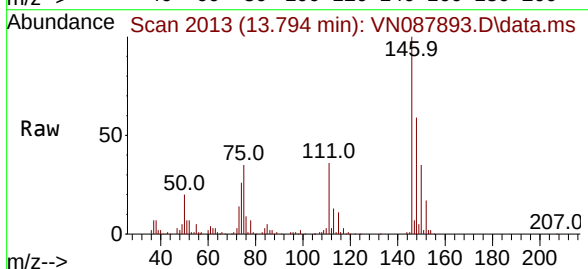
Tgt Ion:146 Resp: 146329
 Ion Ratio Lower Upper
 146 100
 111 40.2 22.1 66.5
 148 64.7 32.0 96.2

Manual Integrations
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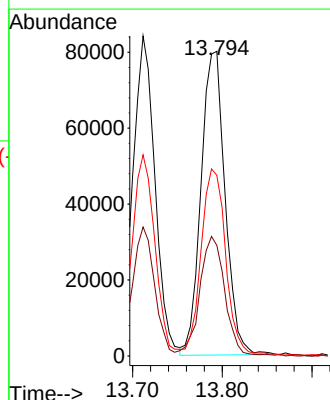
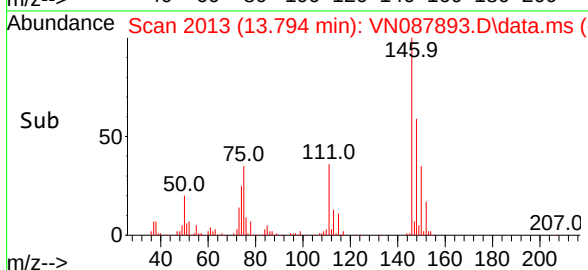
Reviewed By :John Carlone 09/19/2025
 Supervised By :Mahesh Dadoda 09/19/2025

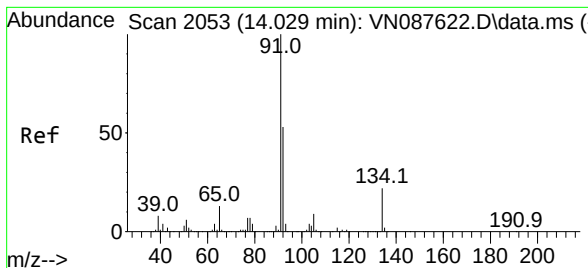


#88
 1,4-Dichlorobenzene
 Concen: 18.916 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.006 min
 Lab File: VN087893.D
 Acq: 18 Sep 2025 14:06



Tgt Ion:146 Resp: 149338
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.0 63.0
 148 62.6 32.0 96.0





#89

n-Butylbenzene

Concen: 18.119 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VN087893.D

Acq: 18 Sep 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0918MBS01

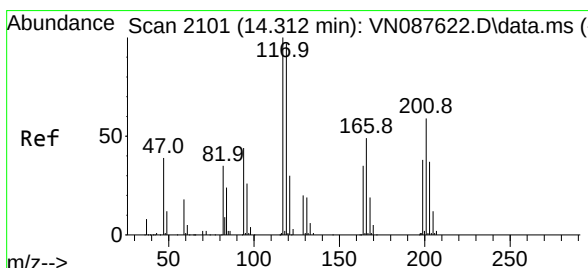
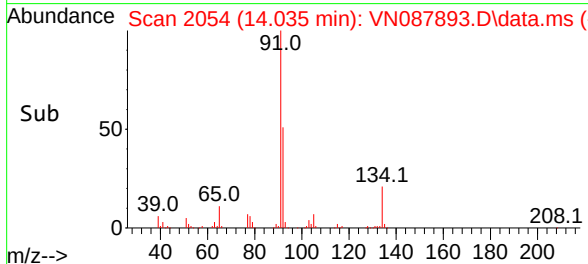
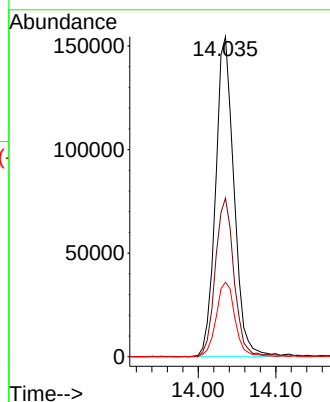
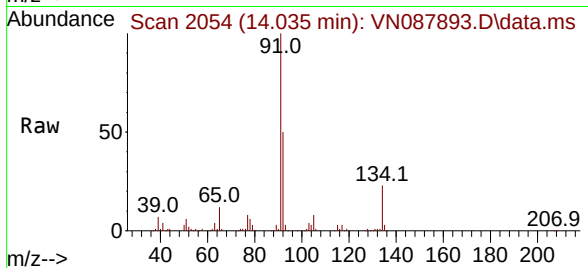
Tgt Ion: 91 Resp: 25469
 Ion Ratio Lower Upper
 91 100
 92 50.5 25.9 77.8
 134 23.9 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2025

Supervised By :Mahesh Dadoda 09/19/2025



#90

Hexachloroethane

Concen: 19.864 ug/l

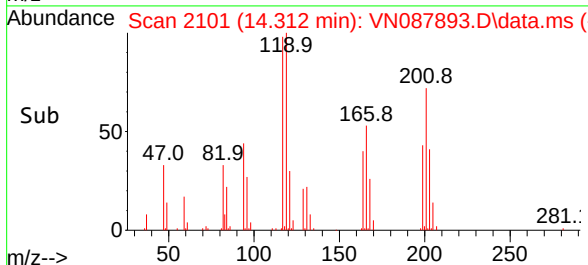
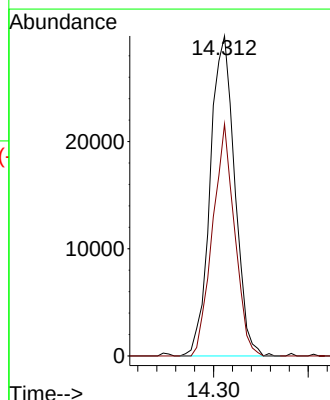
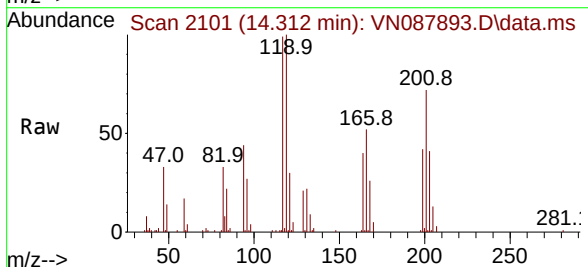
RT: 14.312 min Scan# 2101

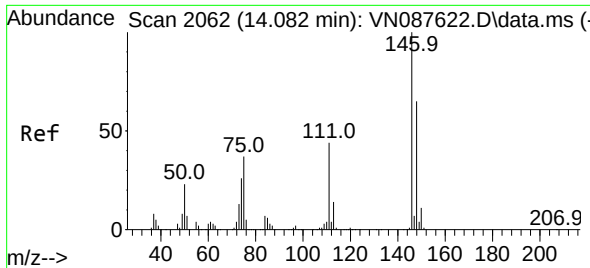
Delta R.T. -0.000 min

Lab File: VN087893.D

Acq: 18 Sep 2025 14:06

Tgt Ion:117 Resp: 53563
 Ion Ratio Lower Upper
 117 100
 201 65.3 29.1 87.4





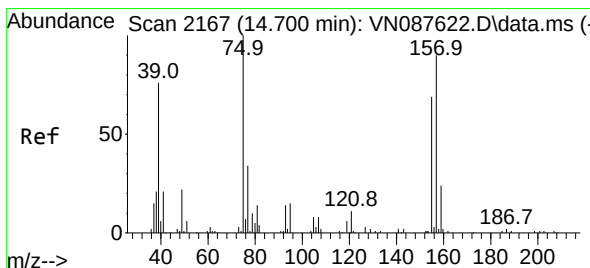
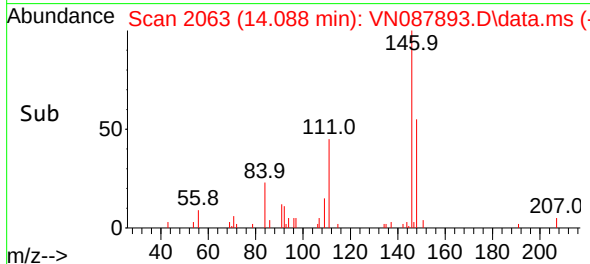
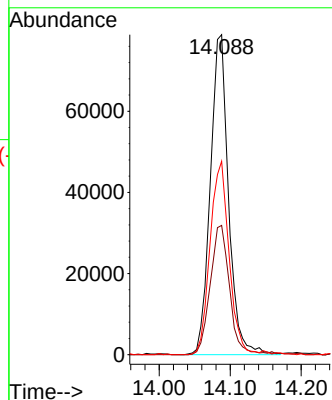
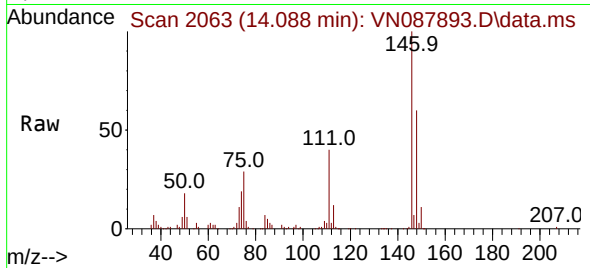
#91
1,2-Dichlorobenzene
Concen: 19.548 ug/l
RT: 14.088 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01

Tgt Ion:146 Resp: 140694
Ion Ratio Lower Upper
146 100
111 42.6 22.6 67.8
148 62.8 31.9 95.9

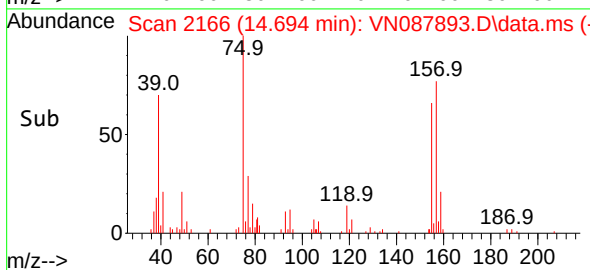
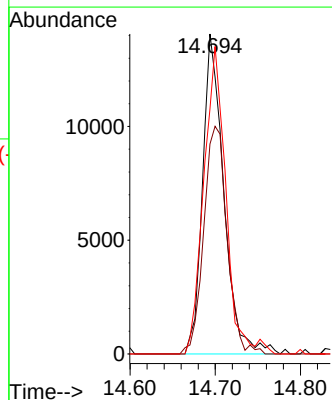
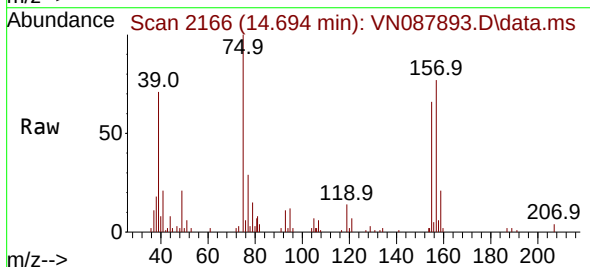
Manual Integrations
APPROVED

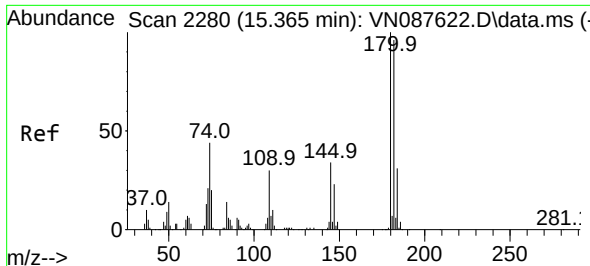
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.208 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

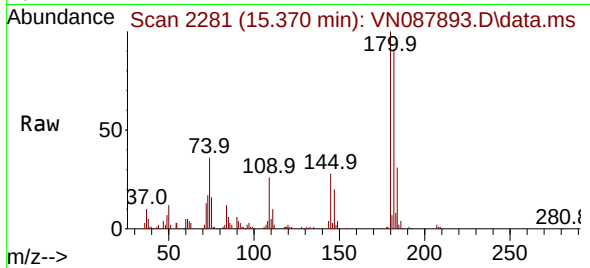
Tgt Ion: 75 Resp: 24331
Ion Ratio Lower Upper
75 100
155 78.2 36.6 109.9
157 98.4 45.6 136.9





#93
1,2,4-Trichlorobenzene
Concen: 19.906 ug/l
RT: 15.370 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

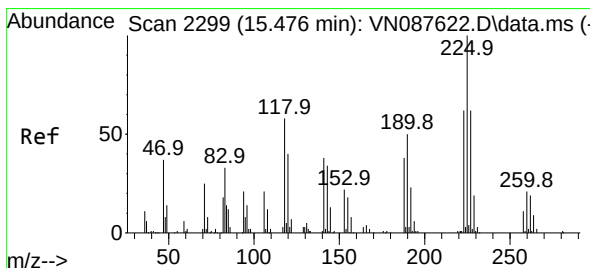
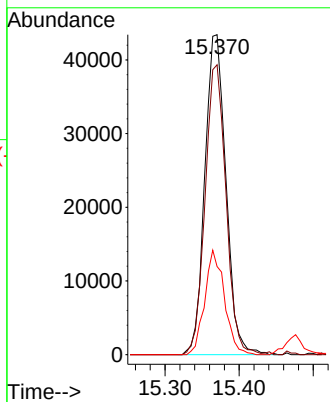
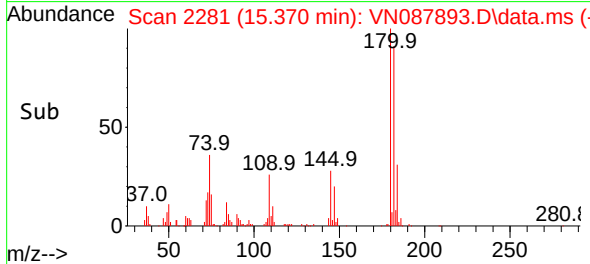
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBS01



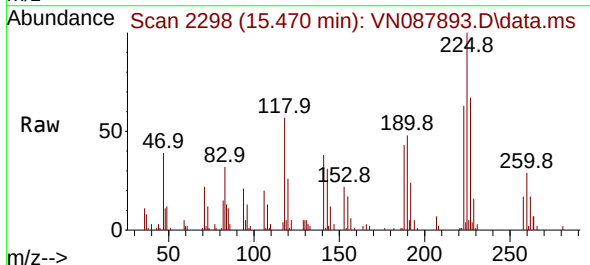
Tgt Ion:180 Resp: 8603
Ion Ratio Lower Upper
180 100
182 89.7 47.6 142.9
145 30.6 16.5 49.5

Manual Integrations
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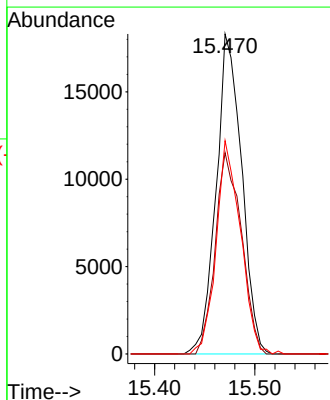
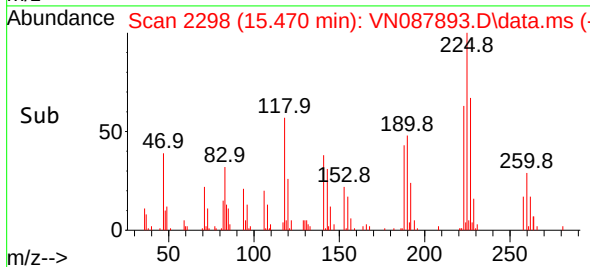
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

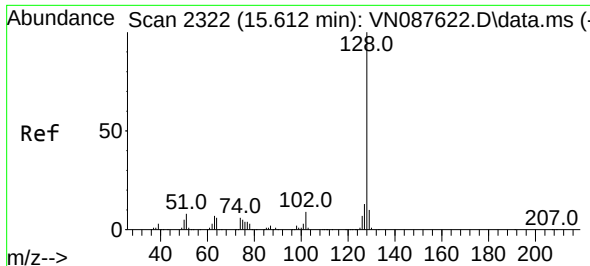


#94
Hexachlorobutadiene
Concen: 20.958 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06



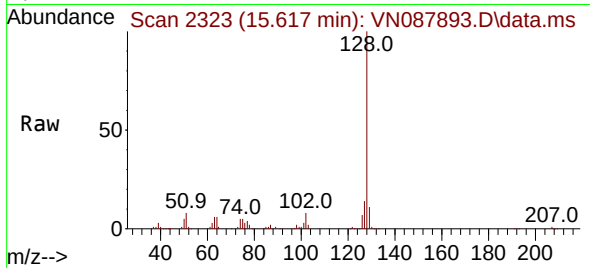
Tgt Ion:225 Resp: 32292
Ion Ratio Lower Upper
225 100
223 64.6 32.0 96.2
227 63.6 32.1 96.5





#95
Naphthalene
Concen: 17.069 ug/l
RT: 15.617 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

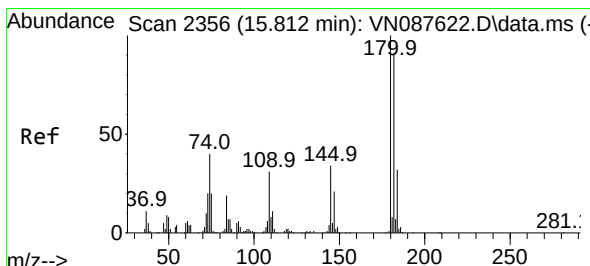
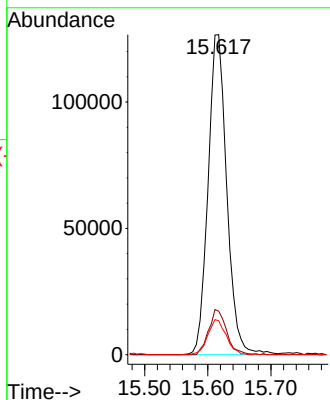
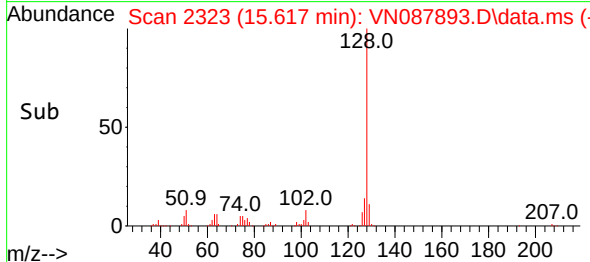
Instrument :
MSVOA_N
ClientSampleId :
VN0918MBSD01



Tgt Ion:128 Resp: 26130
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.7 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.748 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN087893.D
Acq: 18 Sep 2025 14:06

Tgt Ion:180 Resp: 79211
Ion Ratio Lower Upper
180 100
182 93.5 46.8 140.3
145 34.7 17.3 52.0

