

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086163.D
 Acq On : 28 Mar 2025 20:18
 Operator : JC\MD
 Sample : Q1664-05MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-01MS

Quant Time: Mar 28 23:40:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/31/2025
 Supervised By : Mahesh Dadoda 03/31/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	227713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	361019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136570	43.798	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.600%		
35) Dibromofluoromethane	8.165	113	98166	38.957	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	77.920%		
50) Toluene-d8	10.565	98	439543	48.062	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.120%		
62) 4-Bromofluorobenzene	12.847	95	165058	50.608	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	118498	39.279	ug/l	97
3) Chloromethane	2.359	50	113101	42.764	ug/l	100
4) Vinyl Chloride	2.512	62	111324	41.167	ug/l	96
5) Bromomethane	2.948	94	58723	31.880	ug/l	96
6) Chloroethane	3.118	64	59308	34.765	ug/l	90
7) Trichlorofluoromethane	3.495	101	200811	41.309	ug/l	98
8) Diethyl Ether	3.959	74	66847	44.919	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	117134	45.338	ug/l	98
10) Methyl Iodide	4.589	142	152174	45.203	ug/l	97
11) Tert butyl alcohol	5.512	59	76034	172.226	ug/l	98
12) 1,1-Dichloroethene	4.342	96	106968	45.852	ug/l	96
13) Acrolein	4.177	56	83277	176.858	ug/l	96
14) Allyl chloride	5.024	41	130753	44.926	ug/l	98
15) Acrylonitrile	5.712	53	268570	230.347	ug/l	99
16) Acetone	4.424	43	246325	258.574	ug/l	97
17) Carbon Disulfide	4.712	76	296887	38.696	ug/l	98
18) Methyl Acetate	5.024	43	128611	54.566	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	349983	45.781	ug/l	98
20) Methylene Chloride	5.277	84	137253	49.250	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	117855	46.226	ug/l	94
22) Diisopropyl ether	6.671	45	287268	46.318	ug/l	98
23) Vinyl Acetate	6.671	43	158187	33.645	ug/l #	67
24) 1,1-Dichloroethane	6.565	63	212075	46.500	ug/l	99
25) 2-Butanone	7.477	43	323956	235.675	ug/l	94
26) 2,2-Dichloropropane	7.488	77	155514	35.418	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	137479	47.453	ug/l	98
28) Bromochloromethane	7.812	49	99579	51.534	ug/l	94
29) Tetrahydrofuran	7.835	42	208057	245.171	ug/l	94
30) Chloroform	7.959	83	233212	46.262	ug/l	99
31) Cyclohexane	8.253	56	180539	46.468	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	210092	44.027	ug/l	99
36) 1,1-Dichloropropene	8.371	75	157763	47.547	ug/l	99
37) Ethyl Acetate	7.559	43	111808	39.942	ug/l	98
38) Carbon Tetrachloride	8.359	117	193294	44.306	ug/l	99
39) Methylcyclohexane	9.600	83	155609	47.270	ug/l	96
40) Benzene	8.606	78	507344	48.708	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	71043	53.150	ug/l	91
42) 1,2-Dichloroethane	8.665	62	159959	44.073	ug/l	96
43) Isopropyl Acetate	8.688	43	211195	34.817	ug/l	98
44) Trichloroethene	9.347	130	175105	64.863	ug/l	98
45) 1,2-Dichloropropane	9.618	63	122320	51.632	ug/l	98
46) Dibromomethane	9.706	93	88901	47.716	ug/l	99
47) Bromodichloromethane	9.882	83	184562	47.398	ug/l	98
48) Methyl methacrylate	9.677	41	89351	44.639	ug/l	98
49) 1,4-Dioxane	9.694	88	42160	890.990	ug/l	91
51) 4-Methyl-2-Pentanone	10.441	43	674213	252.028	ug/l	97
52) Toluene	10.629	92	322818	50.496	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	172876	45.715	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	191689	48.044	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	123781	50.730	ug/l	97
56) Ethyl methacrylate	10.871	69	167499	44.928	ug/l	96
57) 1,3-Dichloropropane	11.159	76	205955	49.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	399789	269.917	ug/l	96
59) 2-Hexanone	11.194	43	503146	258.178	ug/l	97
60) Dibromochloromethane	11.359	129	150858	47.913	ug/l	98
61) 1,2-Dibromoethane	11.465	107	118559	47.330	ug/l	98
64) Tetrachloroethene	11.100	164	190692	73.339	ug/l	98
65) Chlorobenzene	11.888	112	348563	46.733	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	131172	47.309	ug/l	99
67) Ethyl Benzene	11.959	91	595807	49.937	ug/l	98
68) m/p-Xylenes	12.070	106	480459	102.455	ug/l	99
69) o-Xylene	12.394	106	227414	52.838	ug/l	95
70) Styrene	12.406	104	391221	53.217	ug/l	98
71) Bromoform	12.576	173	103403	44.612	ug/l #	100
73) Isopropylbenzene	12.694	105	554510	47.535	ug/l	99
74) N-amyl acetate	12.488	43	172649	44.237	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	65940	16.708	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	137638m	35.989	ug/l	
77) Bromobenzene	12.976	156	145420	44.707	ug/l	98
78) n-propylbenzene	13.035	91	663204	50.207	ug/l	100
79) 2-Chlorotoluene	13.123	91	416519	47.473	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	487730	49.521	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	62448	43.170	ug/l	94
82) 4-Chlorotoluene	13.217	91	426559	47.277	ug/l	99
83) tert-Butylbenzene	13.435	119	392748	46.626	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	494906	49.821	ug/l	99
85) sec-Butylbenzene	13.612	105	552196	50.251	ug/l	99
86) p-Isopropyltoluene	13.729	119	467935	50.305	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	272420	46.463	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	270819	43.963	ug/l	99
89) n-Butylbenzene	14.053	91	370059	48.853	ug/l	99
90) Hexachloroethane	14.329	117	94053	43.820	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	264604	45.398	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32206	40.881	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	124095	42.343	ug/l	98
94) Hexachlorobutadiene	15.500	225	64271	37.800	ug/l	99
95) Naphthalene	15.635	128	357507	42.128	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	122528	44.061	ug/l	99

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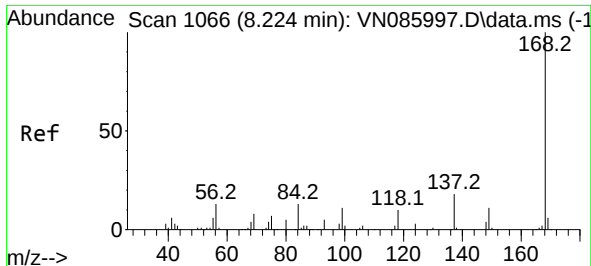
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

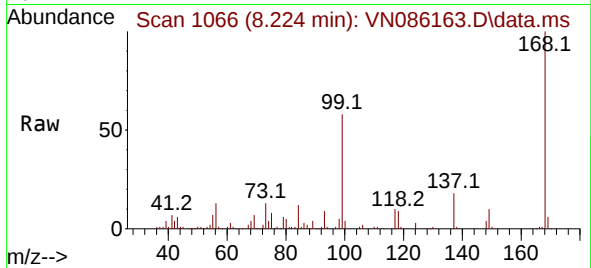
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025

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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086163.D
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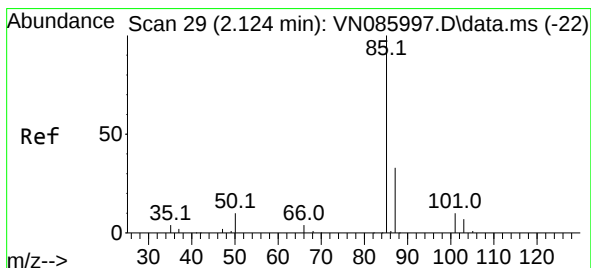
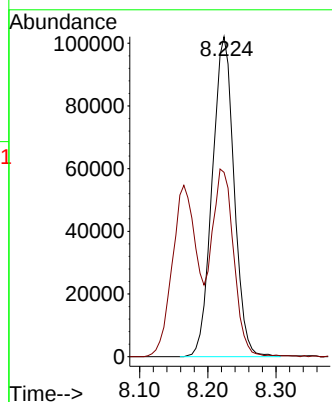
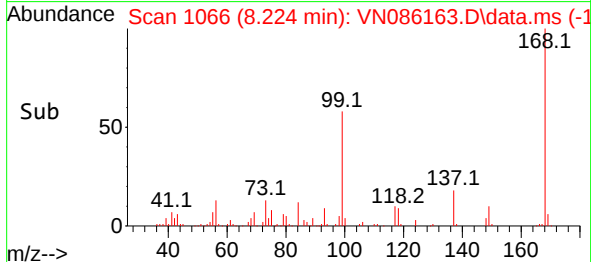
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion:168 Resp: 22771
Ion Ratio Lower Upper
168 100
99 57.3 49.4 74.2

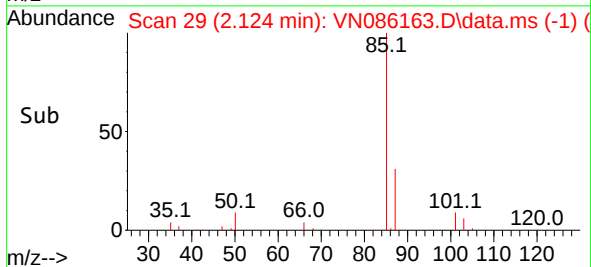
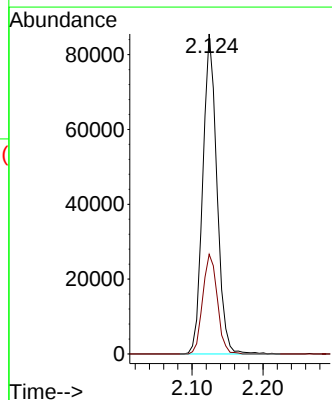
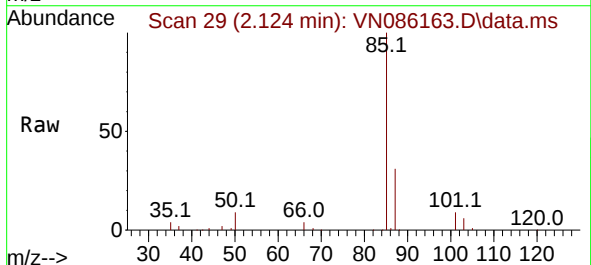
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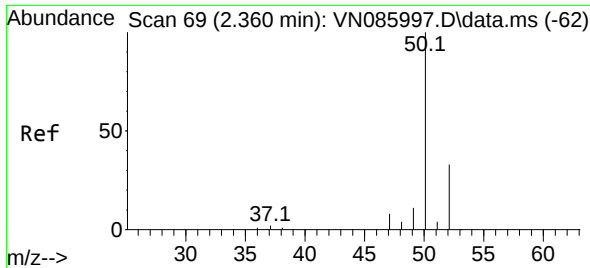
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#2
Dichlorodifluoromethane
Concen: 39.279 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion: 85 Resp: 118498
Ion Ratio Lower Upper
85 100
87 31.1 16.5 49.5





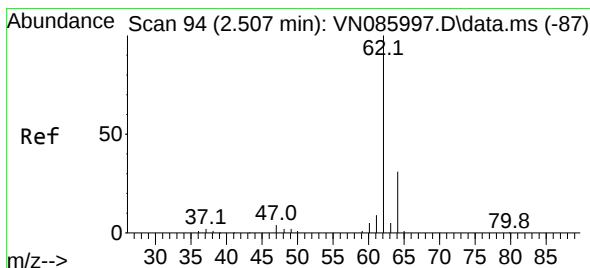
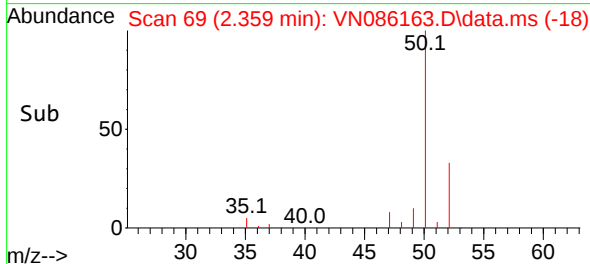
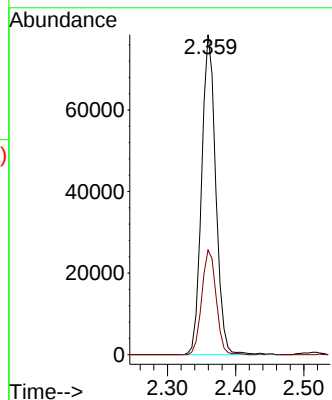
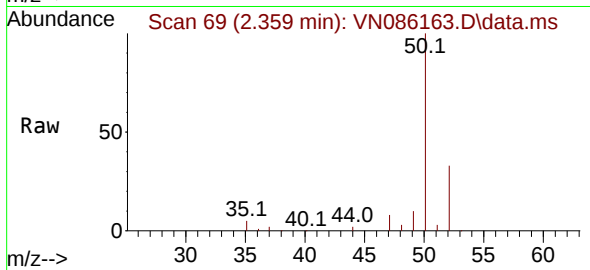
#3
Chloromethane
Concen: 42.764 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

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ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 50 Resp: 11310
Ion Ratio Lower Upper
50 100
52 32.7 26.0 39.0

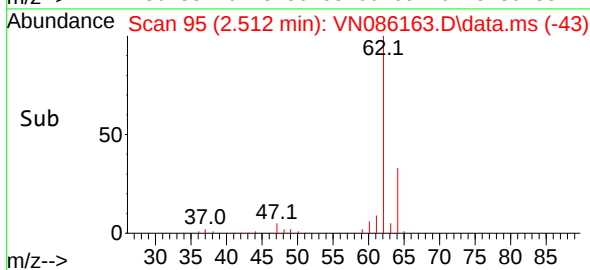
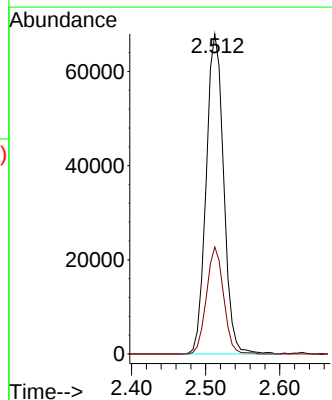
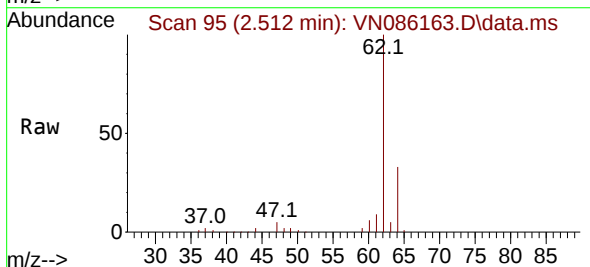
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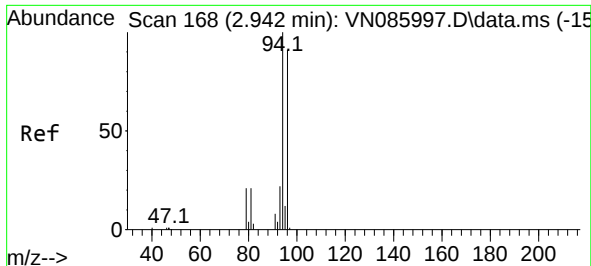
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#4
Vinyl Chloride
Concen: 41.167 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

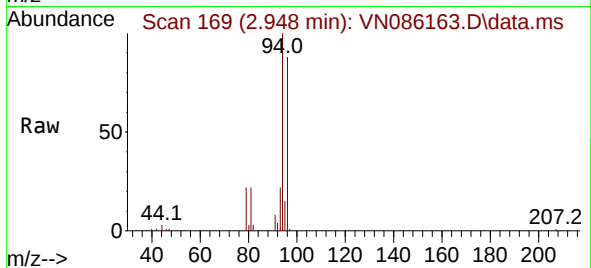
Tgt Ion: 62 Resp: 111324
Ion Ratio Lower Upper
62 100
64 33.5 25.2 37.8





#5
Bromomethane
Concen: 31.880 ug/l
RT: 2.948 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

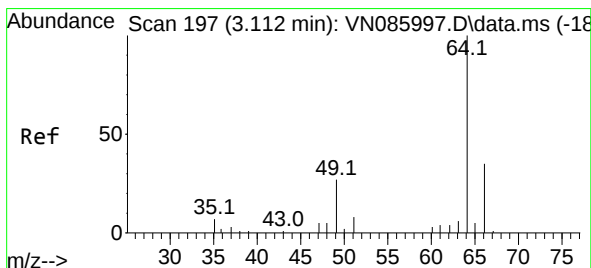
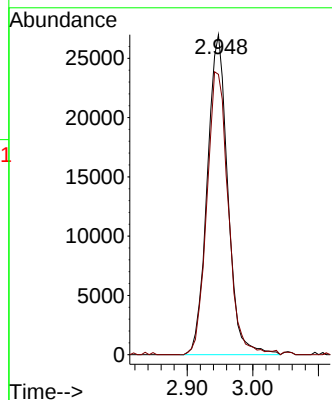
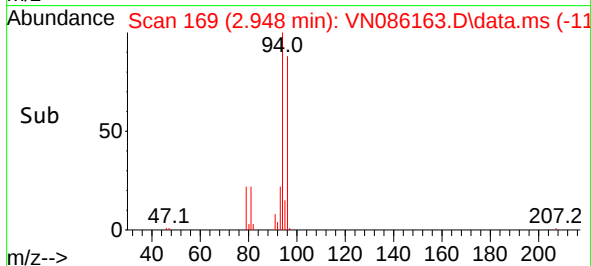
Instrument :
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Tgt Ion: 94 Resp: 5872
Ion Ratio Lower Upper
94 100
96 87.6 72.8 109.2

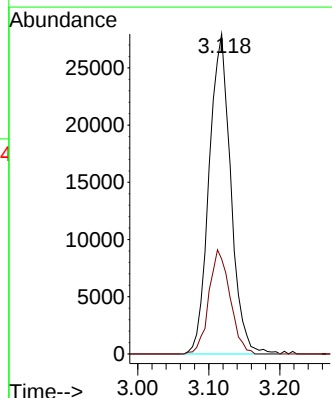
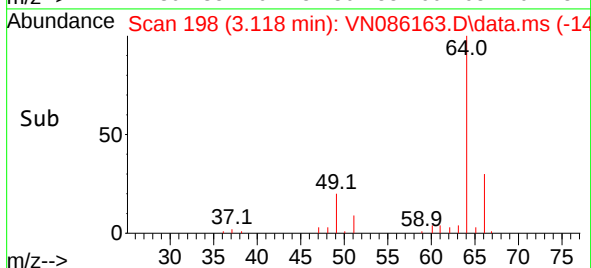
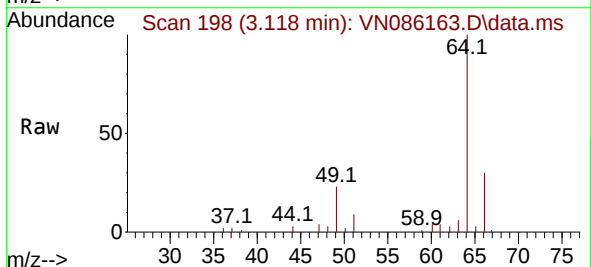
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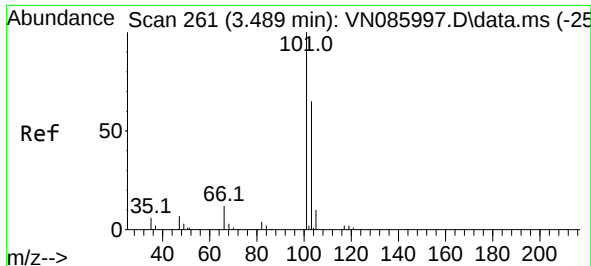
Reviewed By :John Carlone 03/31/2025
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#6
Chloroethane
Concen: 34.765 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion: 64 Resp: 59308
Ion Ratio Lower Upper
64 100
66 29.6 28.3 42.5





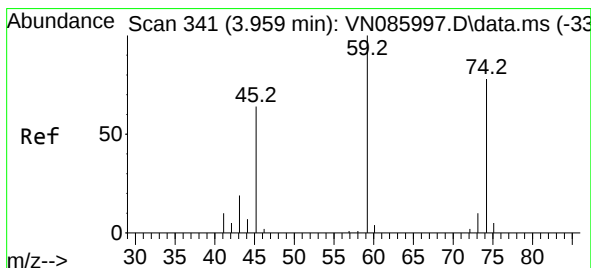
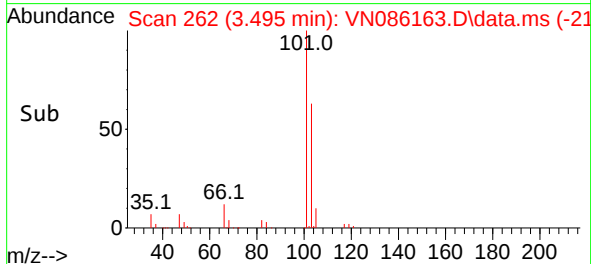
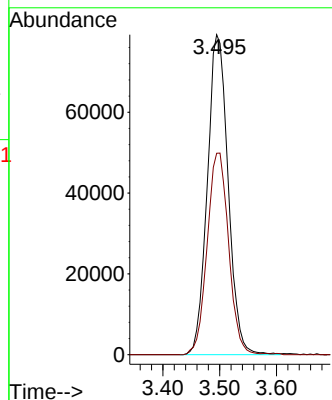
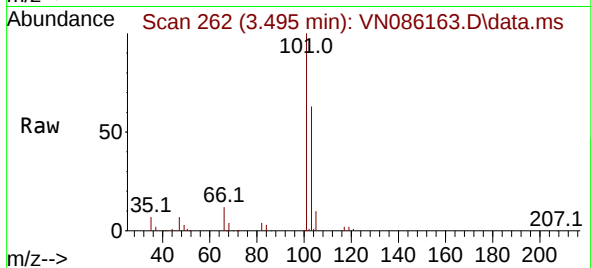
#7
Trichlorofluoromethane
Concen: 41.309 ug/l
RT: 3.495 min Scan# 208
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:101 Resp: 20081
Ion Ratio Lower Upper
101 100
103 63.0 51.7 77.5

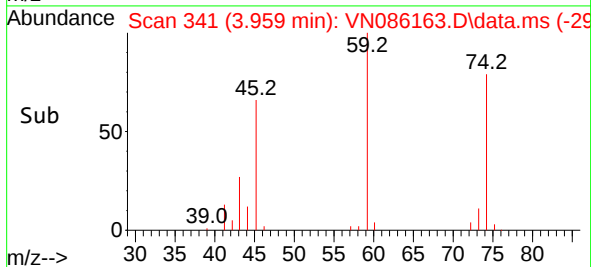
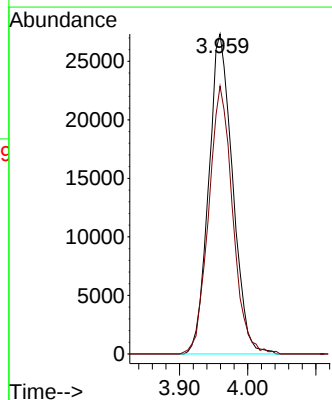
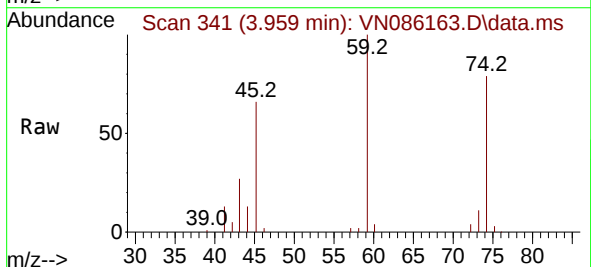
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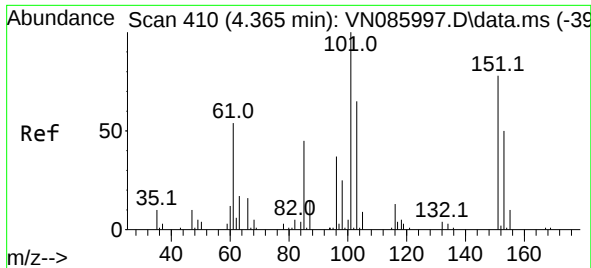
Reviewed By :John Carlone 03/31/2025
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#8
Diethyl Ether
Concen: 44.919 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion: 74 Resp: 66847
Ion Ratio Lower Upper
74 100
45 83.9 38.0 113.9





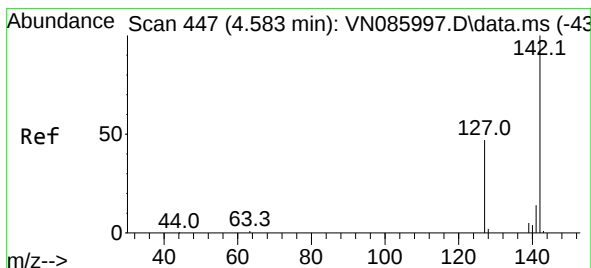
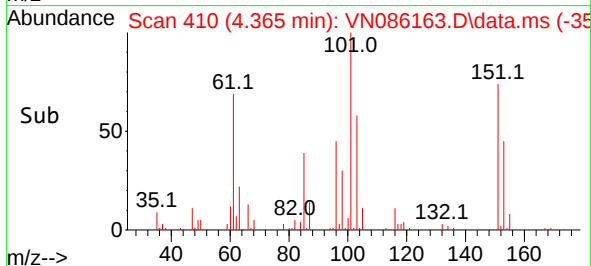
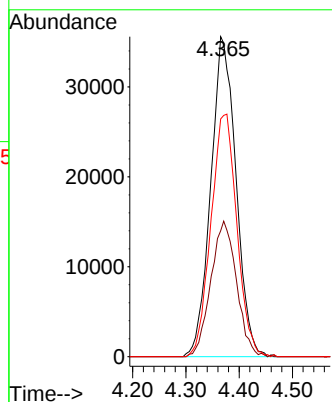
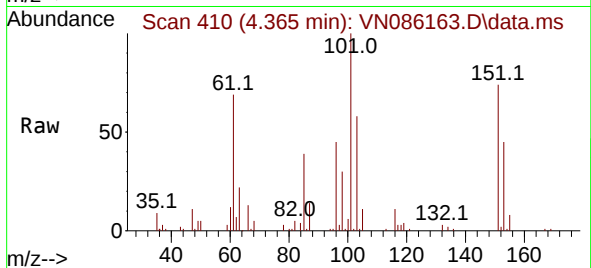
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.338 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:101 Resp: 117134
Ion Ratio Lower Upper
101 100
85 43.2 36.5 54.7
151 77.9 63.4 95.0

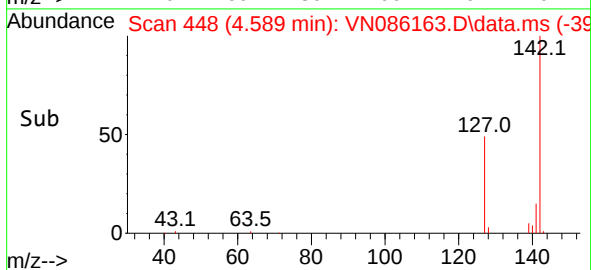
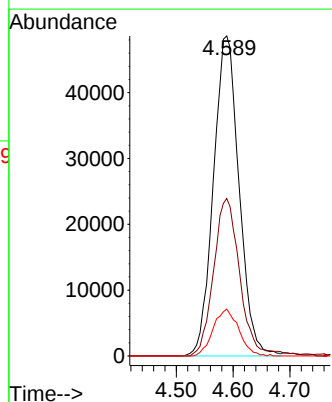
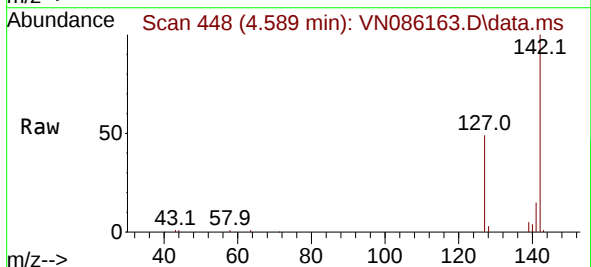
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#10
Methyl Iodide
Concen: 45.203 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

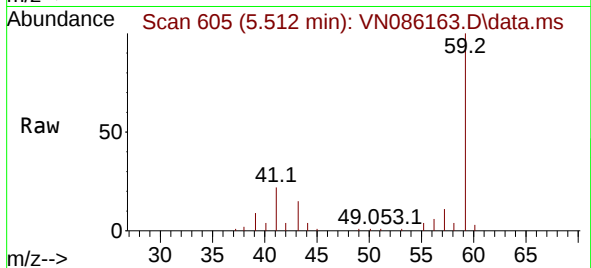
Tgt Ion:142 Resp: 152174
Ion Ratio Lower Upper
142 100
127 49.2 37.5 56.3
141 14.6 11.0 16.6





#11
Tert butyl alcohol
Concen: 172.226 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

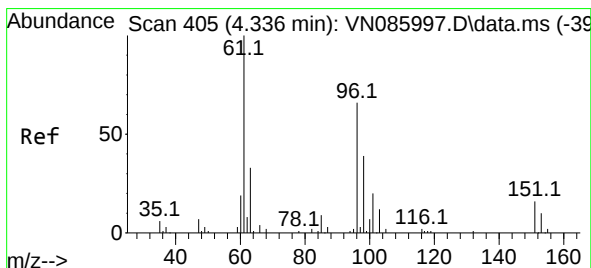
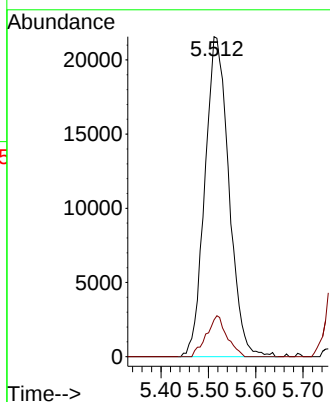
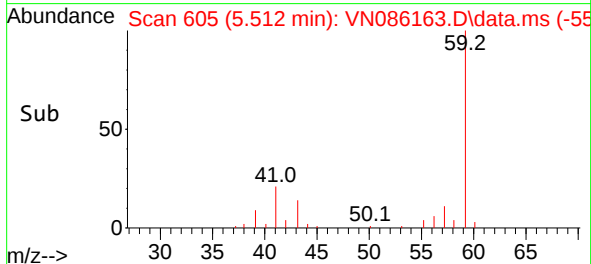
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



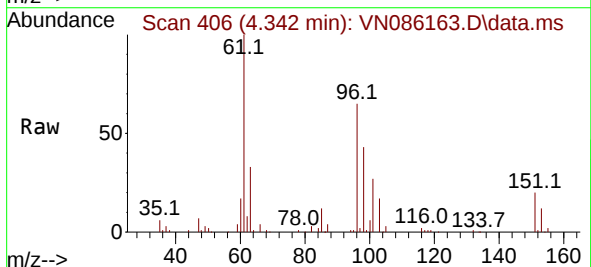
Tgt Ion: 59 Resp: 76034
Ion Ratio Lower Upper
59 100
57 10.8 7.9 11.9

Manual Integrations
APPROVED

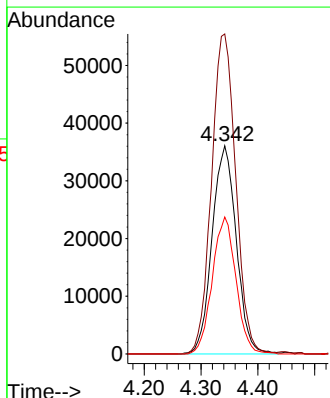
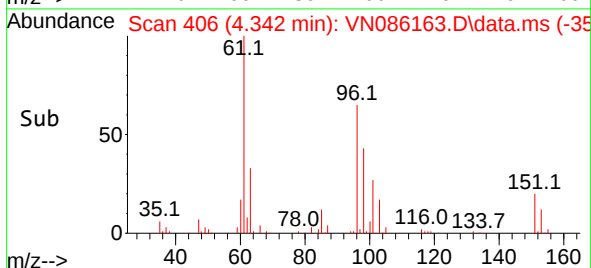
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025

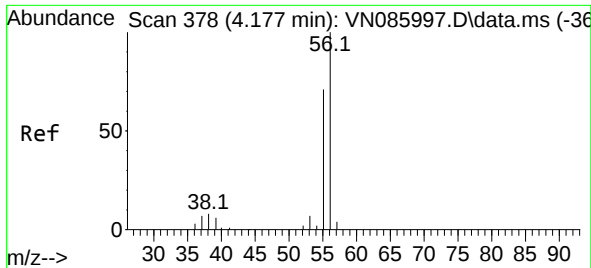


#12
1,1-Dichloroethene
Concen: 45.852 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18



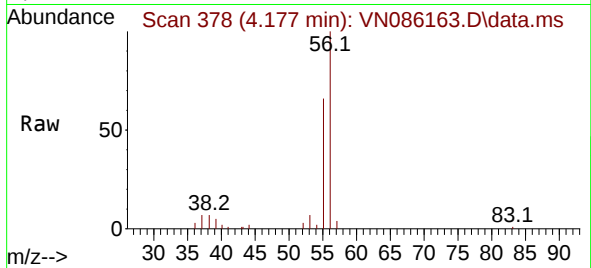
Tgt Ion: 96 Resp: 106968
Ion Ratio Lower Upper
96 100
61 153.7 120.5 180.7
98 65.8 47.4 71.0





#13
Acrolein
Concen: 176.858 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

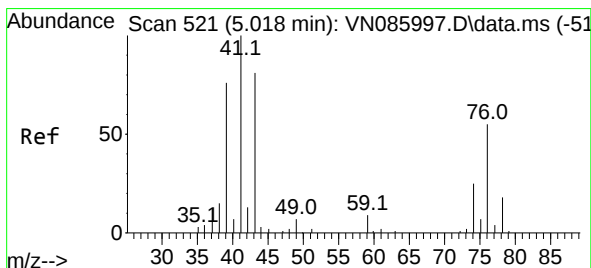
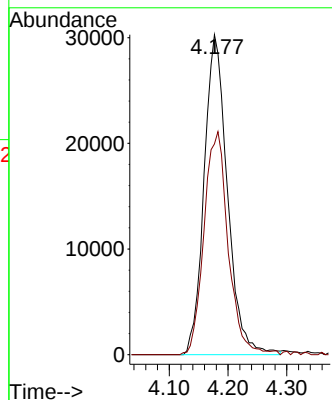
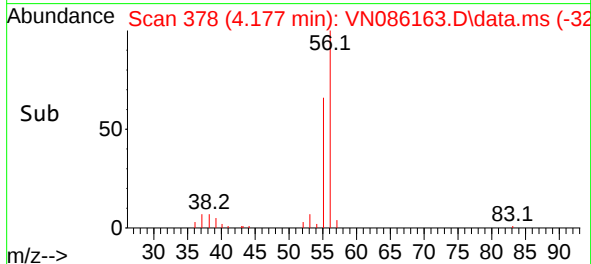
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 56 Resp: 8327
Ion Ratio Lower Upper
56 100
55 72.3 55.1 82.7

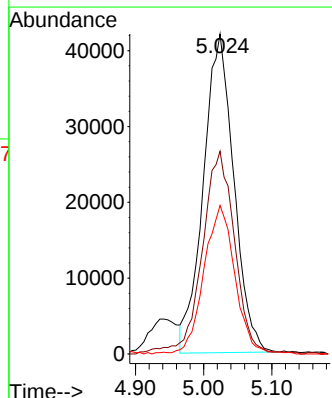
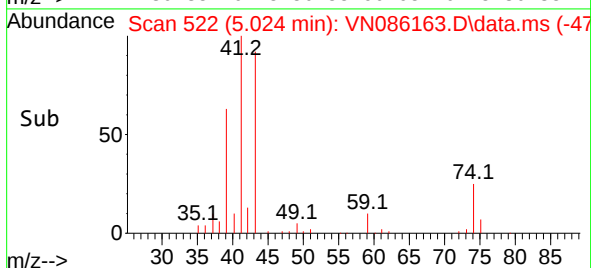
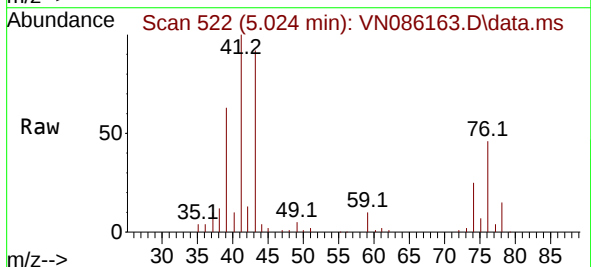
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#14
Allyl chloride
Concen: 44.926 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

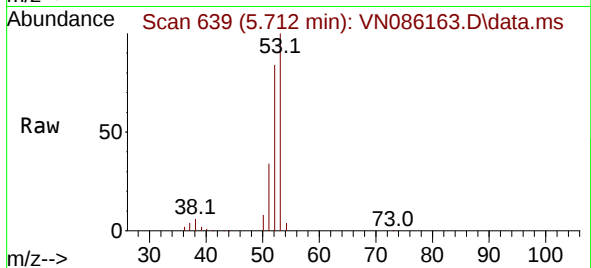
Tgt Ion: 41 Resp: 130753
Ion Ratio Lower Upper
41 100
39 68.0 55.5 83.3
76 47.4 39.1 58.7





#15
Acrylonitrile
Concen: 230.347 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

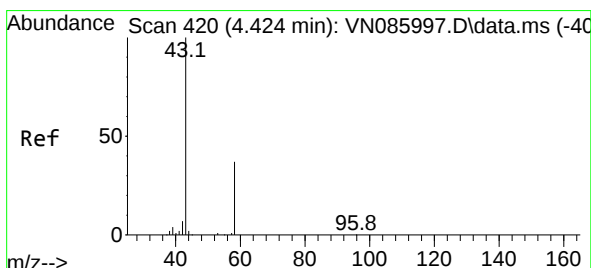
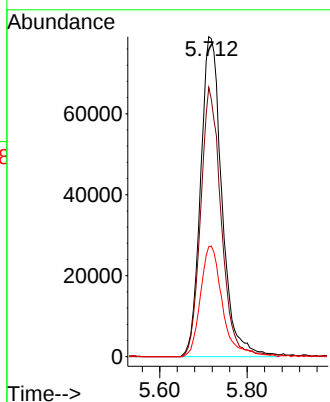
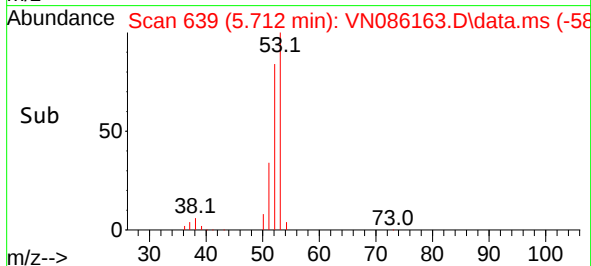
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 53 Resp: 268570
Ion Ratio Lower Upper
53 100
52 80.6 63.9 95.9
51 35.6 27.1 40.7

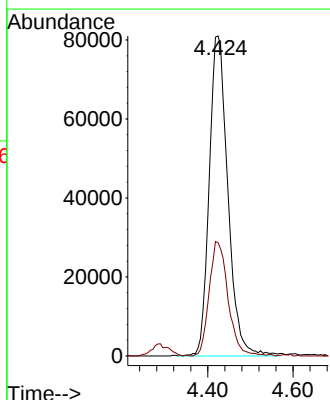
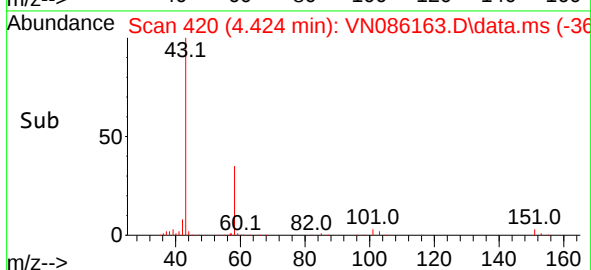
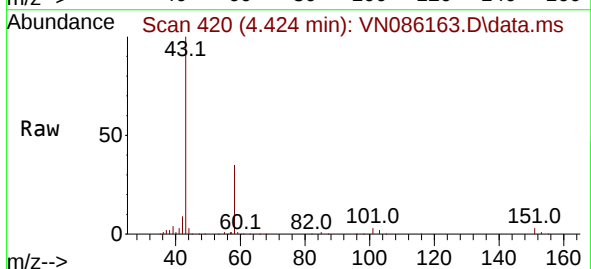
Manual Integrations
APPROVED

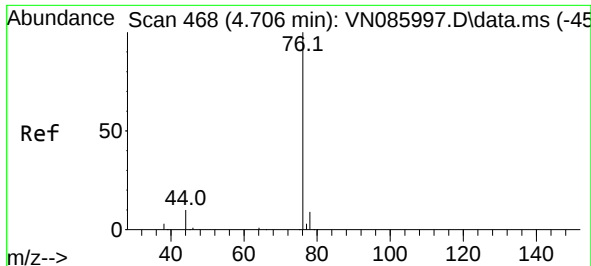
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#16
Acetone
Concen: 258.574 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion: 43 Resp: 246325
Ion Ratio Lower Upper
43 100
58 35.2 29.4 44.2





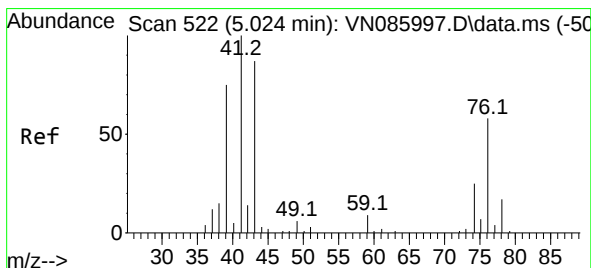
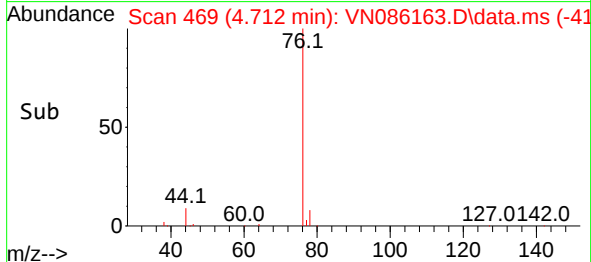
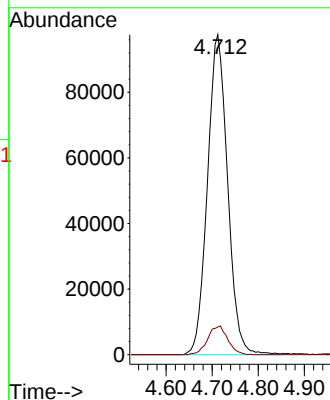
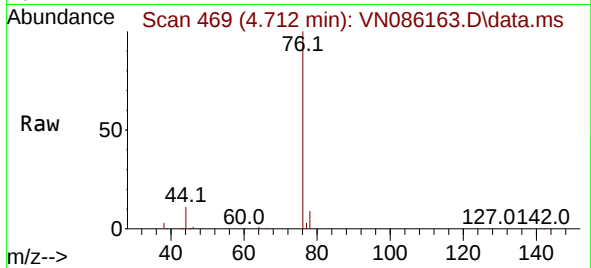
#17
Carbon Disulfide
Concen: 38.696 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 76 Resp: 29688
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2

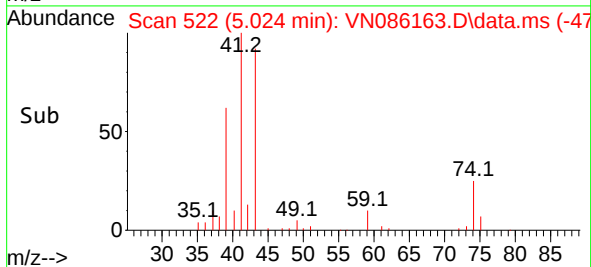
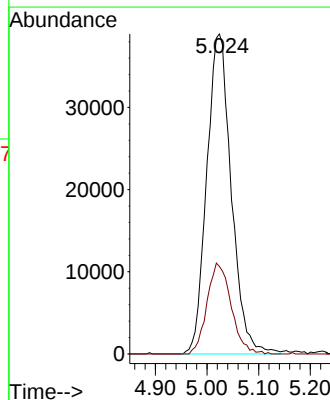
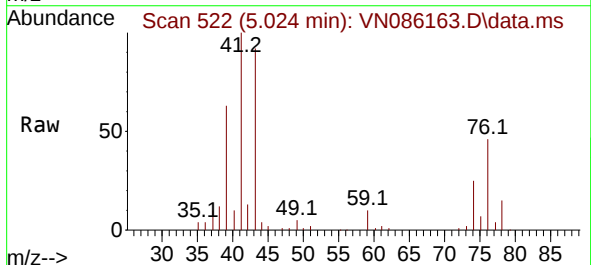
Manual Integrations
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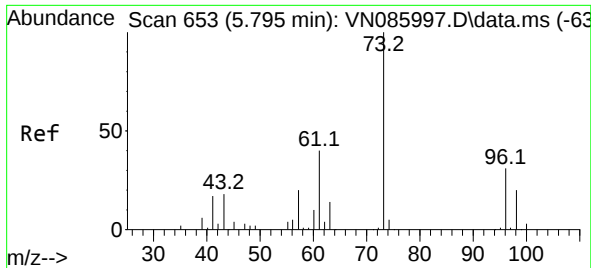
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#18
Methyl Acetate
Concen: 54.566 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

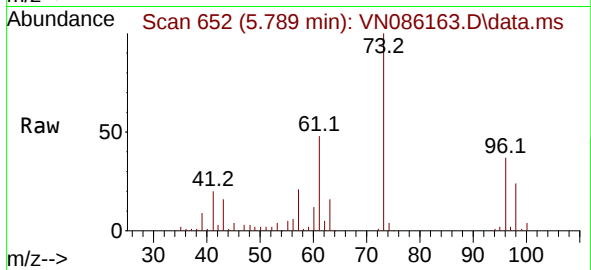
Tgt Ion: 43 Resp: 128611
Ion Ratio Lower Upper
43 100
74 27.9 23.9 35.9





#19
Methyl tert-butyl Ether
Concen: 45.781 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

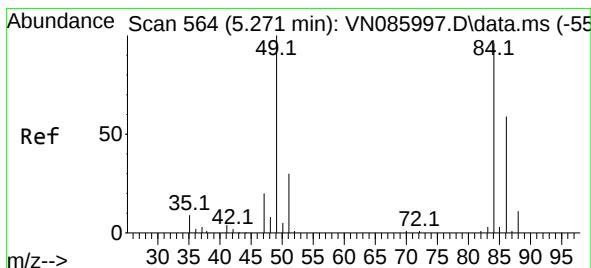
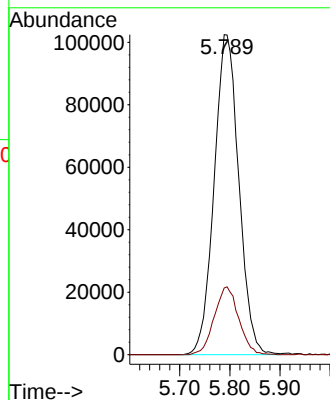
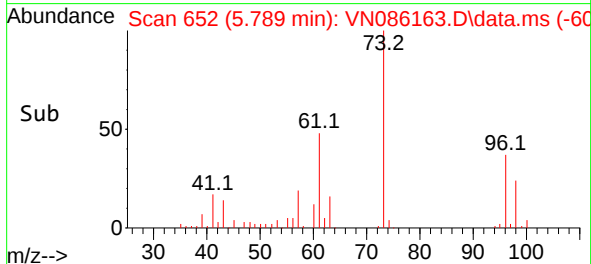
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 73 Resp: 34998
Ion Ratio Lower Upper
73 100
57 20.9 16.1 24.1

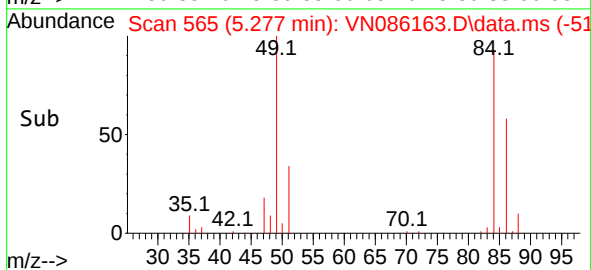
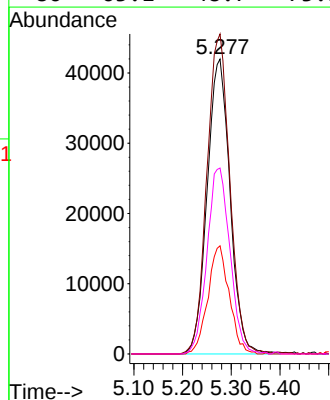
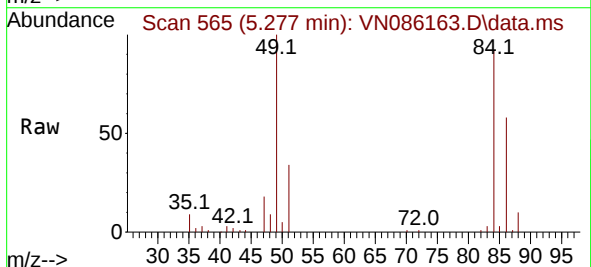
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#20
Methylene Chloride
Concen: 49.250 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

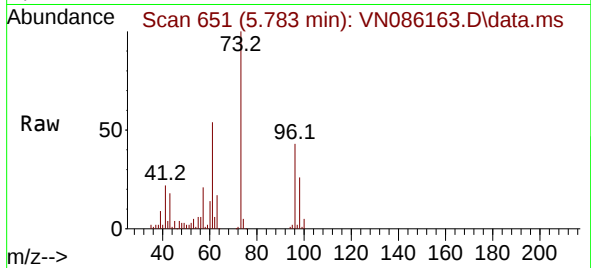
Tgt Ion: 84 Resp: 137253
Ion Ratio Lower Upper
84 100
49 108.5 83.3 124.9
51 36.7 24.8 37.2
86 63.1 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 46.226 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

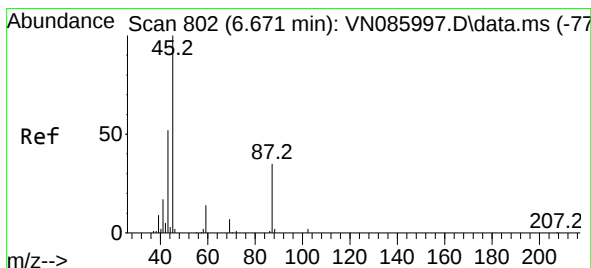
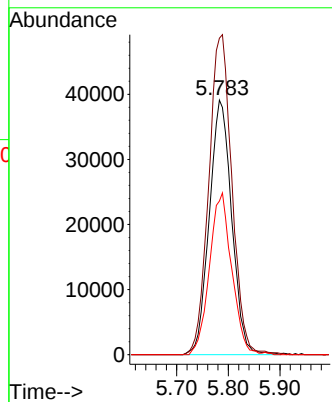
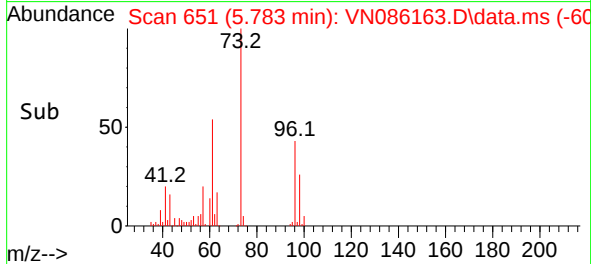
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 96 Resp: 11785
Ion Ratio Lower Upper
96 100
61 124.4 106.6 160.0
98 60.4 50.0 75.0

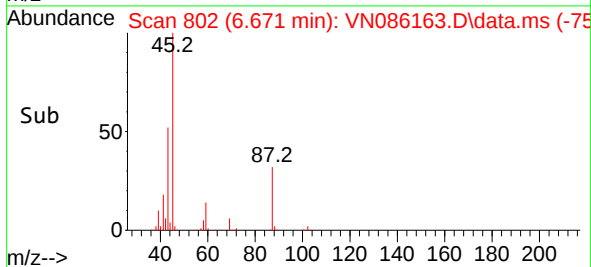
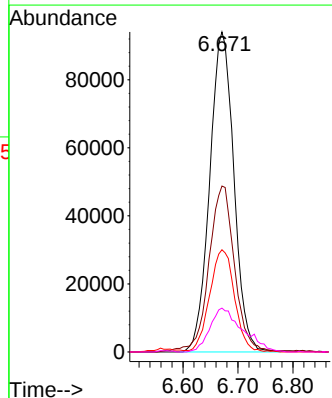
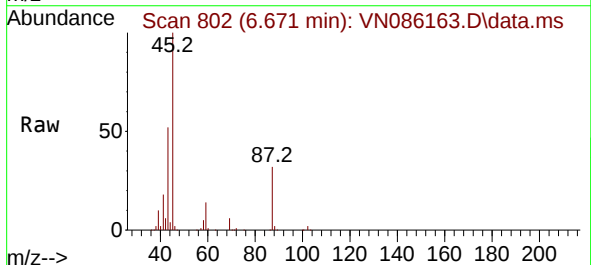
Manual Integrations
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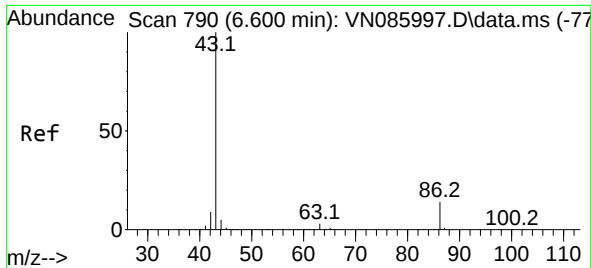
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#22
Diisopropyl ether
Concen: 46.318 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

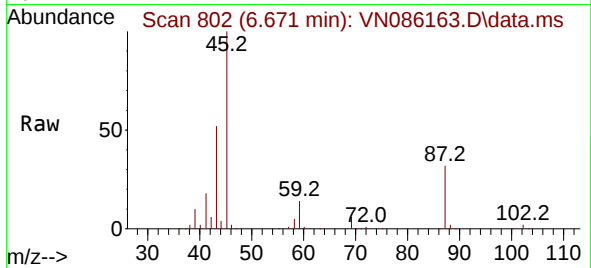
Tgt Ion: 45 Resp: 287268
Ion Ratio Lower Upper
45 100
43 51.4 41.2 61.8
87 31.9 28.5 42.7
59 13.7 11.2 16.8





#23
 Vinyl Acetate
 Concen: 33.645 ug/l
 RT: 6.671 min Scan# 802
 Delta R.T. 0.070 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18

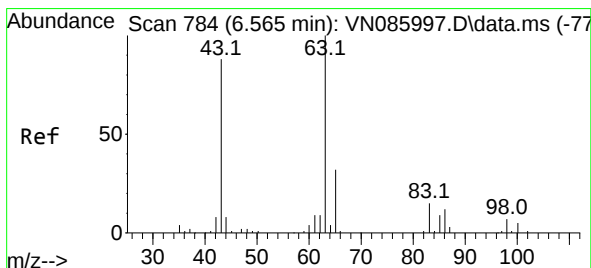
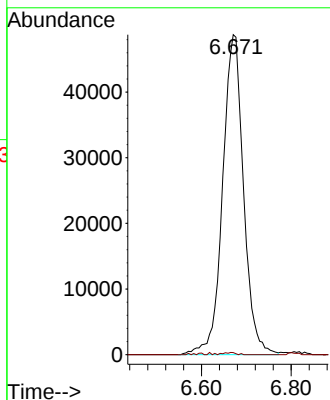
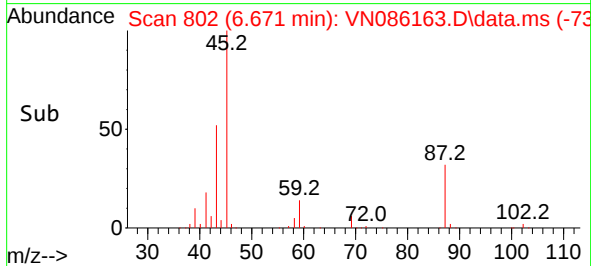
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-01MS



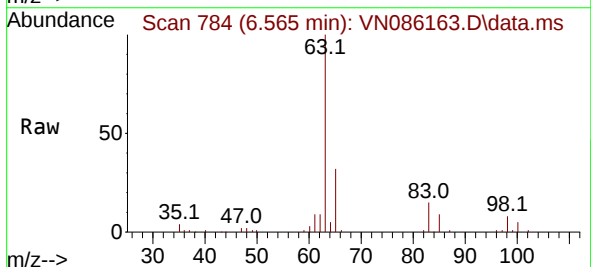
Tgt Ion: 43 Resp: 15818
 Ion Ratio Lower Upper
 43 100
 86 0.7 11.2 16.8

Manual Integrations
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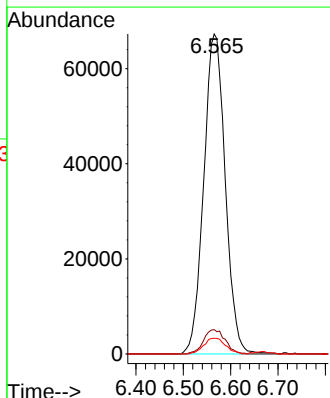
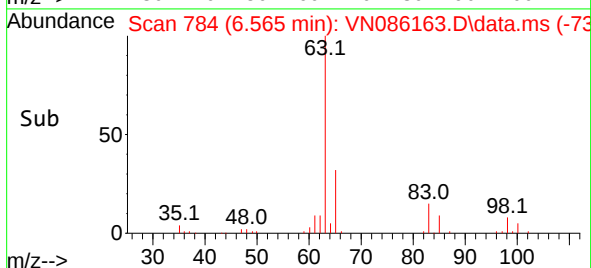
Reviewed By :John Carlone 03/31/2025
 Supervised By :Mahesh Dadoda 03/31/2025



#24
 1,1-Dichloroethane
 Concen: 46.500 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18



Tgt Ion: 63 Resp: 212075
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.6 10.9
 100 4.9 2.5 7.5





#25

2-Butanone

Concen: 235.675 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01MS

Tgt Ion: 43 Resp: 32395

Ion Ratio Lower Upper

43 100

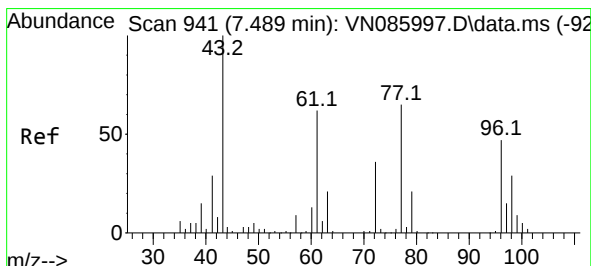
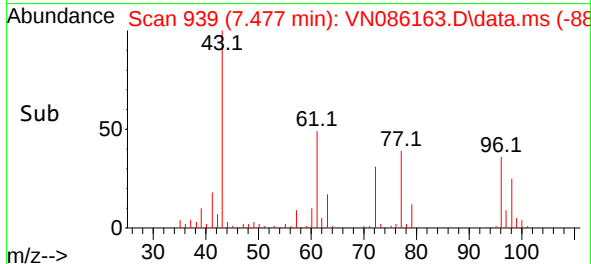
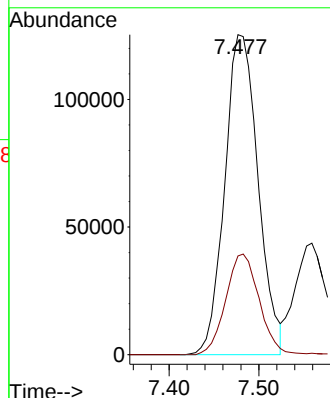
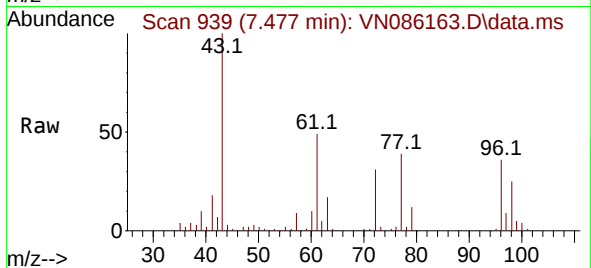
72 30.8 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2025

Supervised By :Mahesh Dadoda 03/31/2025



#26

2,2-Dichloropropane

Concen: 35.418 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086163.D

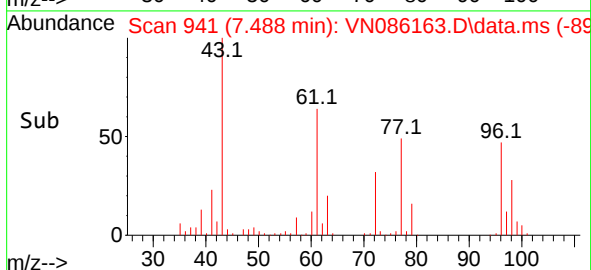
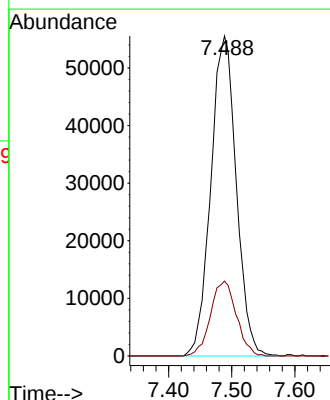
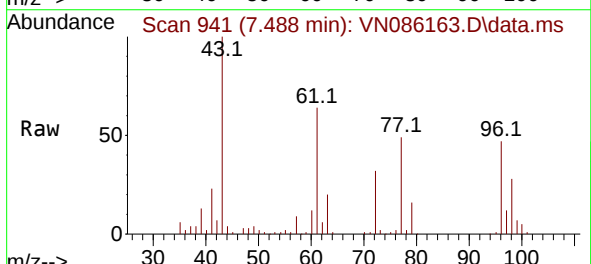
Acq: 28 Mar 2025 20:18

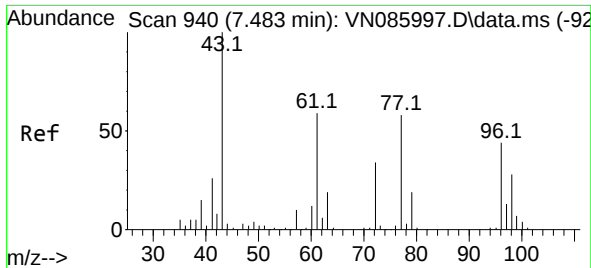
Tgt Ion: 77 Resp: 155514

Ion Ratio Lower Upper

77 100

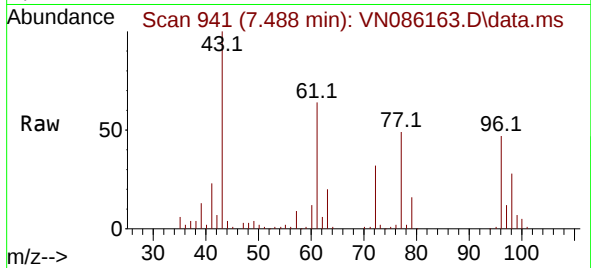
97 23.8 11.2 33.5





#27
 cis-1,2-Dichloroethene
 Concen: 47.453 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18

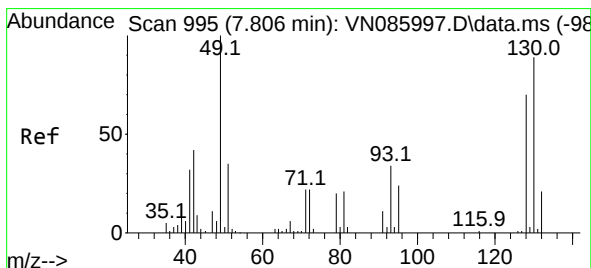
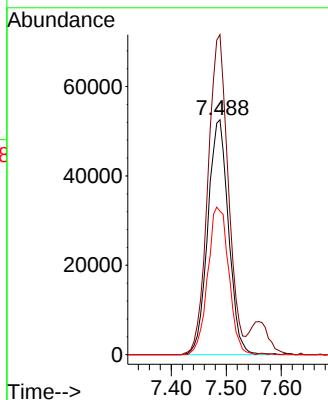
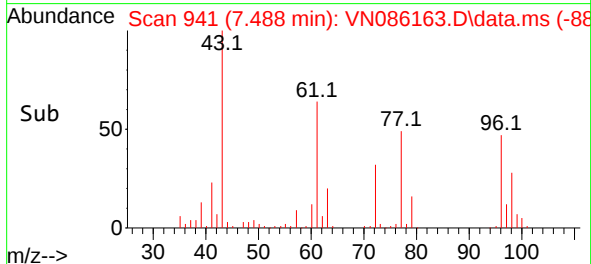
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-01MS



Tgt Ion: 96 Resp: 137479
 Ion Ratio Lower Upper
 96 100
 61 134.3 0.0 272.8
 98 63.7 0.0 124.8

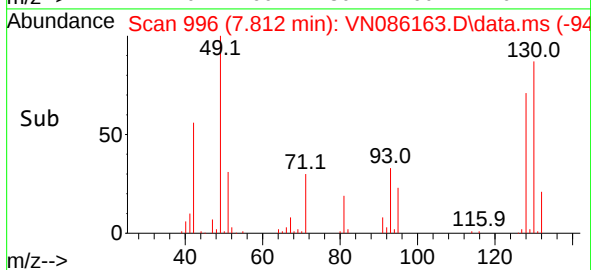
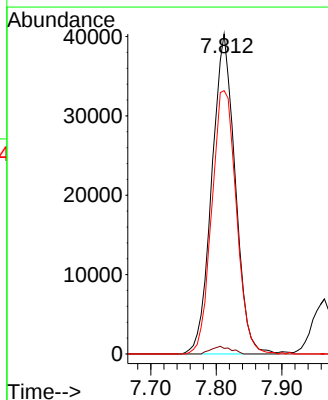
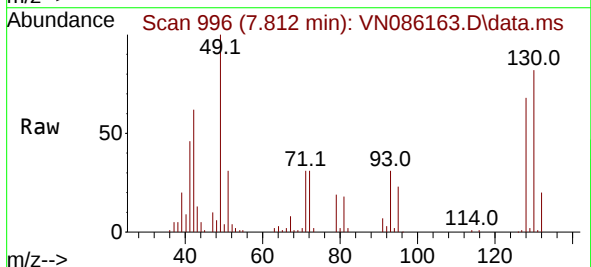
Manual Integrations
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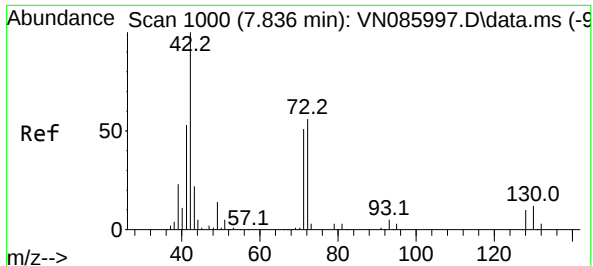
Reviewed By :John Carlone 03/31/2025
 Supervised By :Mahesh Dadoda 03/31/2025



#28
 Bromochloromethane
 Concen: 51.534 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.006 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18

Tgt Ion: 49 Resp: 99579
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 86.6 74.2 111.4





#29

Tetrahydrofuran

Concen: 245.171 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01MS

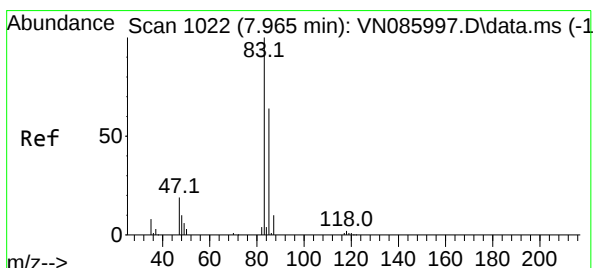
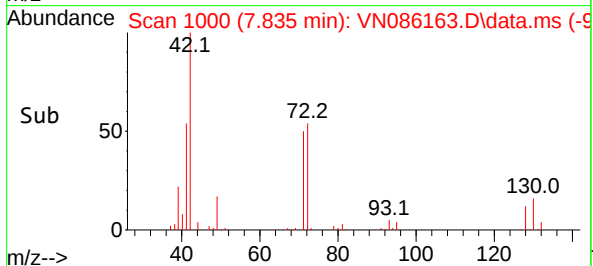
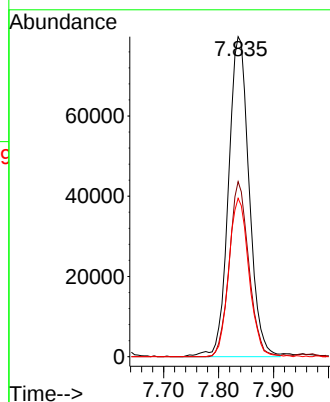
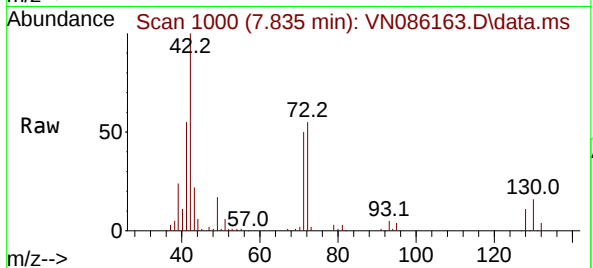
Tgt Ion:	42	Resp:	20805
Ion Ratio	Lower	Upper	
42	100		
72	51.9	45.0	67.4
71	48.4	41.9	62.9

Manual Integrations

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Reviewed By :John Carlone 03/31/2025

Supervised By :Mahesh Dadoda 03/31/2025



#30

Chloroform

Concen: 46.262 ug/l

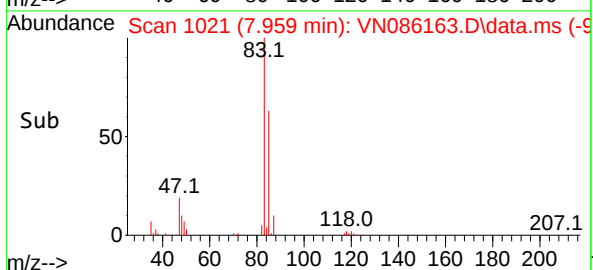
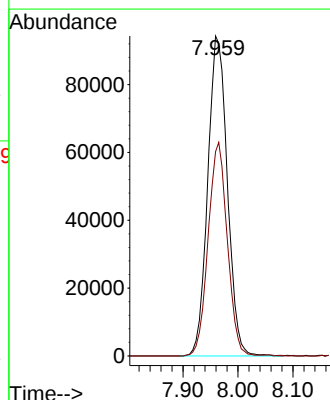
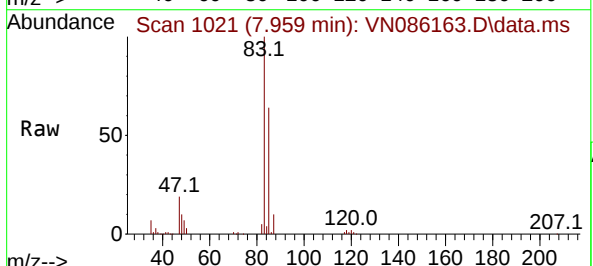
RT: 7.959 min Scan# 1021

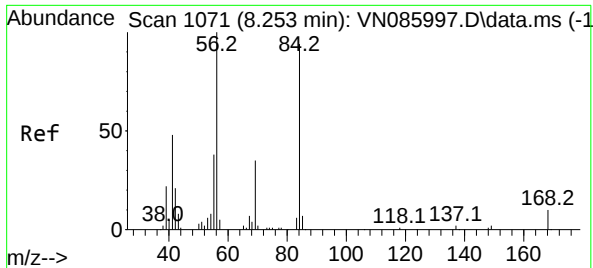
Delta R.T. -0.006 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

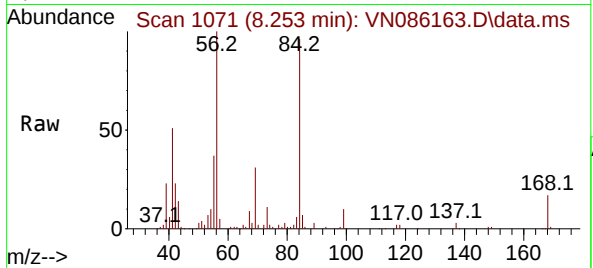
Tgt Ion:	83	Resp:	233212
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.5	77.3





#31
Cyclohexane
Concen: 46.468 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

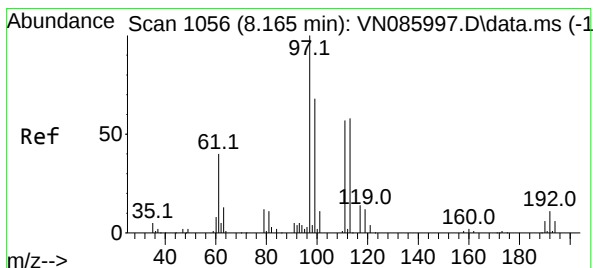
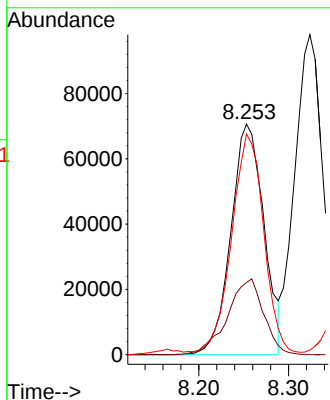
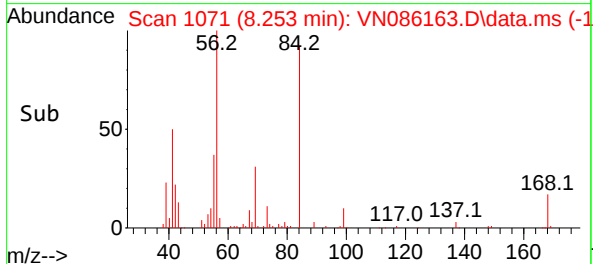
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



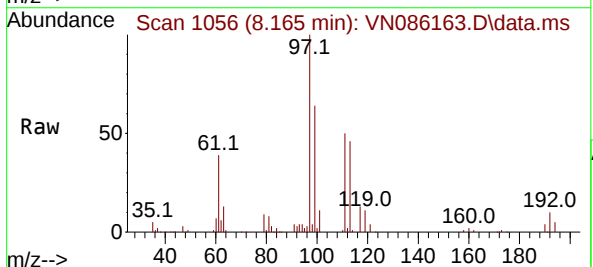
Tgt Ion: 56 Resp: 180539
Ion Ratio Lower Upper
56 100
69 31.1 28.0 42.0
84 94.0 75.0 112.6

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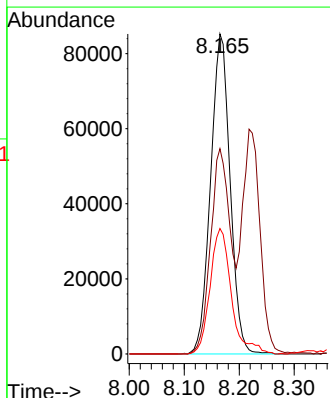
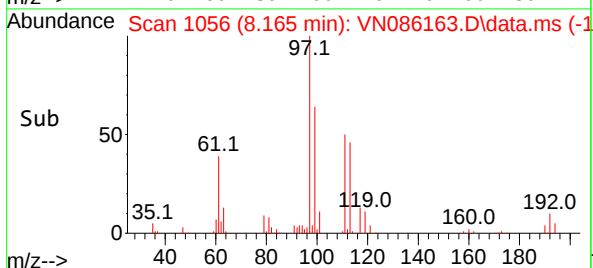
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#32
1,1,1-Trichloroethane
Concen: 44.027 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18



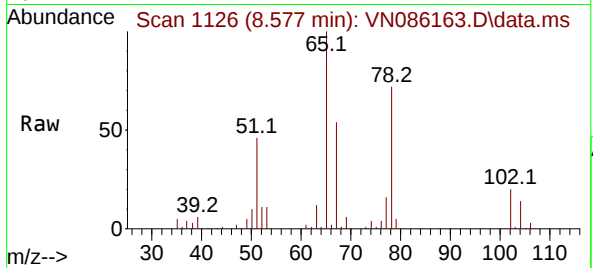
Tgt Ion: 97 Resp: 210092
Ion Ratio Lower Upper
97 100
99 65.5 52.8 79.2
61 42.8 33.6 50.4





#33
 1,2-Dichloroethane-d4
 Concen: 43.798 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18

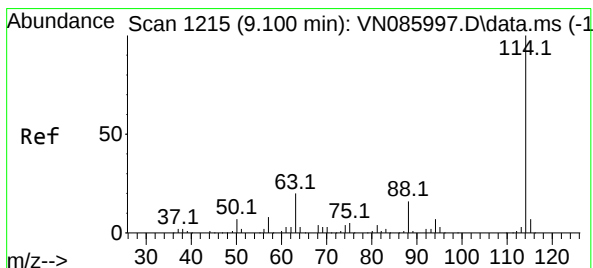
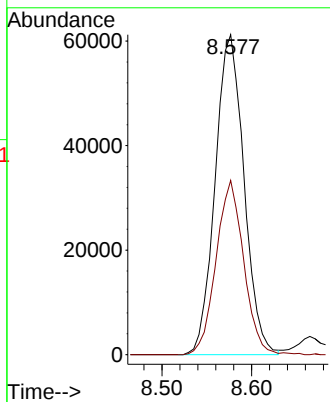
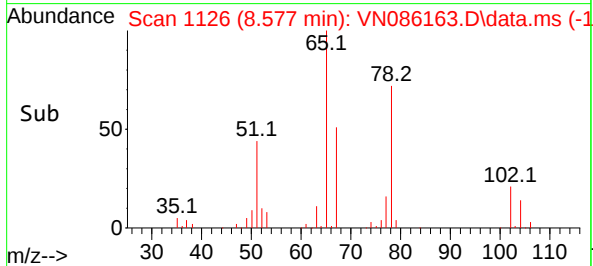
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-01MS



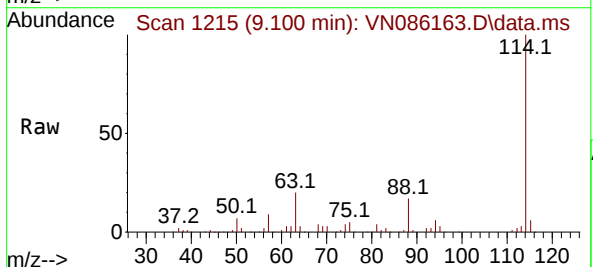
Tgt Ion: 65 Resp: 136570
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.2

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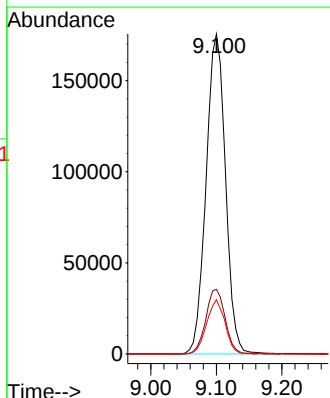
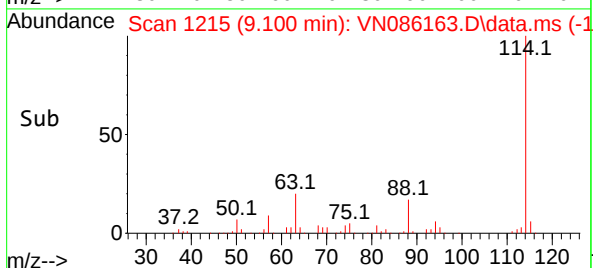
Reviewed By :John Carlone 03/31/2025
 Supervised By :Mahesh Dadoda 03/31/2025



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18



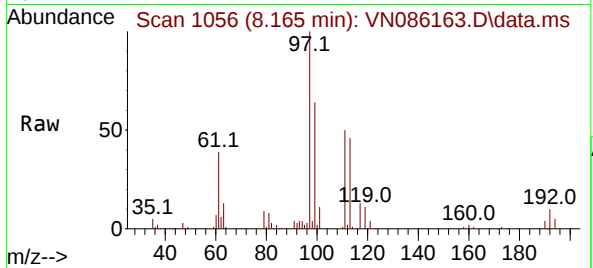
Tgt Ion:114 Resp: 361019
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.6
 88 17.0 0.0 32.6





#35
Dibromofluoromethane
Concen: 38.957 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

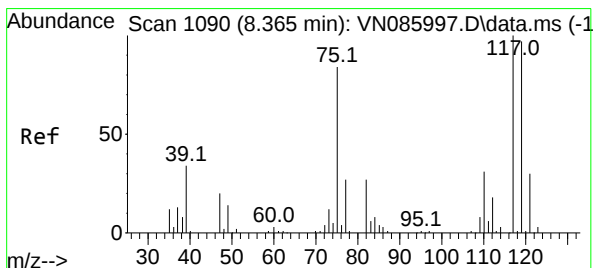
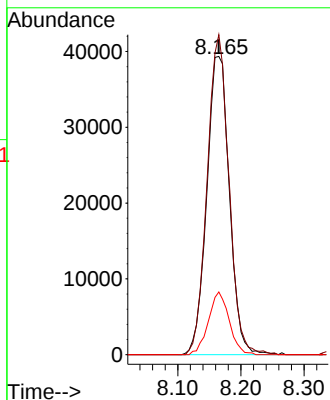
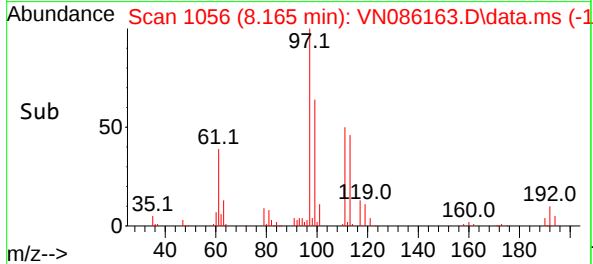
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 113 Resp: 98160
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 19.3 15.9 23.9

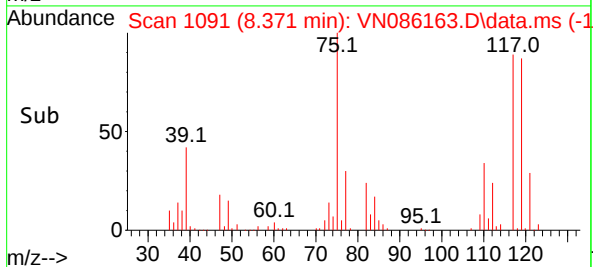
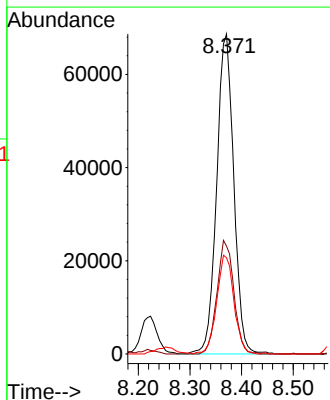
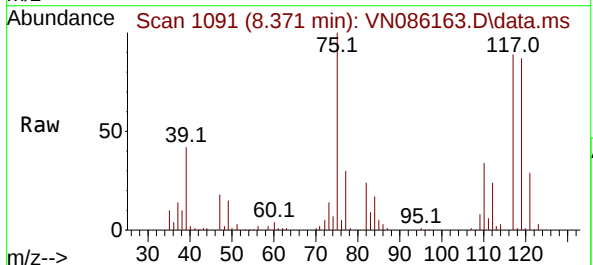
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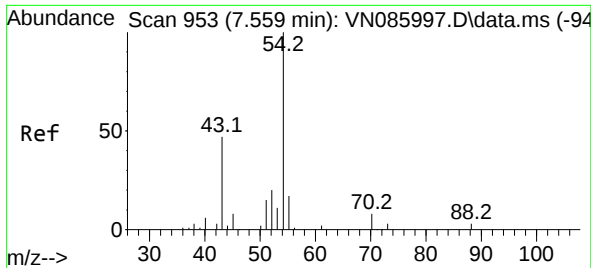
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#36
1,1-Dichloropropene
Concen: 47.547 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion: 75 Resp: 157763
Ion Ratio Lower Upper
75 100
110 35.0 17.8 53.3
77 31.1 25.0 37.4





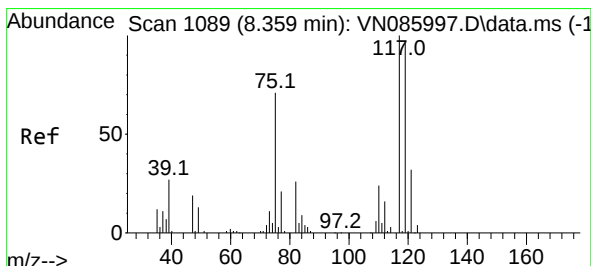
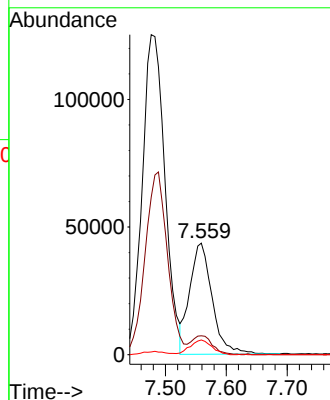
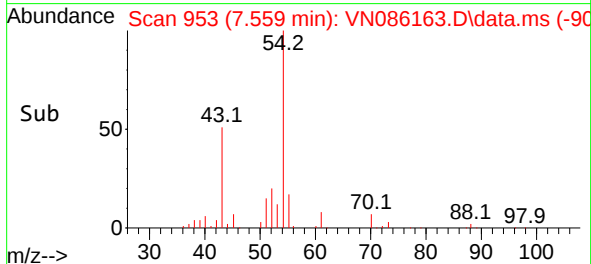
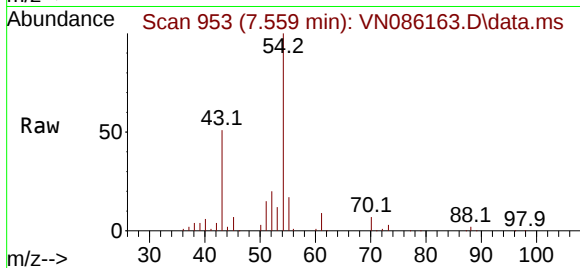
#37
Ethyl Acetate
Concen: 39.942 ug/l
RT: 7.559 min Scan# 911
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 43 Resp: 111808
Ion Ratio Lower Upper
43 100
61 15.7 13.0 19.4
70 12.7 11.0 16.6

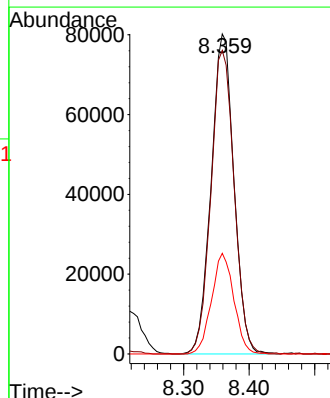
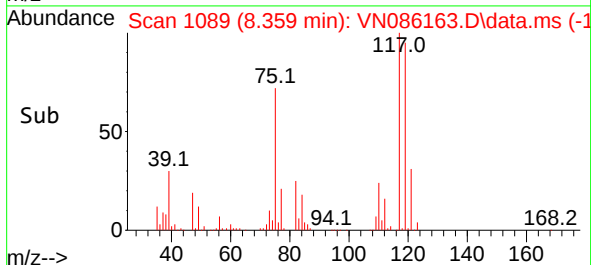
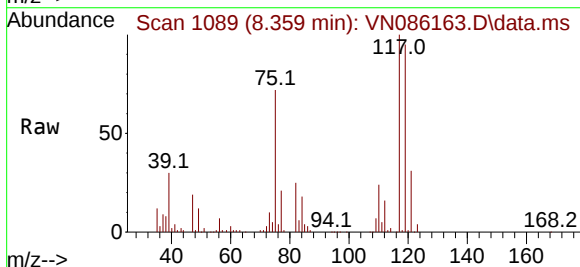
Manual Integrations
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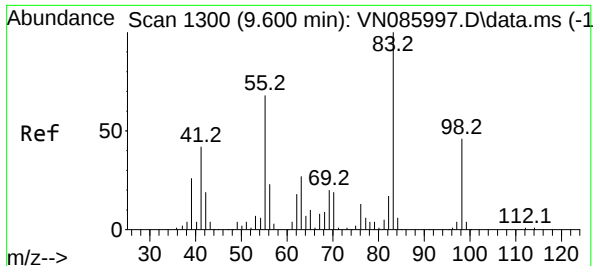
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#38
Carbon Tetrachloride
Concen: 44.306 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion:117 Resp: 193294
Ion Ratio Lower Upper
117 100
119 94.9 77.0 115.4
121 31.4 25.6 38.4





#39

Methylcyclohexane

Concen: 47.270 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.000 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01MS

Tgt Ion: 83 Resp: 155609

Ion Ratio Lower Upper

83 100

55 71.3 54.2 81.2

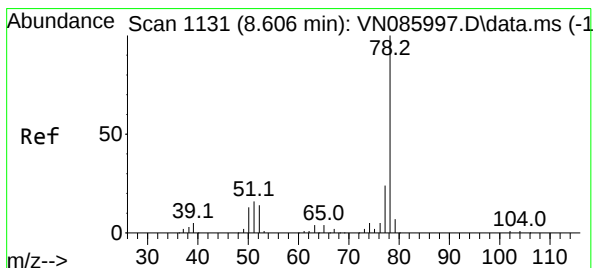
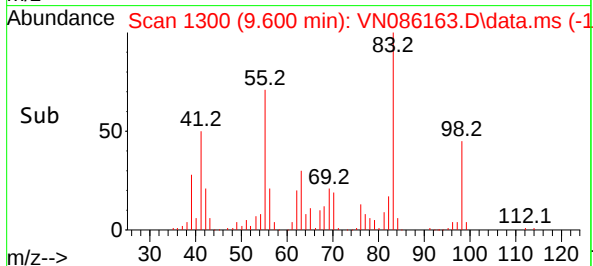
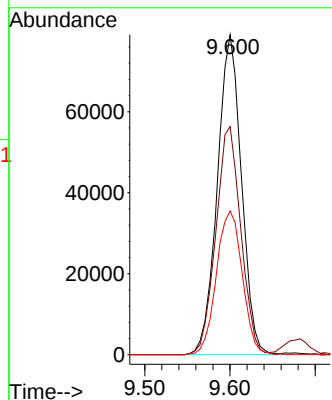
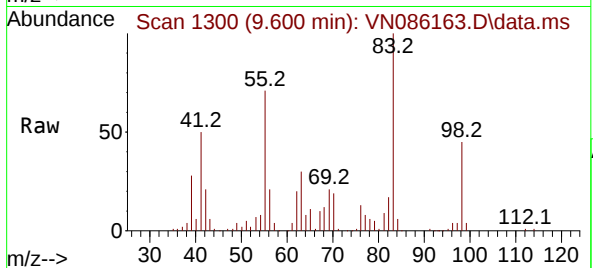
98 44.9 37.1 55.7

Manual Integrations

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Reviewed By :John Carlone 03/31/2025

Supervised By :Mahesh Dadoda 03/31/2025



#40

Benzene

Concen: 48.708 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN086163.D

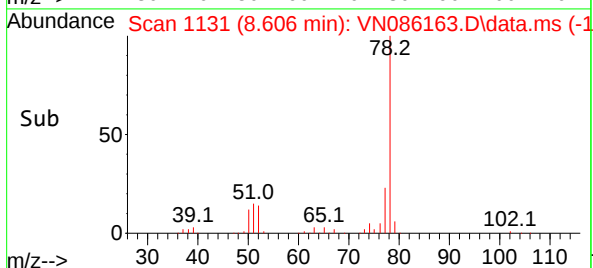
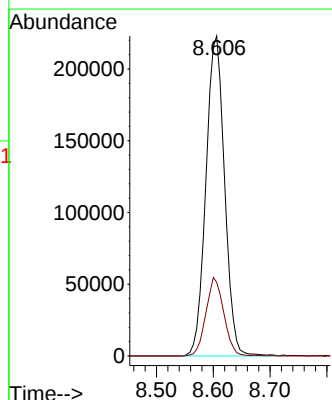
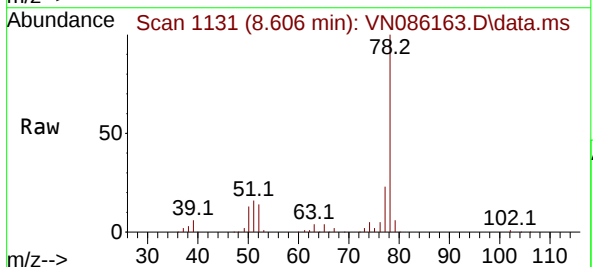
Acq: 28 Mar 2025 20:18

Tgt Ion: 78 Resp: 507344

Ion Ratio Lower Upper

78 100

77 23.0 18.9 28.3





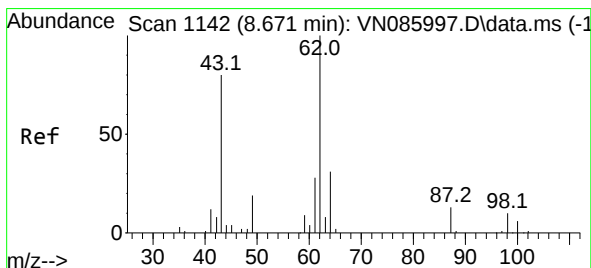
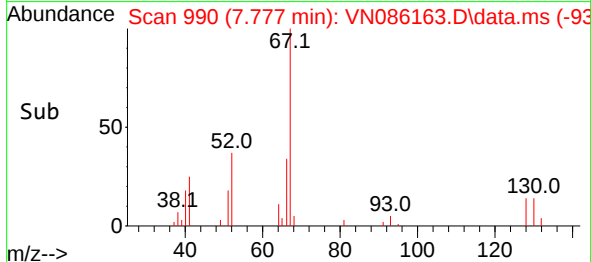
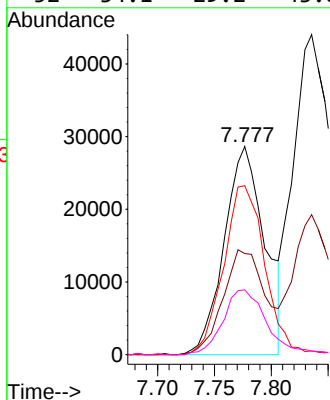
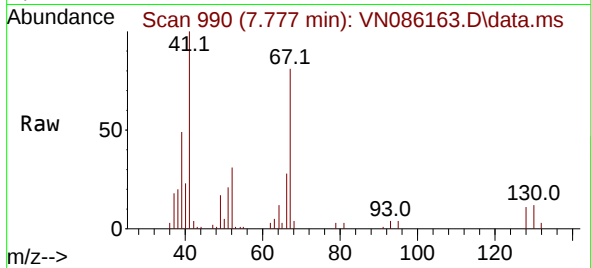
#41
Methacrylonitrile
Concen: 53.150 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 41 Resp: 7104
Ion Ratio Lower Upper
41 100
39 52.8 46.2 69.2
67 82.9 75.9 113.9
52 34.1 29.2 43.8

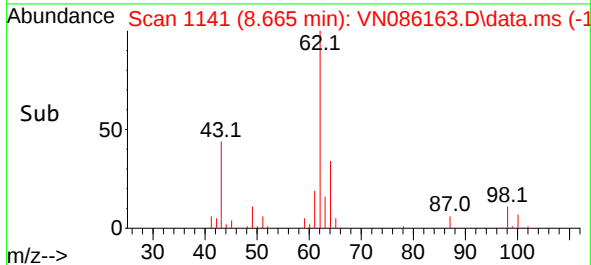
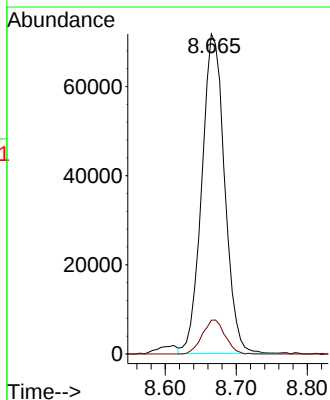
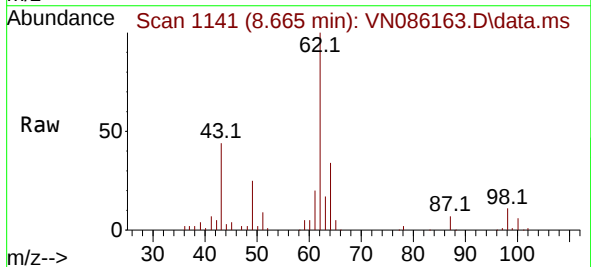
Manual Integrations
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Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#42
1,2-Dichloroethane
Concen: 44.073 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

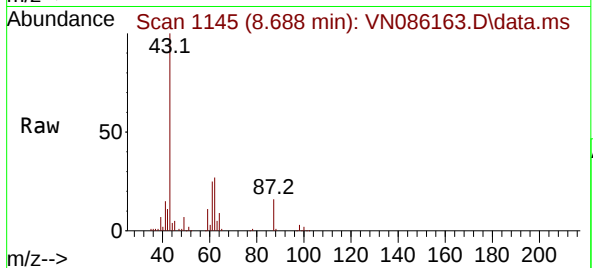
Tgt Ion: 62 Resp: 159959
Ion Ratio Lower Upper
62 100
98 10.6 0.0 18.6





#43
Isopropyl Acetate
Concen: 34.817 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

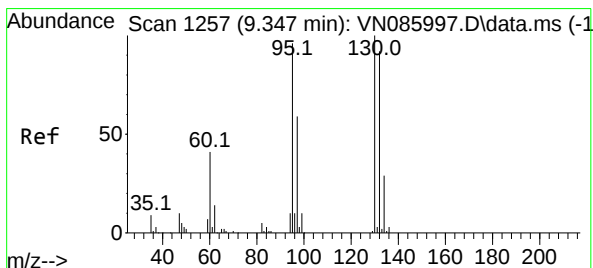
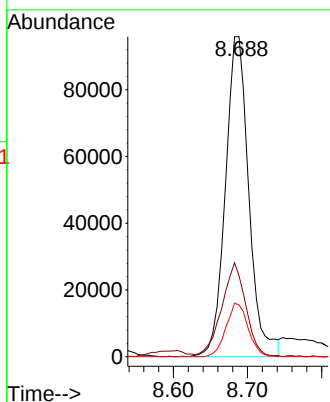
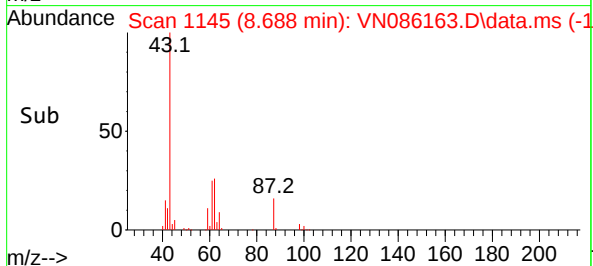
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 43 Resp: 21119
Ion Ratio Lower Upper
43 100
61 30.1 25.0 37.6
87 15.7 13.0 19.4

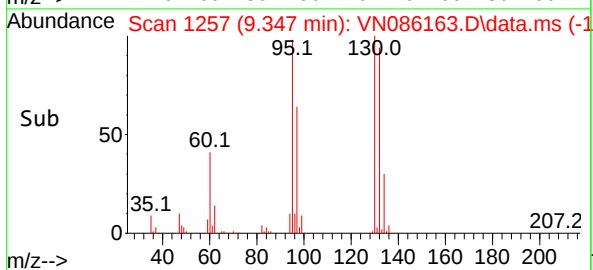
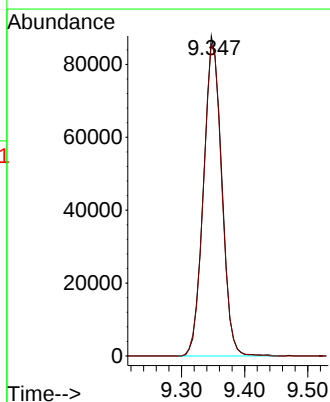
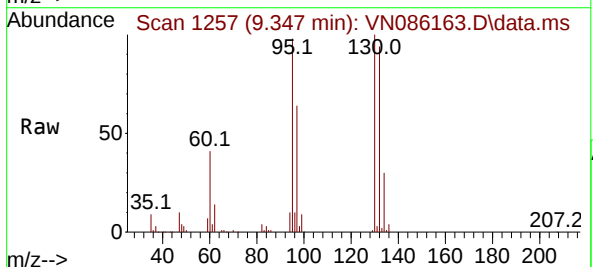
Manual Integrations
APPROVED

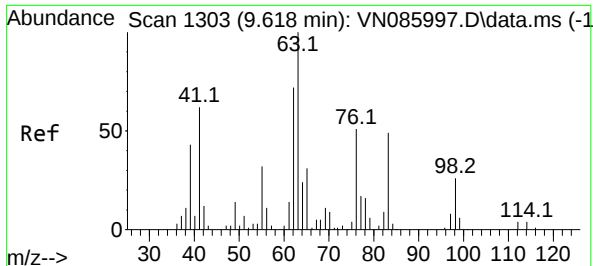
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#44
Trichloroethene
Concen: 64.863 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion:130 Resp: 175105
Ion Ratio Lower Upper
130 100
95 97.5 0.0 191.6





#45

1,2-Dichloropropane

Concen: 51.632 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01MS

Tgt Ion: 63 Resp: 122320

Ion Ratio Lower Upper

63 100

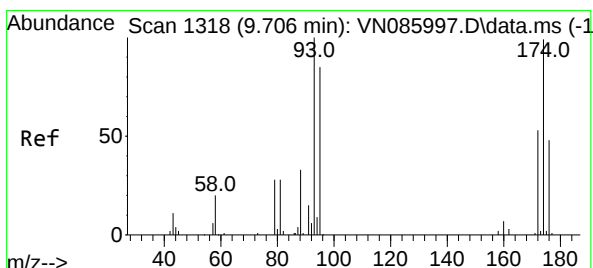
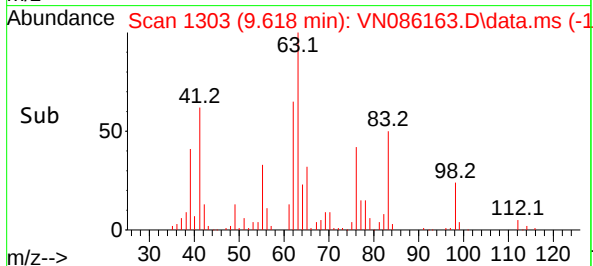
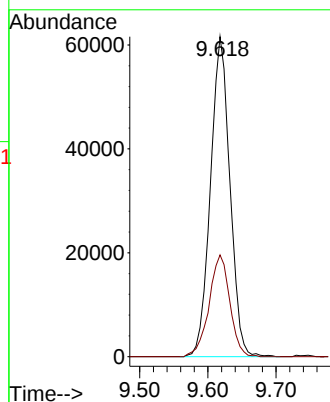
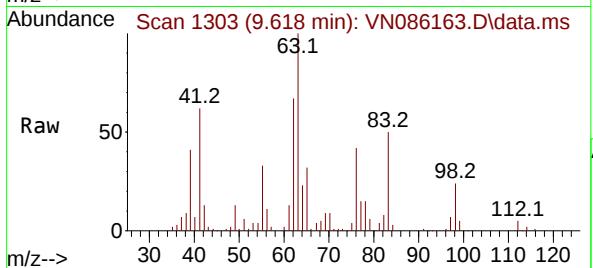
65 31.8 24.7 37.1

Manual Integrations

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Reviewed By :John Carlone 03/31/2025

Supervised By :Mahesh Dadoda 03/31/2025



#46

Dibromomethane

Concen: 47.716 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

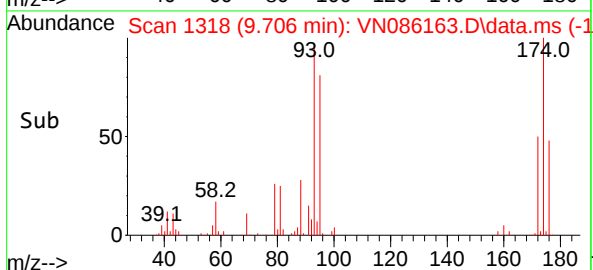
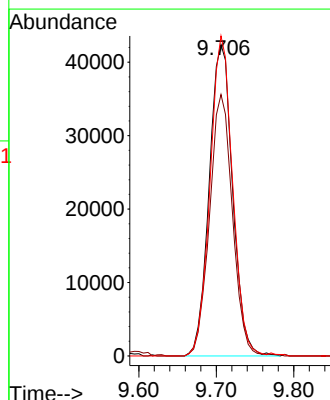
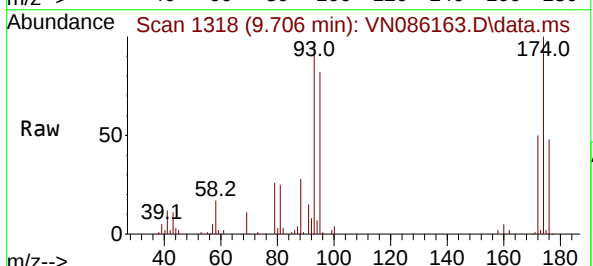
Tgt Ion: 93 Resp: 88901

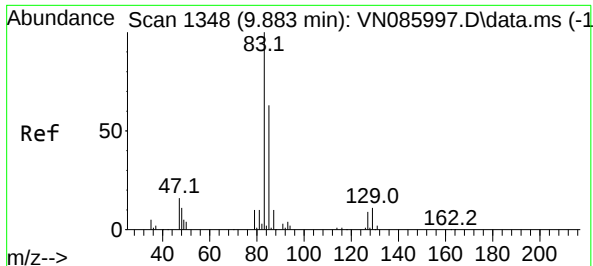
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.2

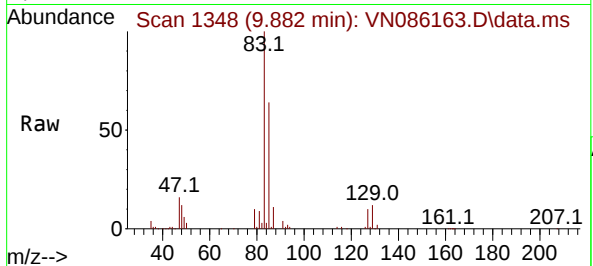
174 99.0 80.1 120.1





#47
Bromodichloromethane
Concen: 47.398 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

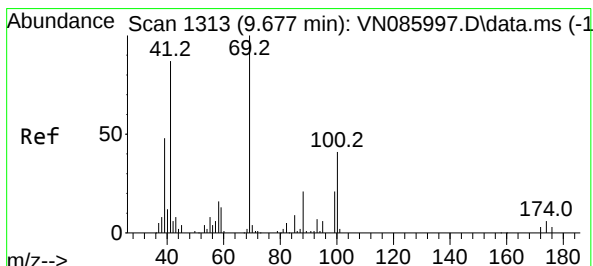
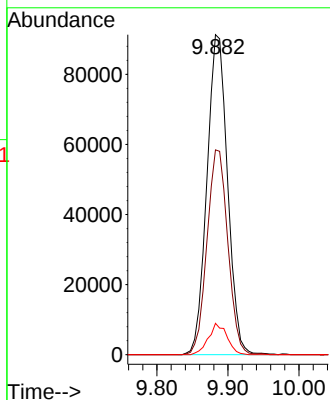
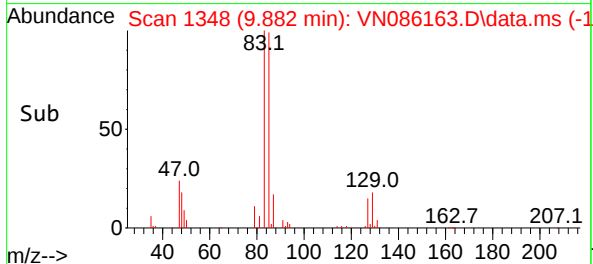
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



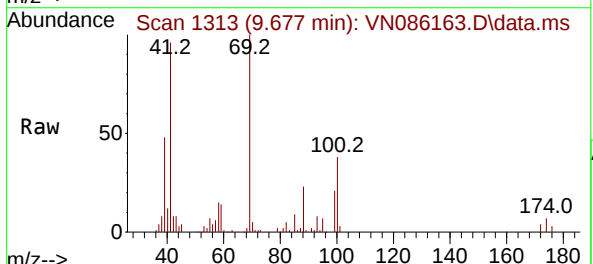
Tgt Ion: 83 Resp: 184562
Ion Ratio Lower Upper
83 100
85 64.0 50.2 75.2
127 9.8 7.1 10.7

Manual Integrations
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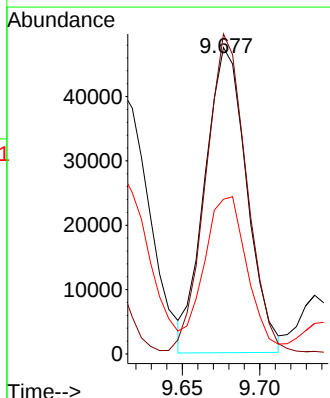
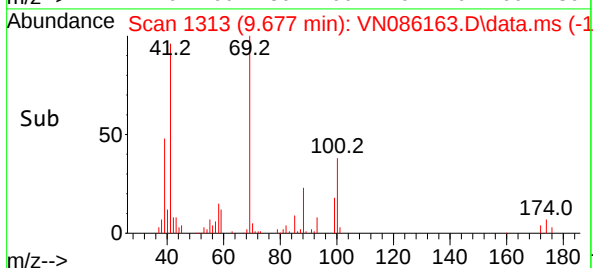
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025

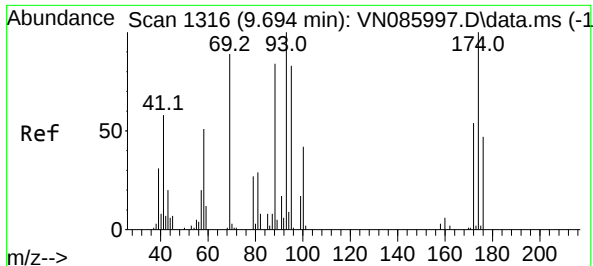


#48
Methyl methacrylate
Concen: 44.639 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18



Tgt Ion: 41 Resp: 89351
Ion Ratio Lower Upper
41 100
69 103.3 83.1 124.7
39 53.8 45.6 68.4





#49

1,4-Dioxane

Concen: 890.990 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01MS

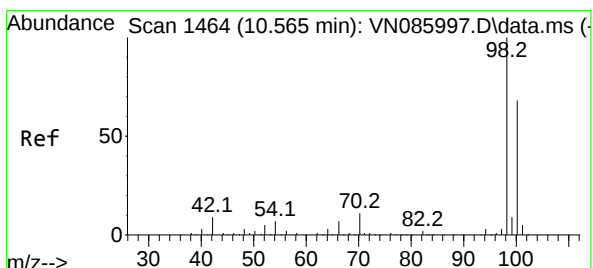
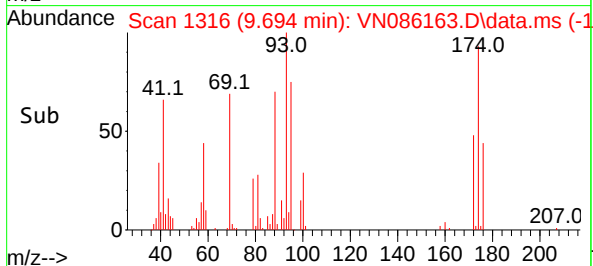
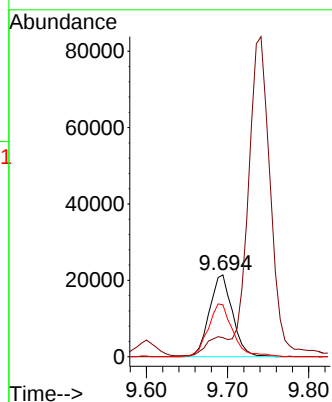
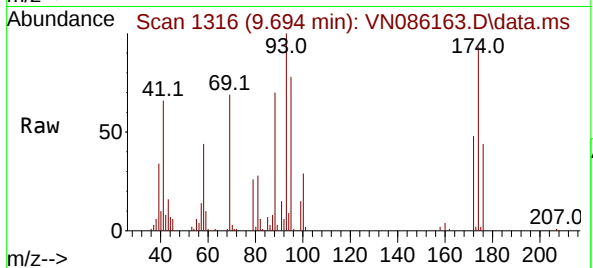
Tgt Ion: 88 Resp: 42160

Ion	Ratio	Lower	Upper
88	100		
43	21.9	21.7	32.5
58	69.2	50.4	75.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/31/2025

Supervised By :Mahesh Dadoda 03/31/2025



#50

Toluene-d8

Concen: 48.062 ug/l

RT: 10.565 min Scan# 1464

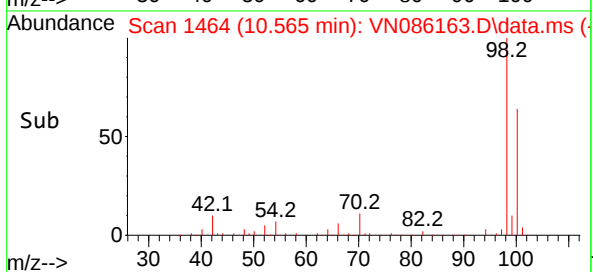
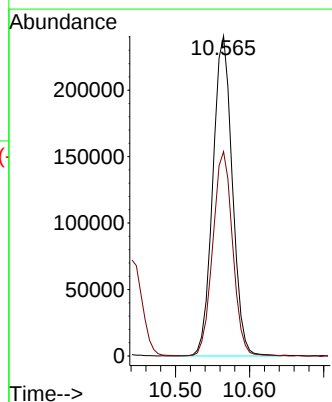
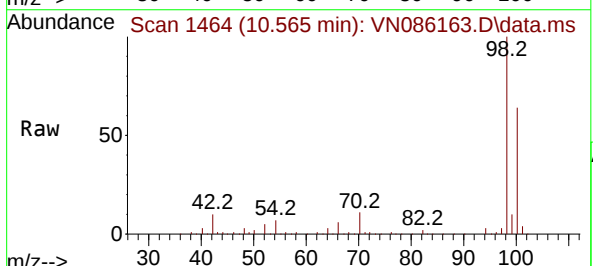
Delta R.T. -0.000 min

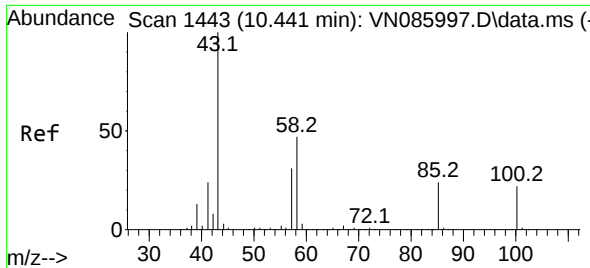
Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

Tgt Ion: 98 Resp: 439543

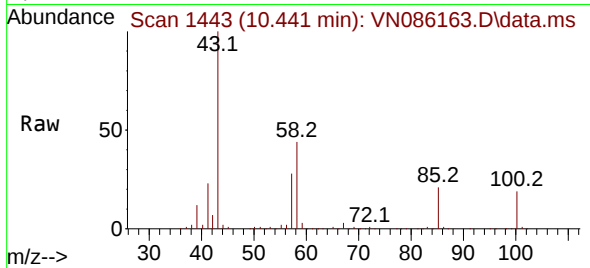
Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.1	79.7





#51
4-Methyl-2-Pentanone
Concen: 252.028 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

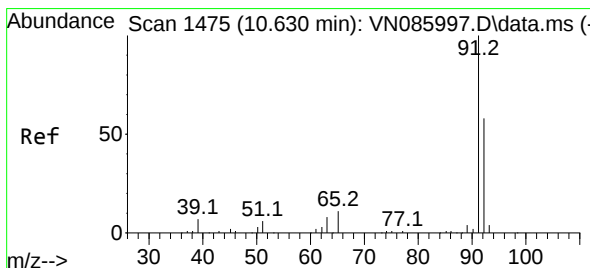
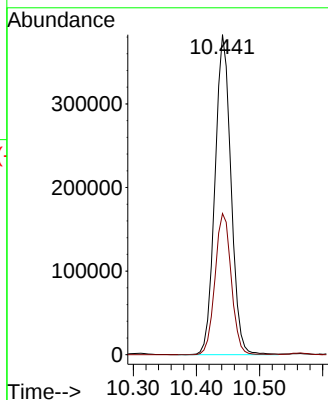
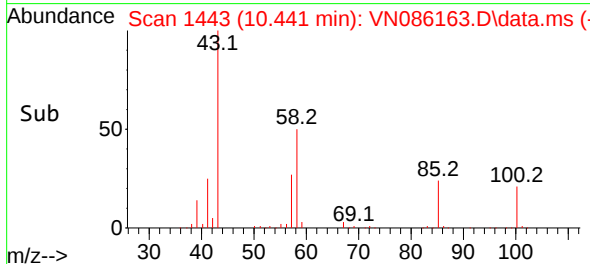
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 43 Resp: 67421
Ion Ratio Lower Upper
43 100
58 44.6 37.4 56.0

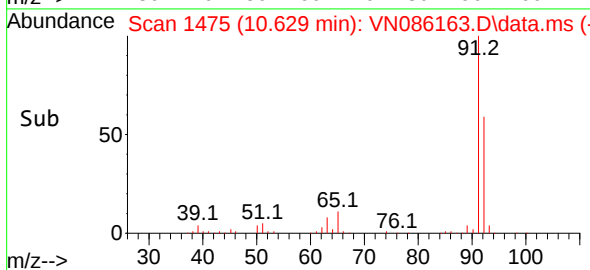
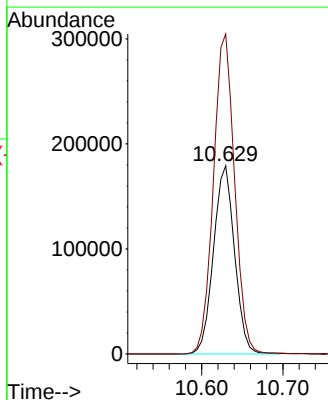
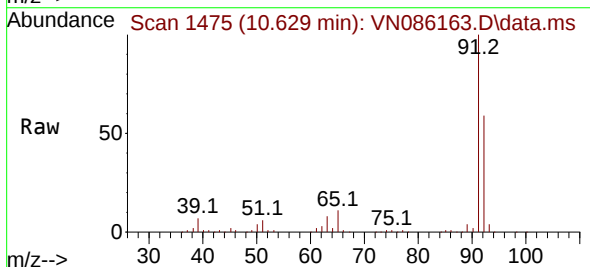
Manual Integrations
APPROVED

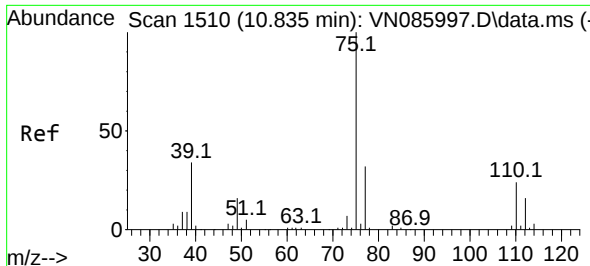
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#52
Toluene
Concen: 50.496 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion: 92 Resp: 322818
Ion Ratio Lower Upper
92 100
91 171.4 136.2 204.4





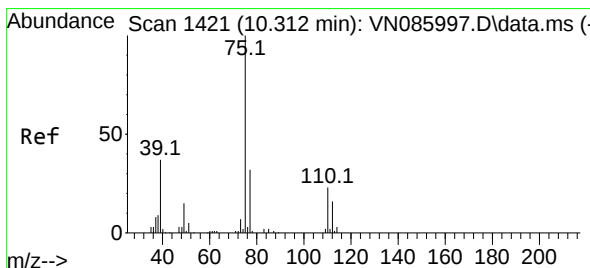
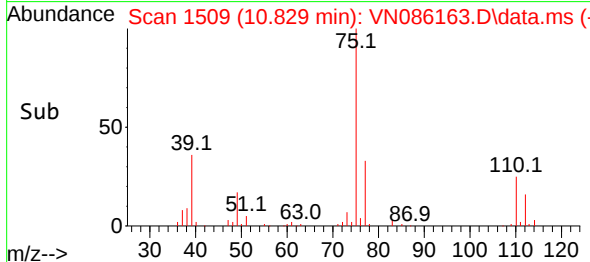
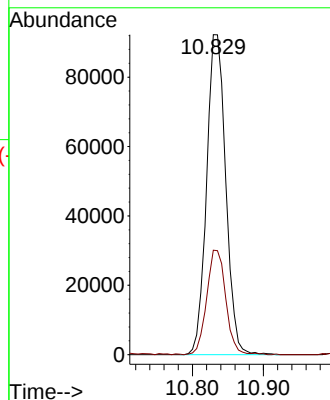
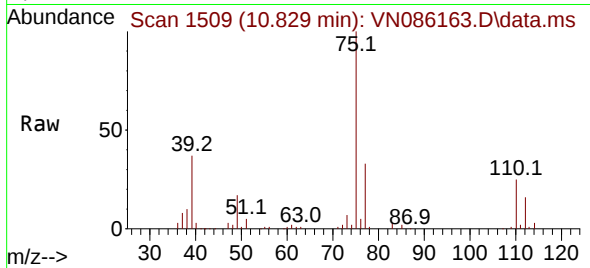
#53
t-1,3-Dichloropropene
Concen: 45.715 ug/l
RT: 10.829 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 75 Resp: 172870
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9

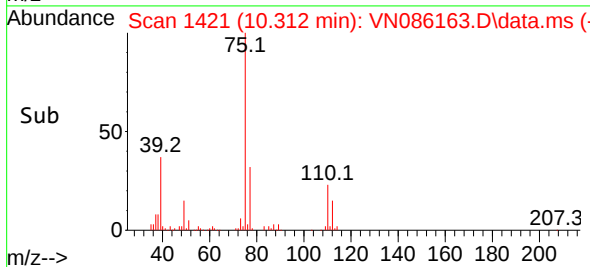
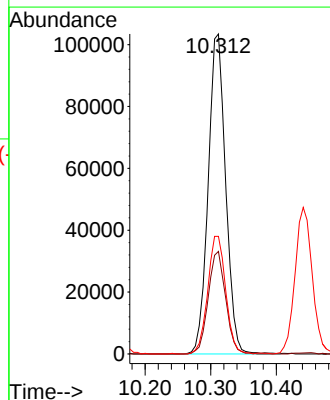
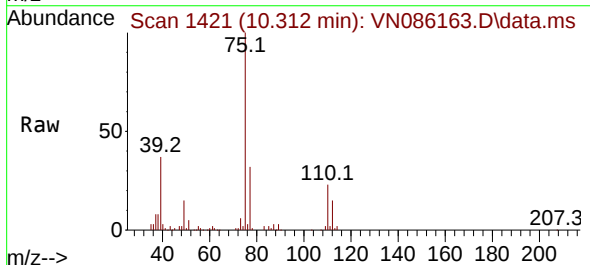
Manual Integrations
APPROVED

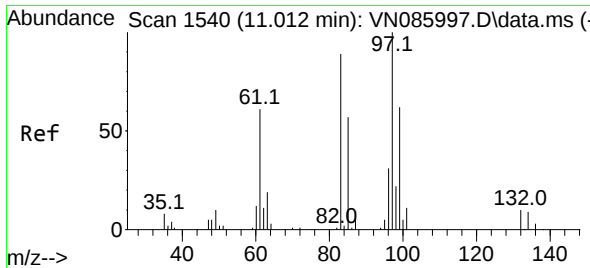
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#54
cis-1,3-Dichloropropene
Concen: 48.044 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

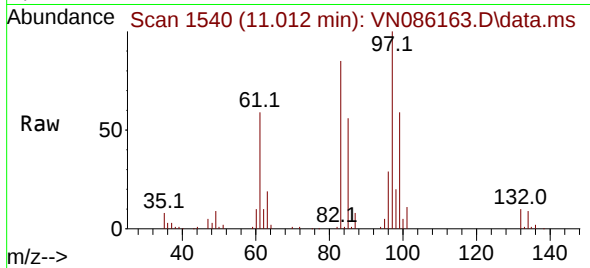
Tgt Ion: 75 Resp: 191689
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 36.8 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 50.730 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

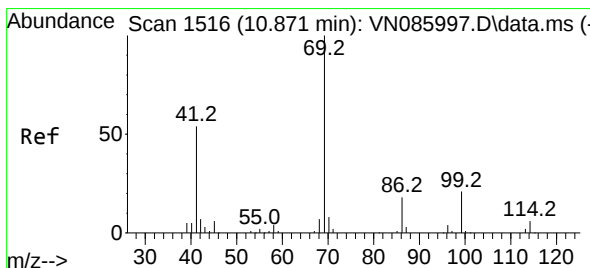
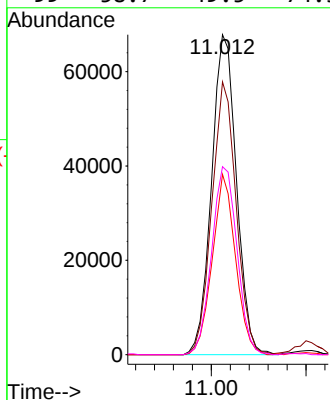
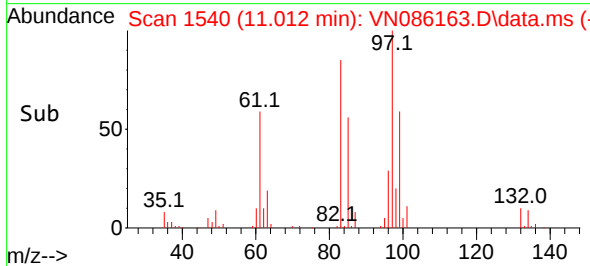
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 97 Resp: 12378
Ion Ratio Lower Upper
97 100
83 85.3 71.2 106.8
85 56.4 45.4 68.0
99 58.7 49.5 74.3

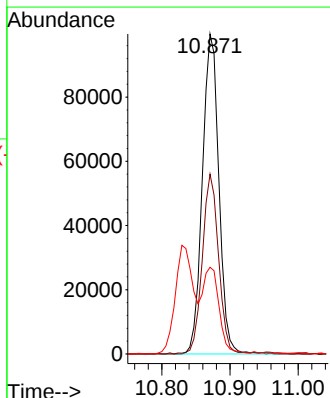
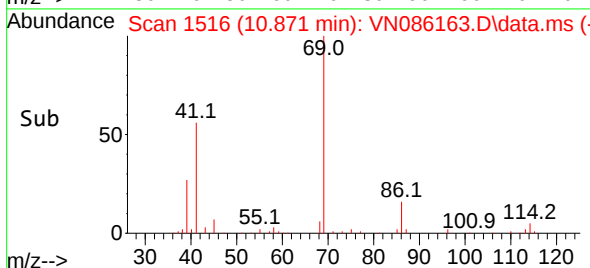
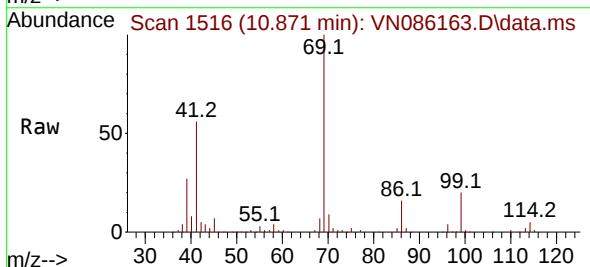
Manual Integrations
APPROVED

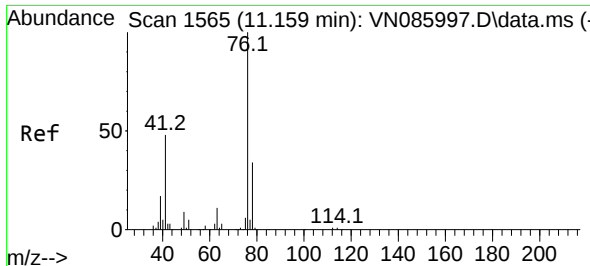
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#56
Ethyl methacrylate
Concen: 44.928 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

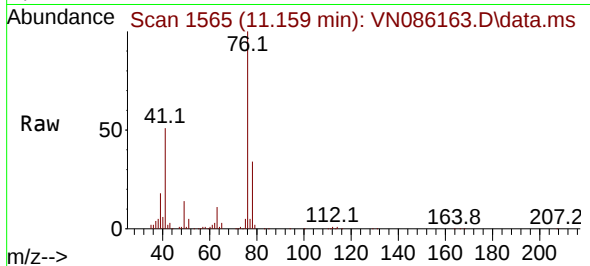
Tgt Ion: 69 Resp: 167499
Ion Ratio Lower Upper
69 100
41 55.4 41.6 62.4
39 26.6 21.8 32.8





#57
1,3-Dichloropropane
Concen: 49.696 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

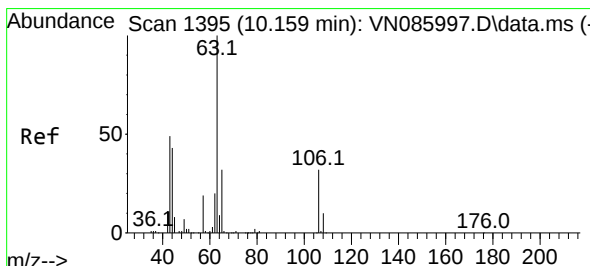
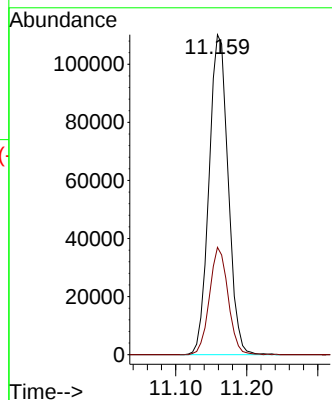
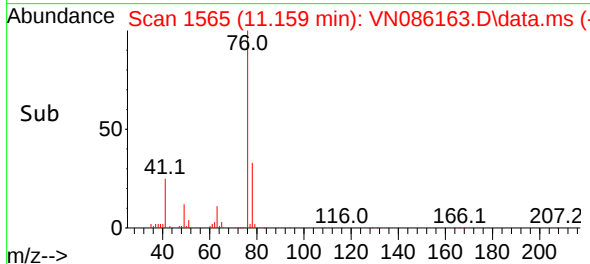
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 76 Resp: 20595
Ion Ratio Lower Upper
76 100
78 32.6 25.8 38.6

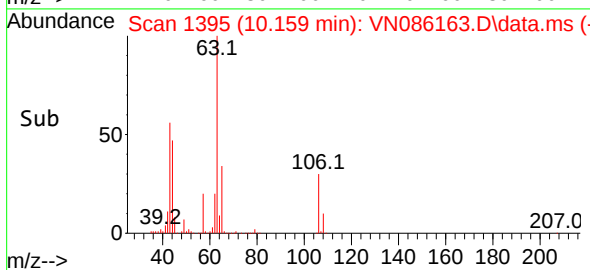
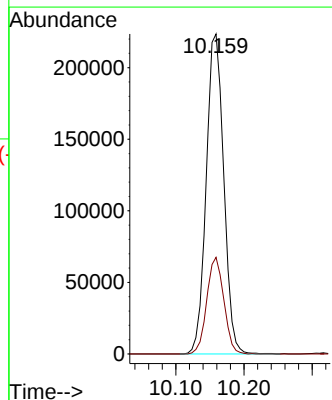
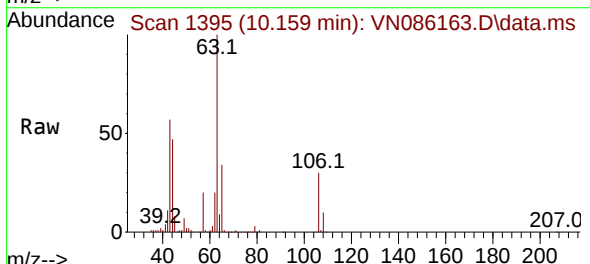
Manual Integrations
APPROVED

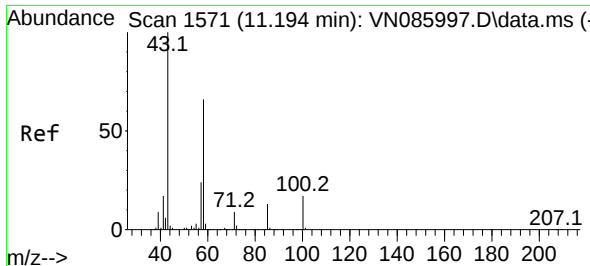
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#58
2-Chloroethyl Vinyl ether
Concen: 269.917 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

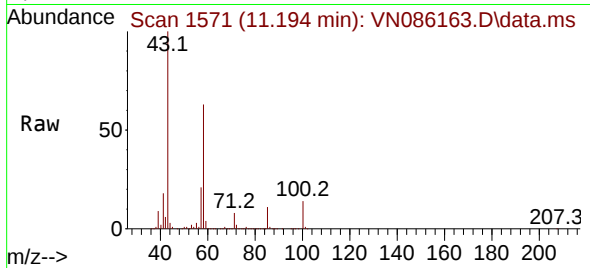
Tgt Ion: 63 Resp: 399789
Ion Ratio Lower Upper
63 100
106 29.3 25.0 37.6





#59
2-Hexanone
Concen: 258.178 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

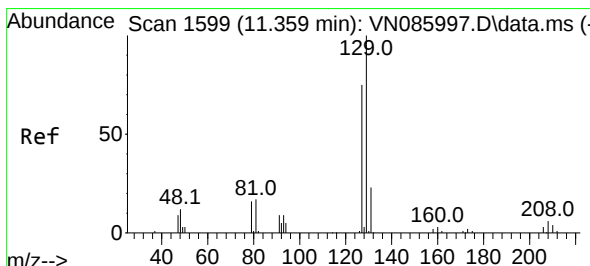
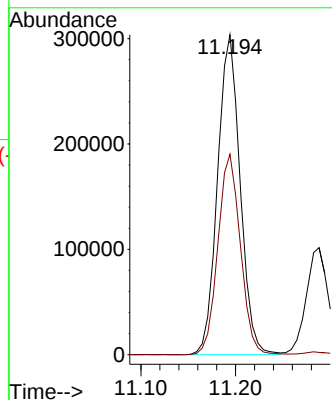
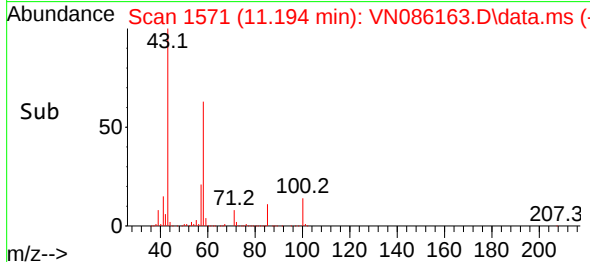
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 43 Resp: 503140
Ion Ratio Lower Upper
43 100
58 62.4 32.4 97.2

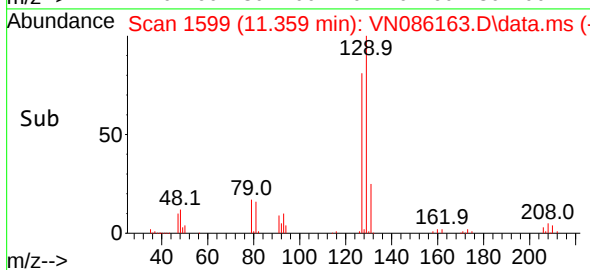
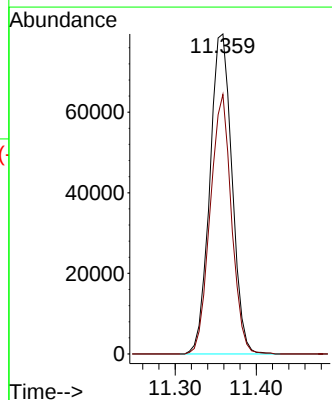
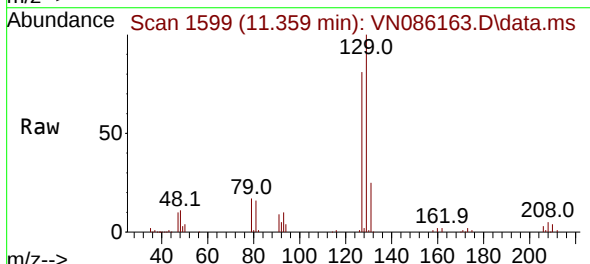
Manual Integrations
APPROVED

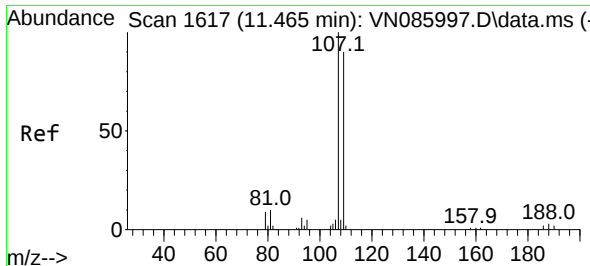
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#60
Dibromochloromethane
Concen: 47.913 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

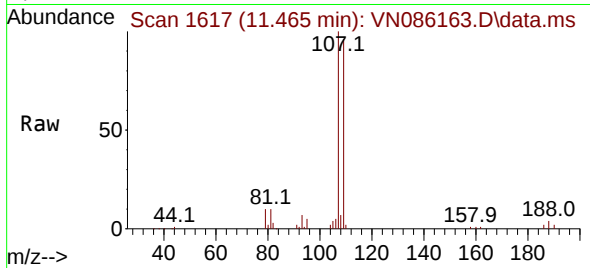
Tgt Ion:129 Resp: 150858
Ion Ratio Lower Upper
129 100
127 77.5 37.8 113.4





#61
1,2-Dibromoethane
Concen: 47.330 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

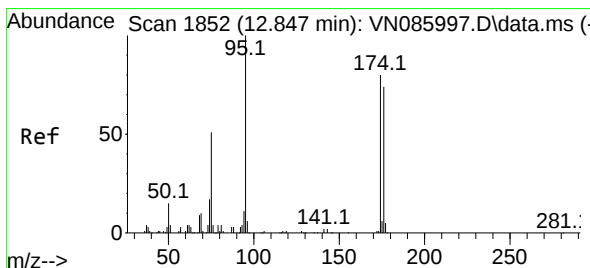
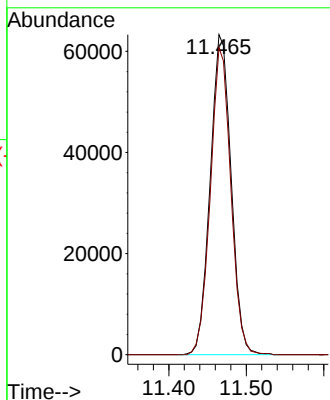
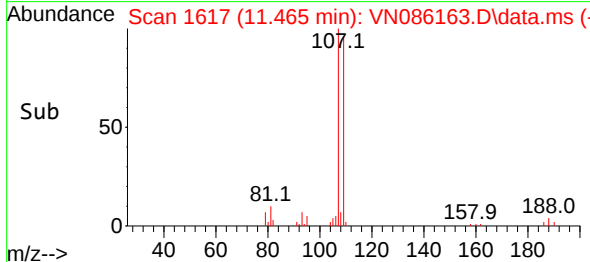
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



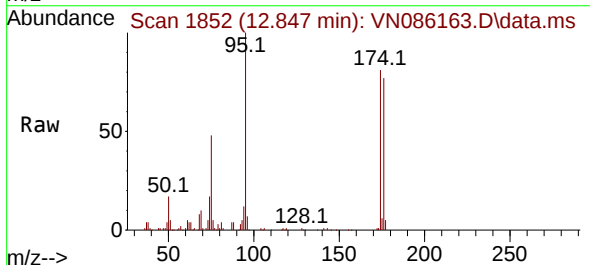
Tgt Ion:107 Resp: 118558
Ion Ratio Lower Upper
107 100
109 93.8 73.3 109.9

Manual Integrations
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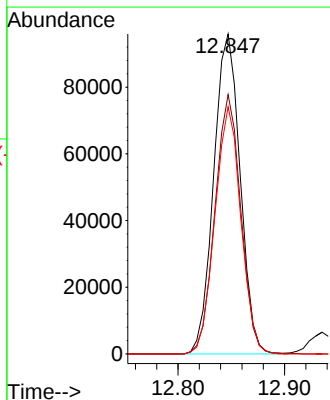
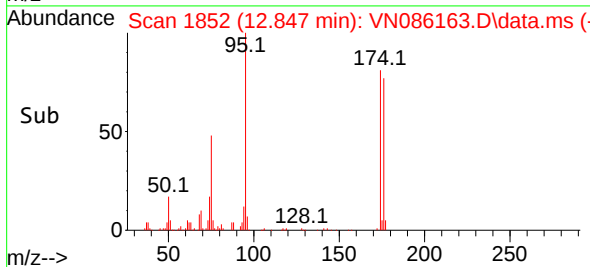
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025

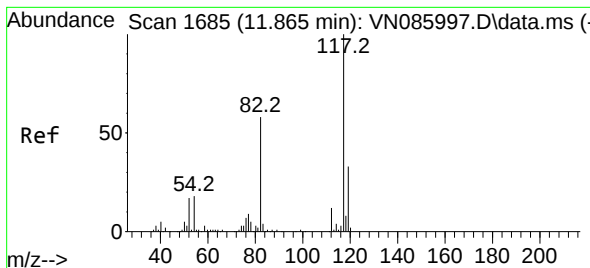


#62
4-Bromofluorobenzene
Concen: 50.608 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18



Tgt Ion: 95 Resp: 165058
Ion Ratio Lower Upper
95 100
174 79.4 0.0 156.8
176 75.9 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01MS

Tgt Ion:117 Resp: 325952

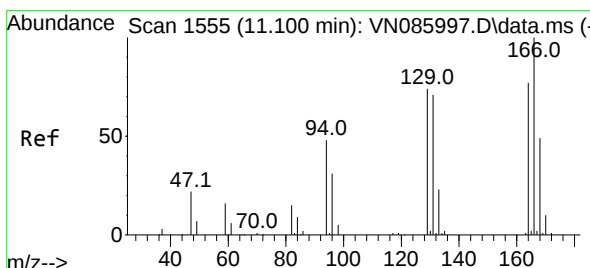
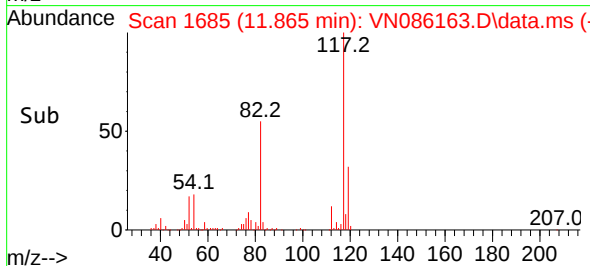
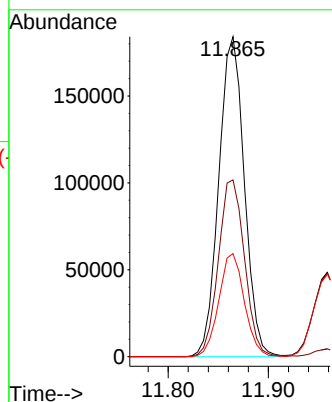
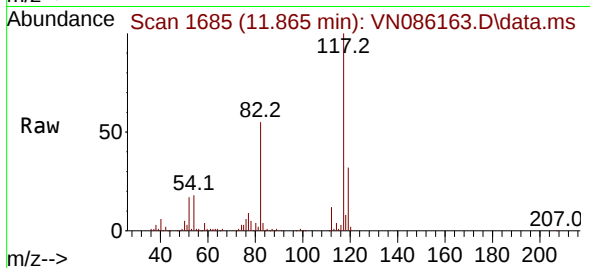
Ion	Ratio	Lower	Upper
117	100		
82	55.2	46.7	70.1
119	32.2	26.5	39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2025

Supervised By :Mahesh Dadoda 03/31/2025



#64

Tetrachloroethene

Concen: 73.339 ug/l

RT: 11.100 min Scan# 1555

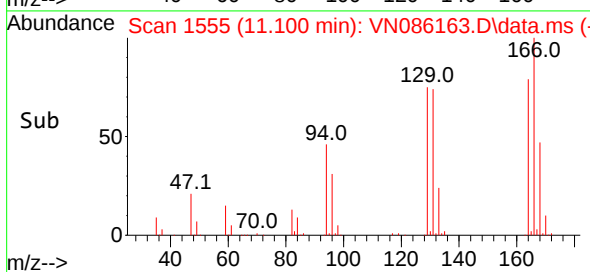
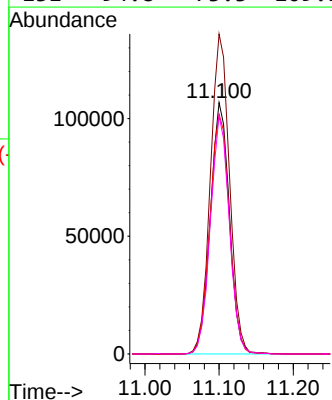
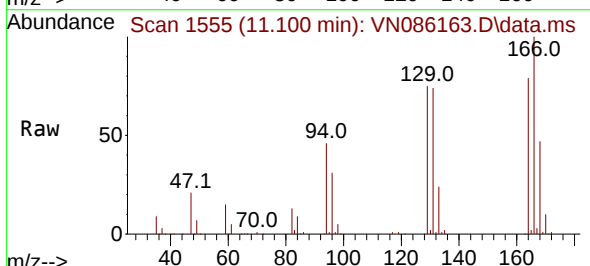
Delta R.T. -0.000 min

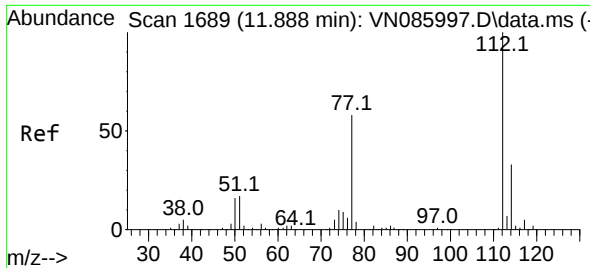
Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

Tgt Ion:164 Resp: 190692

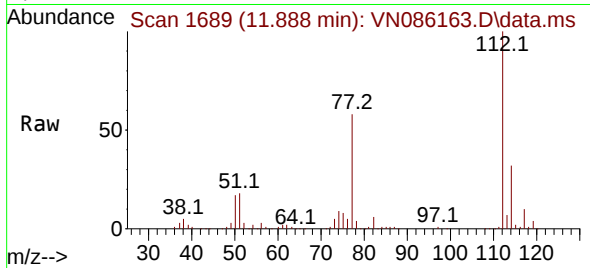
Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.7	155.5
129	95.3	77.1	115.7
131	94.8	73.3	109.9





#65
Chlorobenzene
Concen: 46.733 ug/l
RT: 11.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

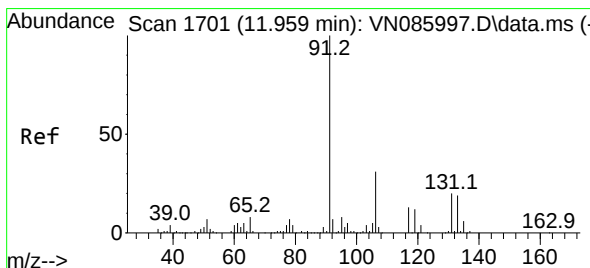
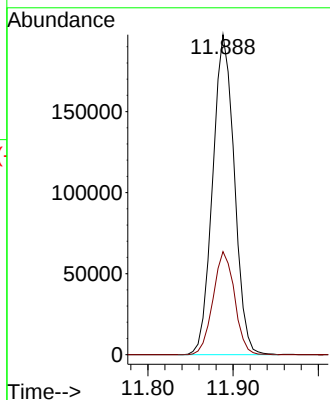
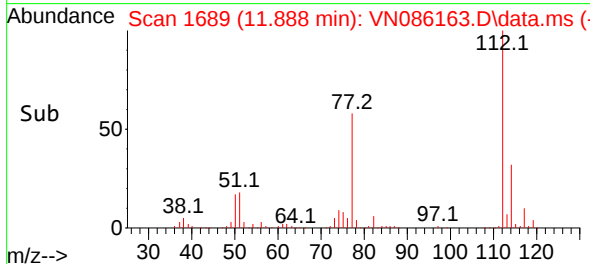
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion:112 Resp: 34856
Ion Ratio Lower Upper
112 100
114 32.2 26.3 39.5

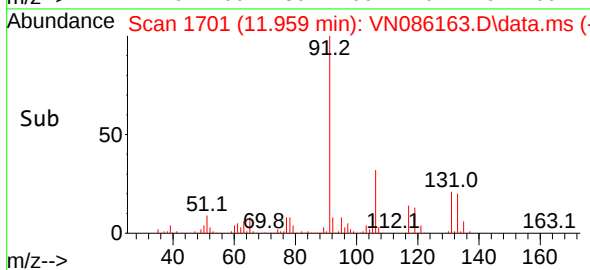
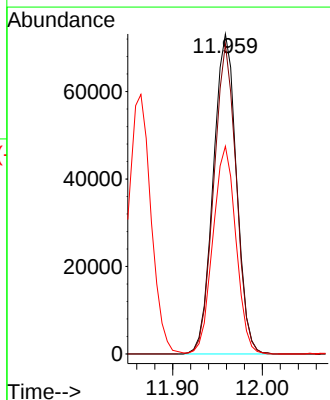
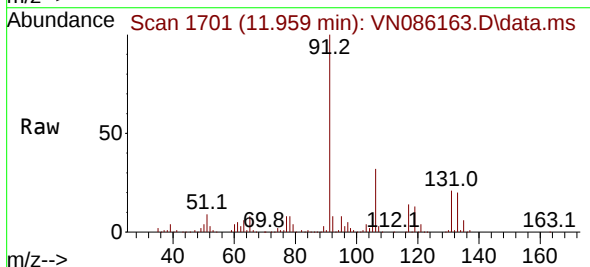
Manual Integrations
APPROVED

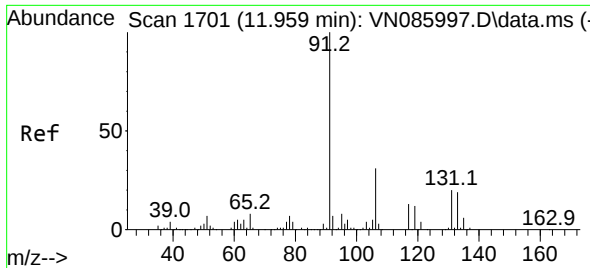
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 47.309 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

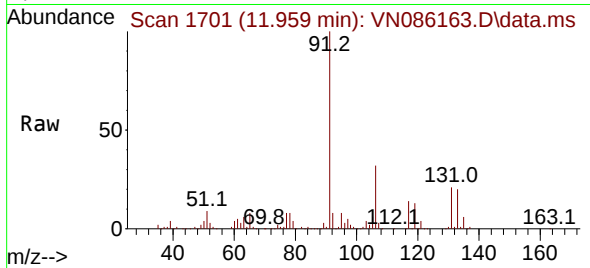
Tgt Ion:131 Resp: 131172
Ion Ratio Lower Upper
131 100
133 94.0 47.0 141.0
119 64.2 31.4 94.0





#67
Ethyl Benzene
Concen: 49.937 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

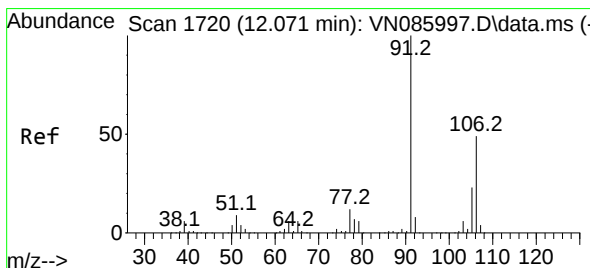
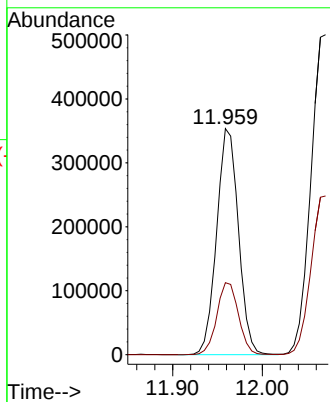
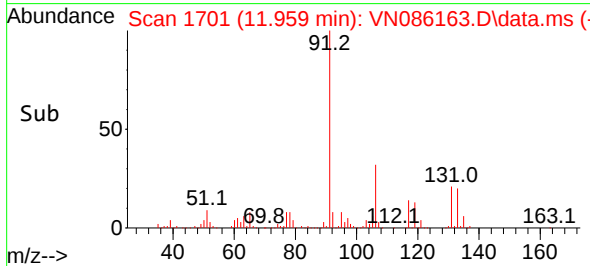
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



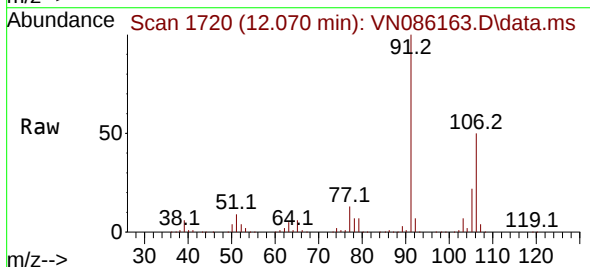
Tgt Ion: 91 Resp: 59580
Ion Ratio Lower Upper
91 100
106 31.9 24.5 36.7

Manual Integrations
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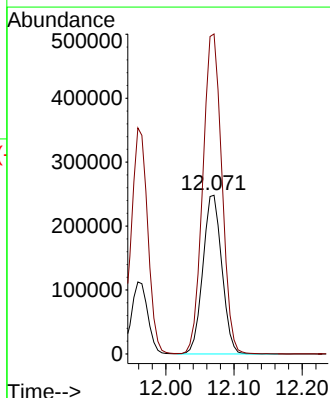
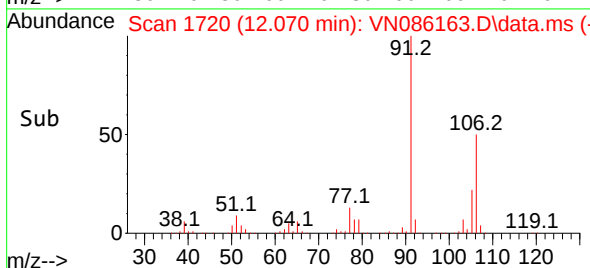
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025

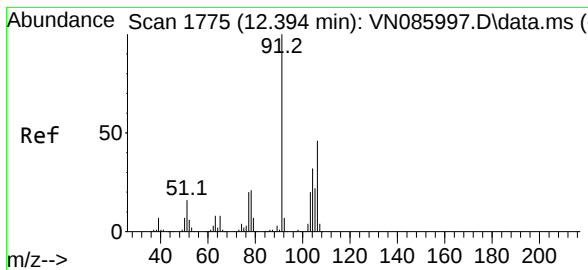


#68
m/p-Xylenes
Concen: 102.455 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18



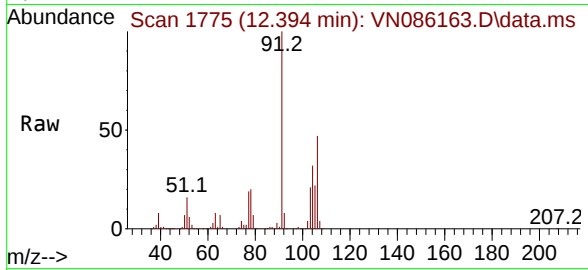
Tgt Ion:106 Resp: 480459
Ion Ratio Lower Upper
106 100
91 203.0 163.9 245.9





#69
o-Xylene
Concen: 52.838 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

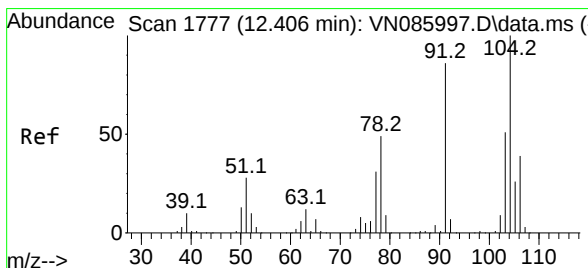
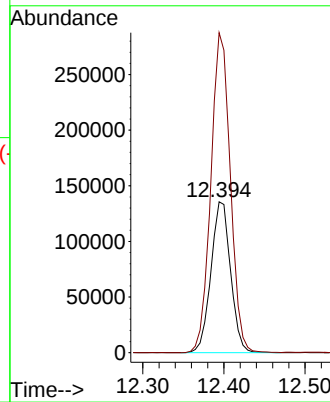
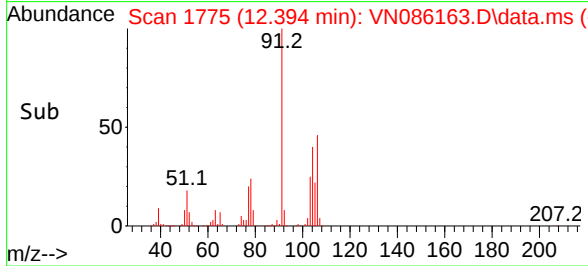
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion:106 Resp: 227414
Ion Ratio Lower Upper
106 100
91 210.6 109.1 327.2

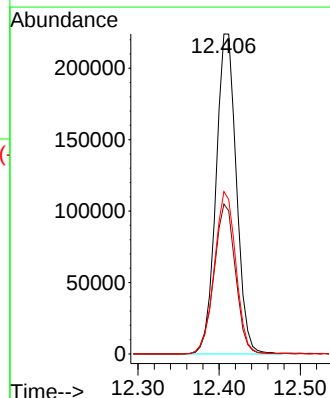
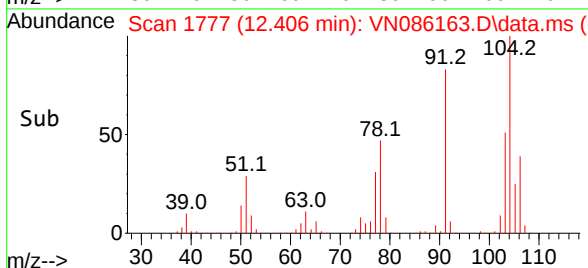
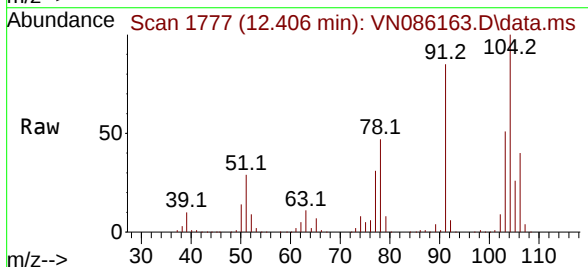
Manual Integrations
APPROVED

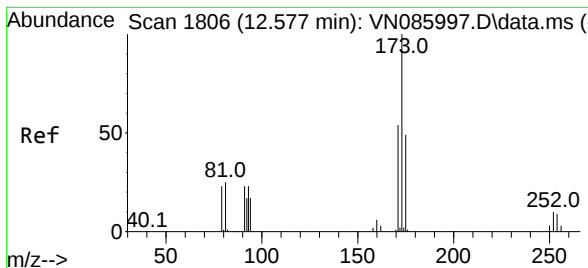
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#70
Styrene
Concen: 53.217 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion:104 Resp: 391221
Ion Ratio Lower Upper
104 100
78 49.5 41.4 62.2
103 53.6 42.9 64.3





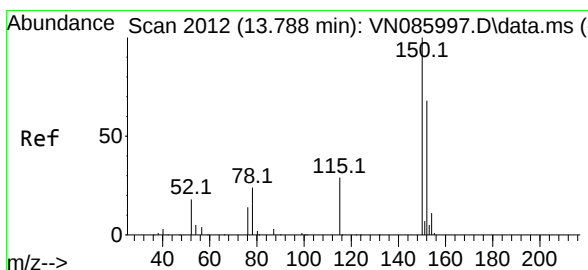
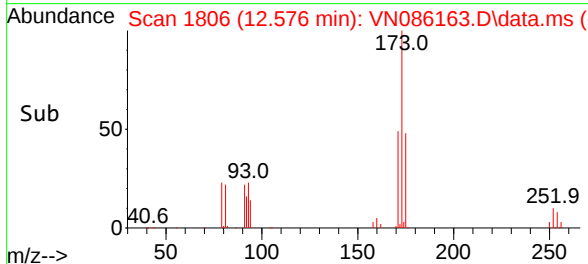
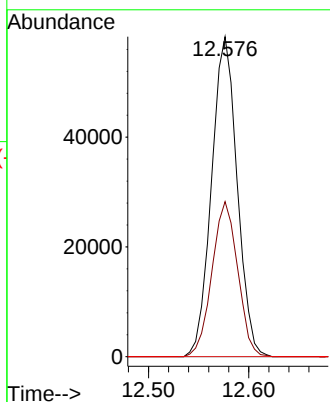
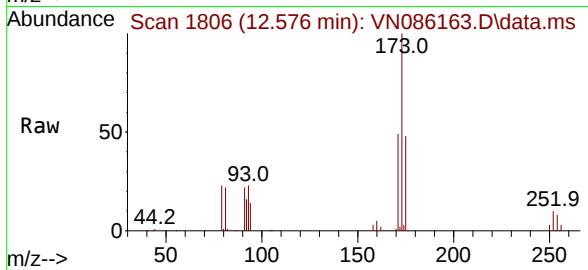
#71
Bromoform
Concen: 44.612 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:173 Resp: 103400
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 0.0 0.0 0.0

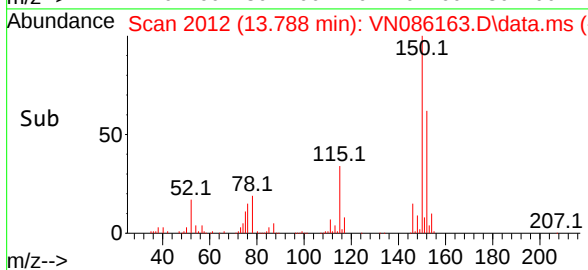
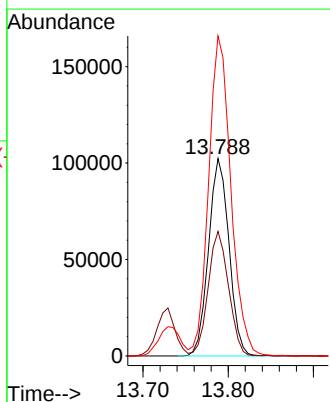
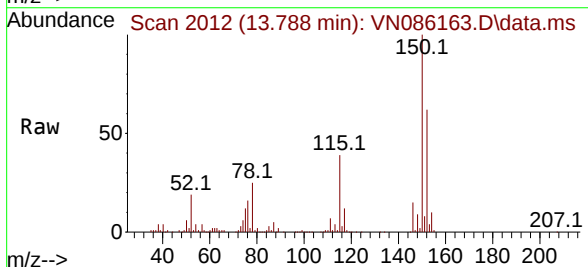
Manual Integrations
APPROVED

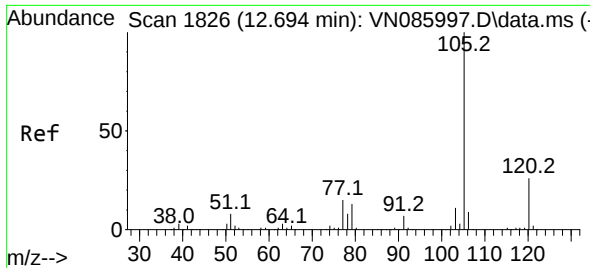
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

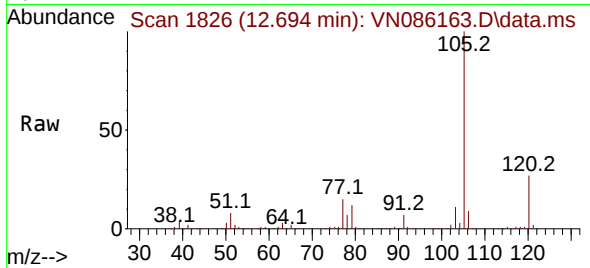
Tgt Ion:152 Resp: 170825
Ion Ratio Lower Upper
152 100
115 62.9 31.1 93.2
150 176.2 0.0 359.6





#73
Isopropylbenzene
Concen: 47.535 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

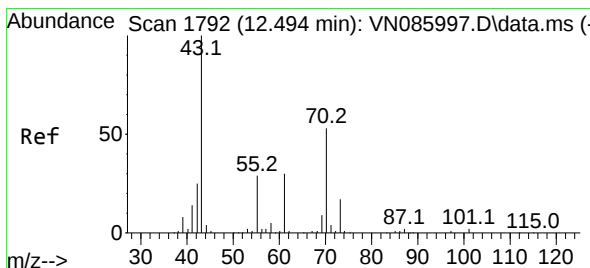
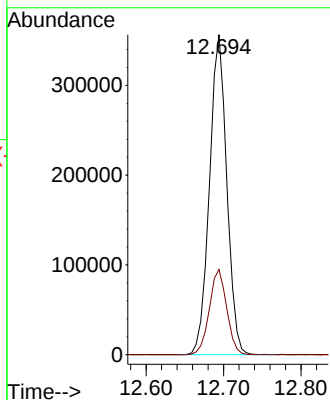
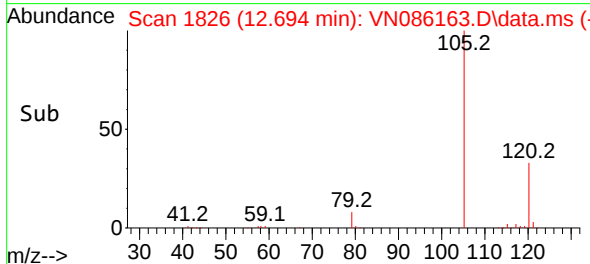
Instrument : MSVOA_N
ClientSampleId : P001-BBDGA-001-01MS



Tgt Ion:105 Resp: 554510
Ion Ratio Lower Upper
105 100
120 26.6 13.0 39.0

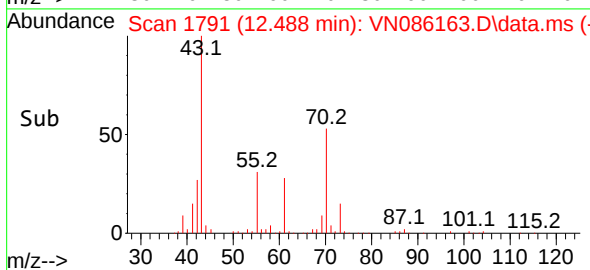
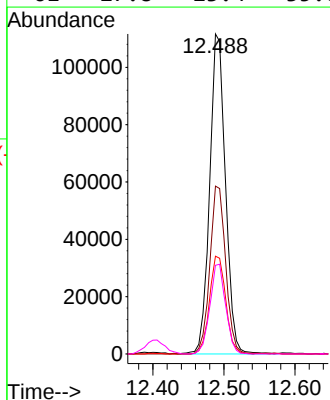
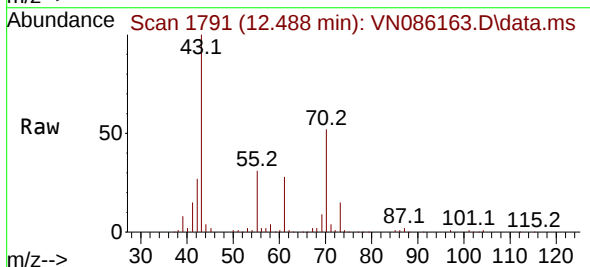
Manual Integrations
APPROVED

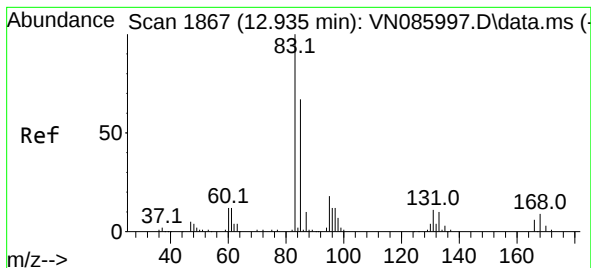
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#74
N-ethyl acetate
Concen: 44.237 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion: 43 Resp: 172649
Ion Ratio Lower Upper
43 100
70 52.4 43.0 64.4
55 31.6 23.8 35.8
61 27.8 23.4 35.0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.708 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01MS

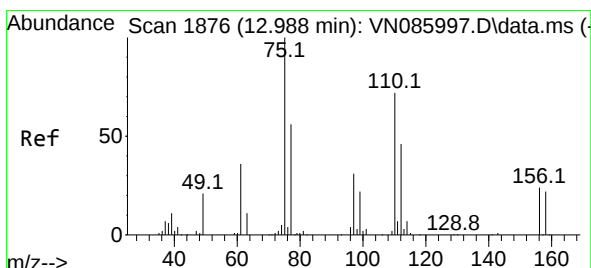
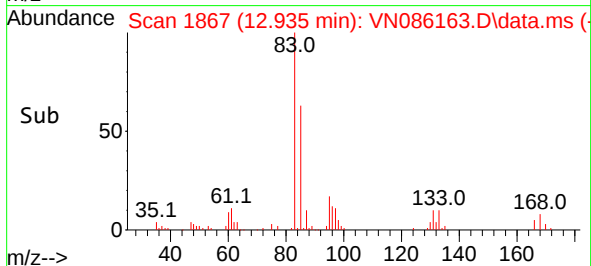
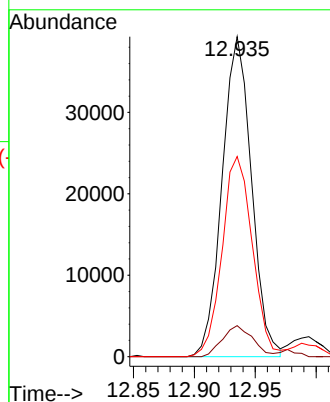
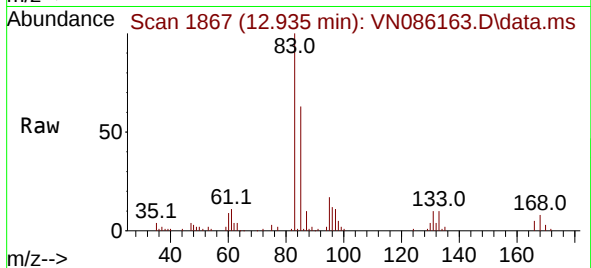
Tgt Ion: 83 Resp: 65940
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.5 16.5
 85 64.5 32.6 97.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2025

Supervised By :Mahesh Dadoda 03/31/2025



#76

1,2,3-Trichloropropane

Concen: 35.989 ug/l m

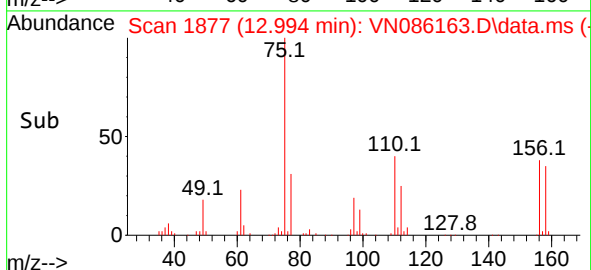
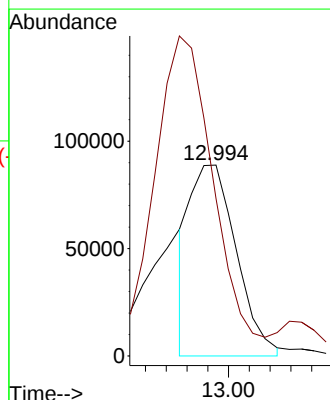
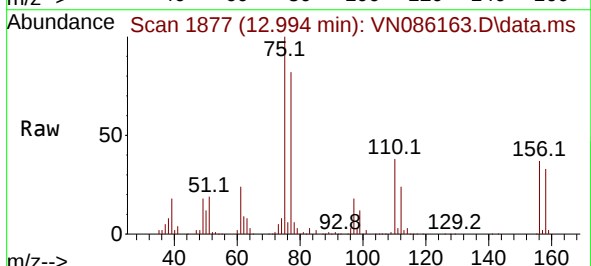
RT: 12.994 min Scan# 1877

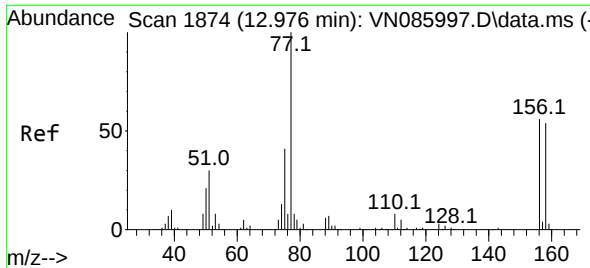
Delta R.T. 0.006 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

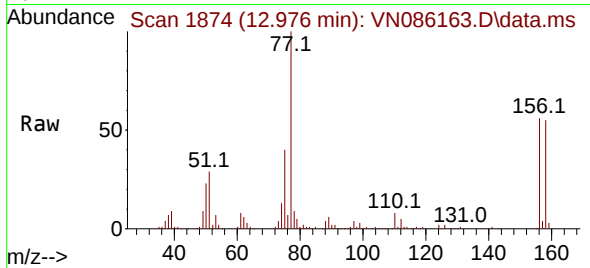
Tgt Ion: 75 Resp: 137638
 Ion Ratio Lower Upper
 75 100
 77 216.0 83.7 251.0





#77
Bromobenzene
Concen: 44.707 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

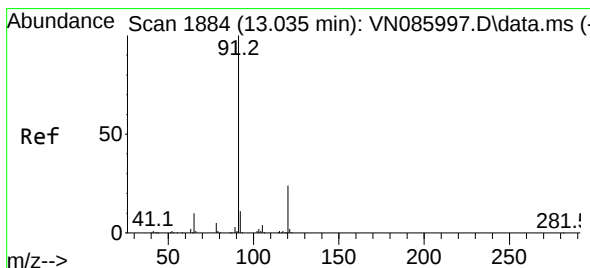
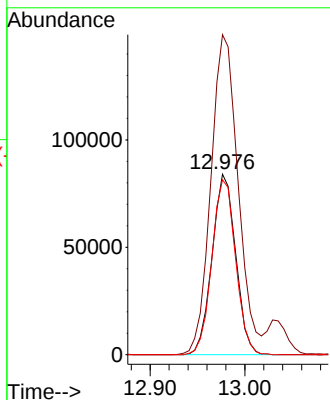
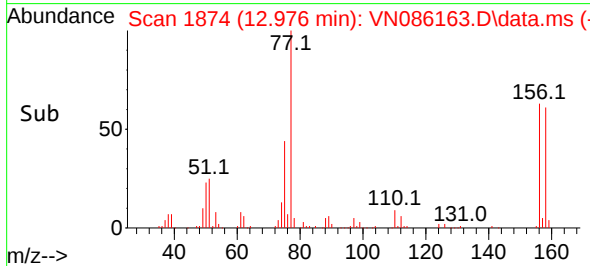
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion:156 Resp: 145420
Ion Ratio Lower Upper
156 100
77 204.4 104.1 312.3
158 97.5 49.0 147.0

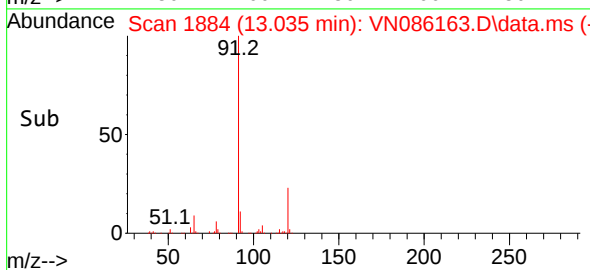
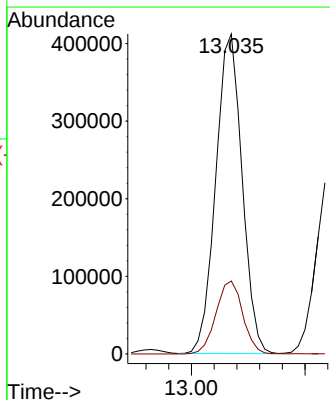
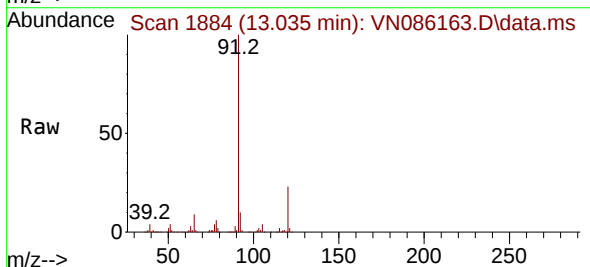
Manual Integrations
APPROVED

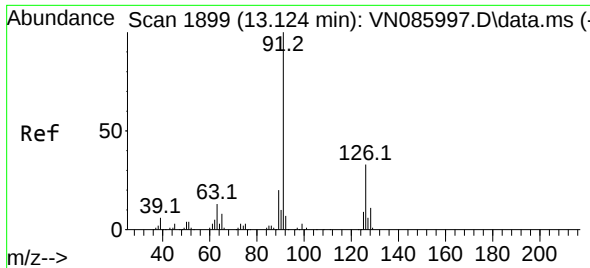
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#78
n-propylbenzene
Concen: 50.207 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion: 91 Resp: 663204
Ion Ratio Lower Upper
91 100
120 23.2 11.7 35.0





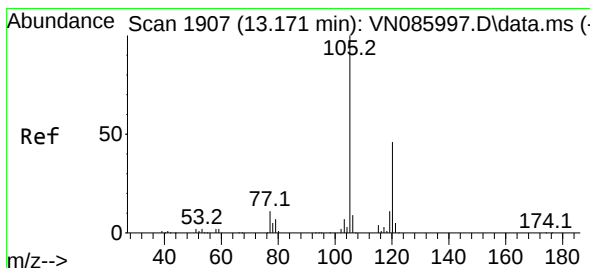
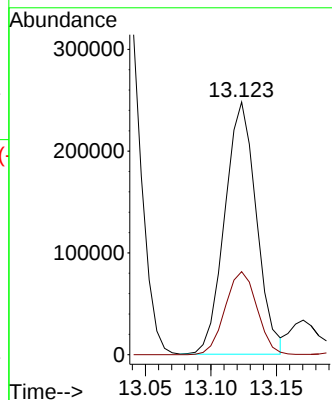
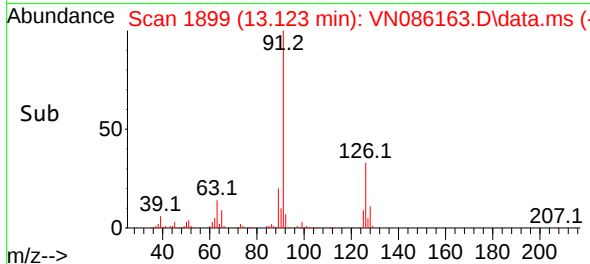
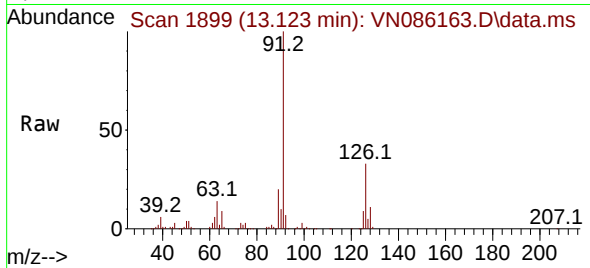
#79
2-Chlorotoluene
Concen: 47.473 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 91 Resp: 416519
Ion Ratio Lower Upper
91 100
126 33.1 16.4 49.2

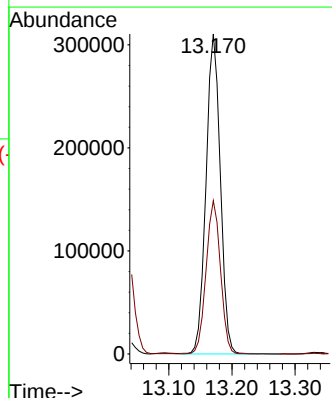
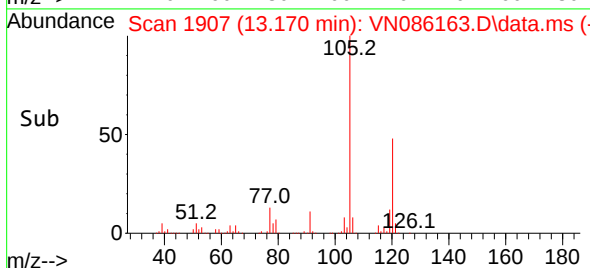
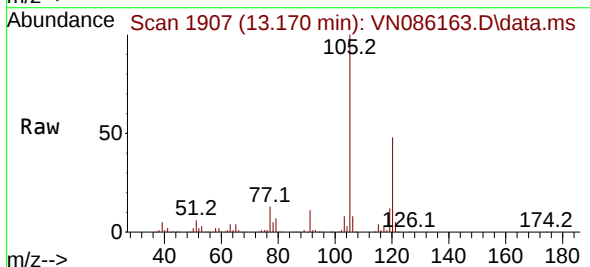
Manual Integrations
APPROVED

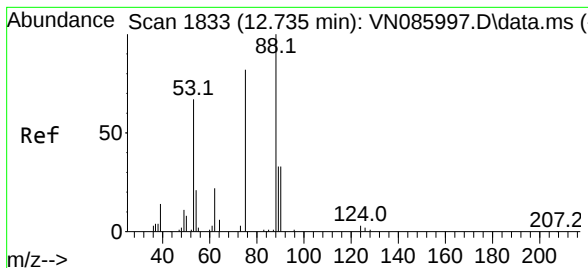
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#80
1,3,5-Trimethylbenzene
Concen: 49.521 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

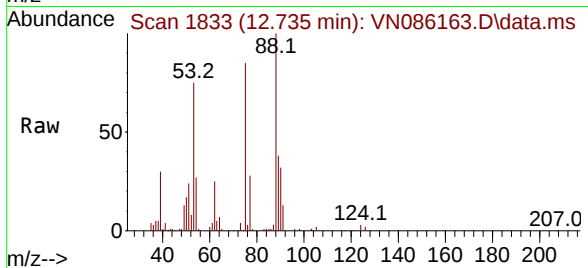
Tgt Ion:105 Resp: 487730
Ion Ratio Lower Upper
105 100
120 48.2 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 43.170 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

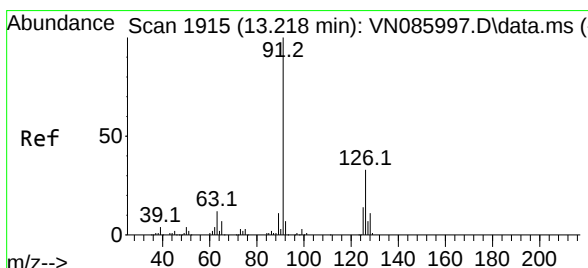
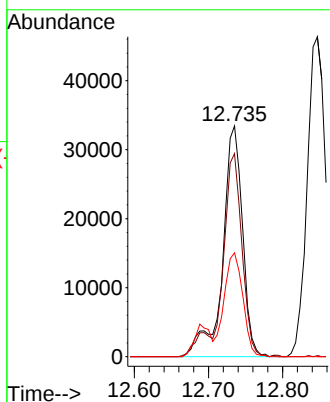
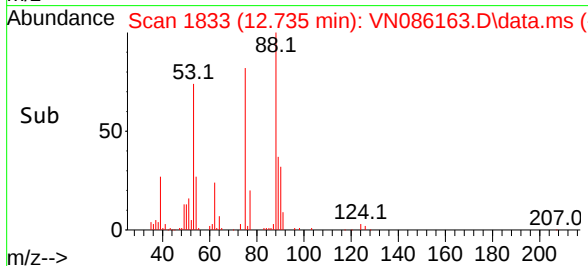
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion: 75 Resp: 62448
Ion Ratio Lower Upper
75 100
53 77.3 66.0 99.0
89 42.4 36.9 55.3

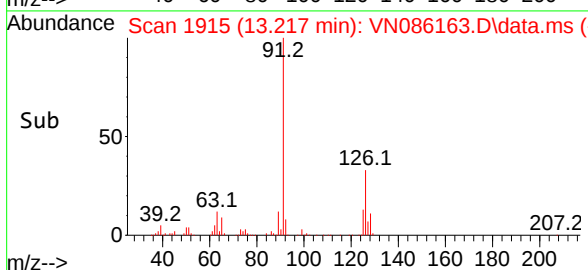
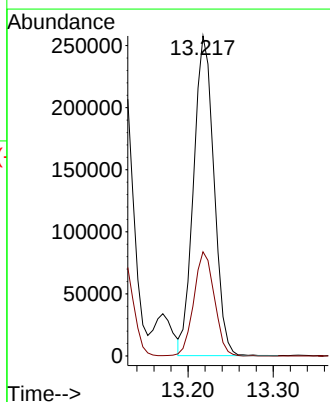
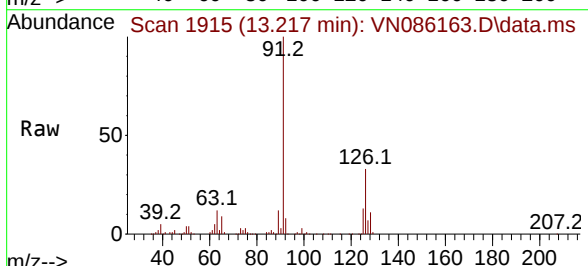
Manual Integrations
APPROVED

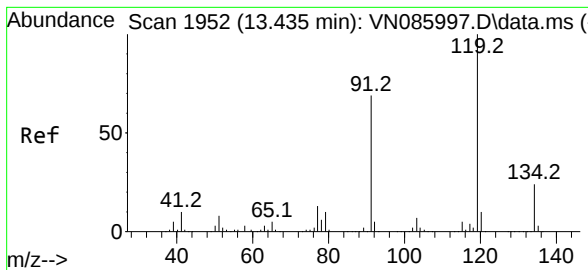
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#82
4-Chlorotoluene
Concen: 47.277 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

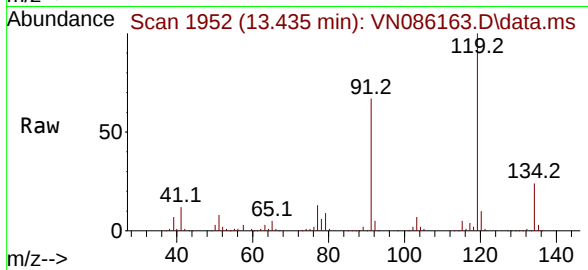
Tgt Ion: 91 Resp: 426559
Ion Ratio Lower Upper
91 100
126 32.9 16.1 48.2





#83
tert-Butylbenzene
Concen: 46.626 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

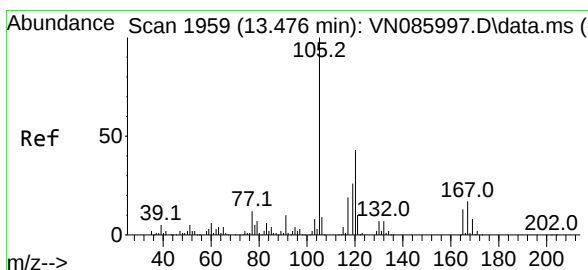
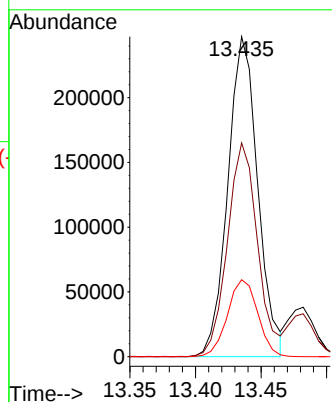
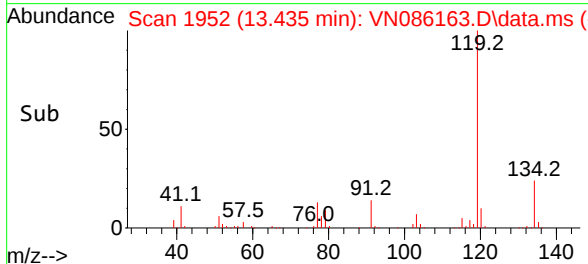
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



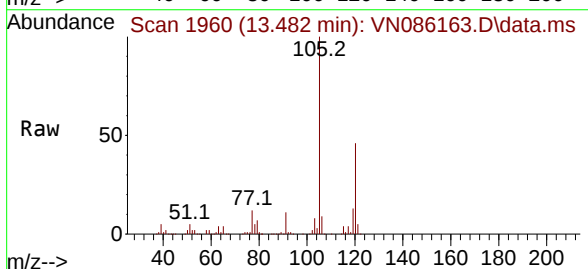
Tgt Ion:119 Resp: 392748
Ion Ratio Lower Upper
119 100
91 67.4 34.3 102.9
134 24.3 13.5 40.5

Manual Integrations
APPROVED

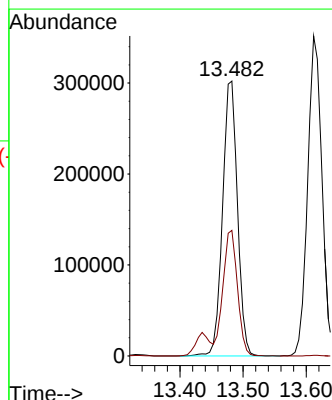
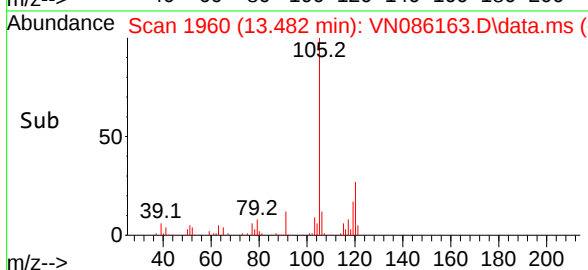
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025

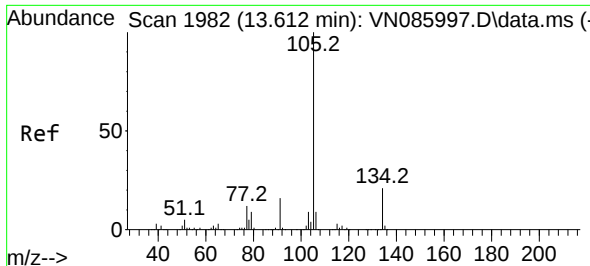


#84
1,2,4-Trimethylbenzene
Concen: 49.821 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18



Tgt Ion:105 Resp: 494906
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.8





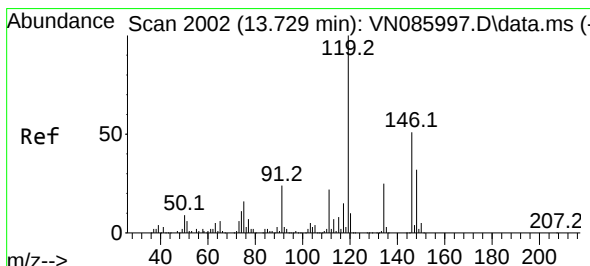
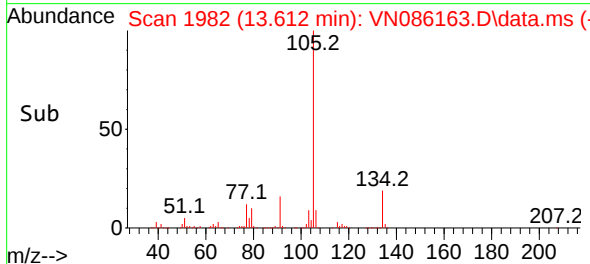
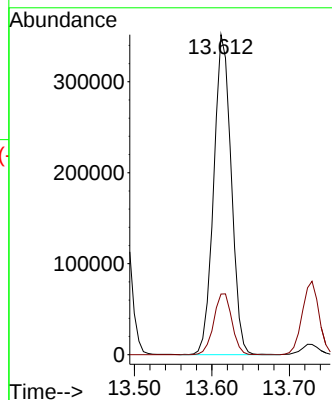
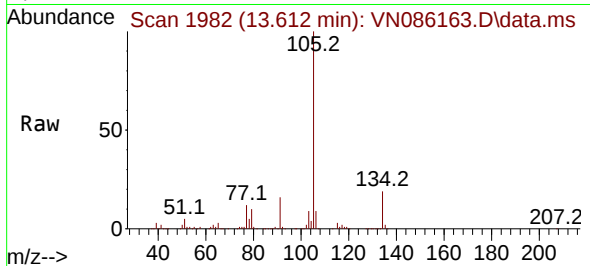
#85
 sec-Butylbenzene
 Concen: 50.251 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-01MS

Tgt Ion:105 Resp: 552190
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.1 30.1

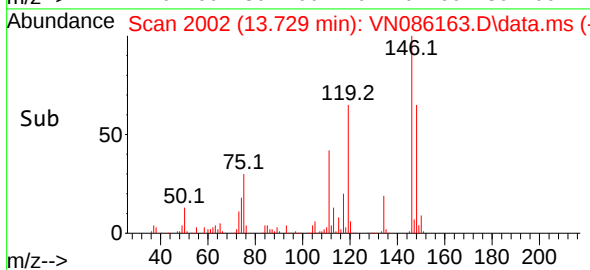
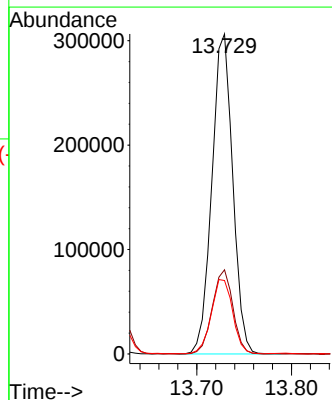
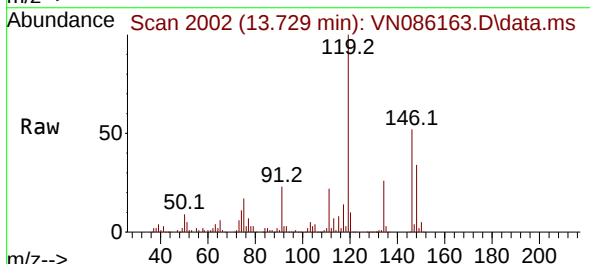
Manual Integrations
 APPROVED

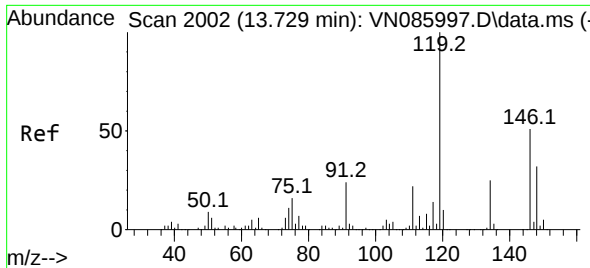
Reviewed By :John Carlone 03/31/2025
 Supervised By :Mahesh Dadoda 03/31/2025



#86
 p-Isopropyltoluene
 Concen: 50.305 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18

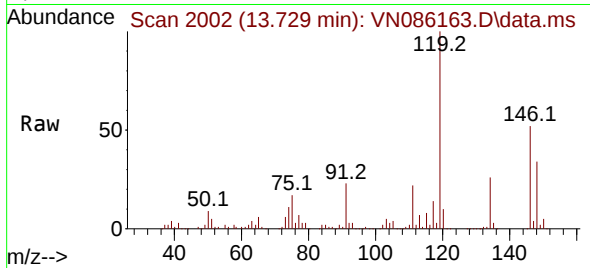
Tgt Ion:119 Resp: 467935
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.6 37.8
 91 23.8 12.3 36.8





#87
 1,3-Dichlorobenzene
 Concen: 46.463 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18

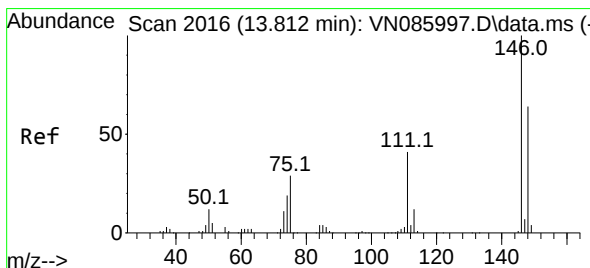
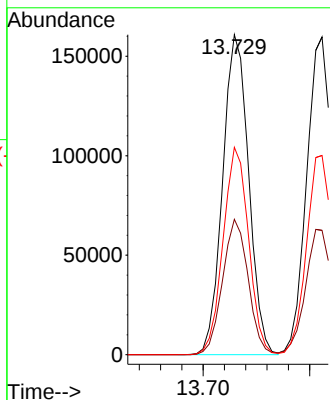
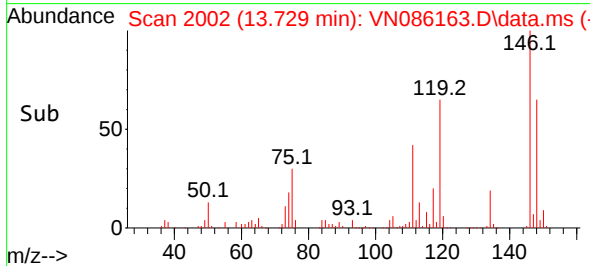
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-01MS



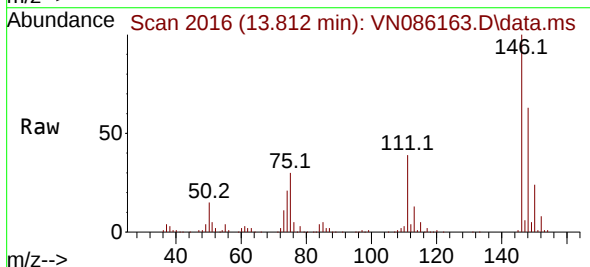
Tgt Ion:146 Resp: 272420
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.2 63.6
 148 63.6 31.8 95.4

Manual Integrations
 APPROVED

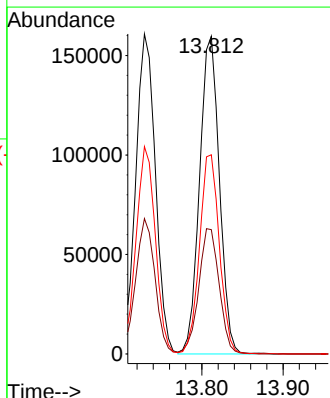
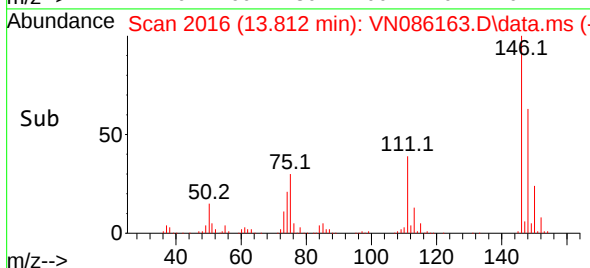
Reviewed By :John Carlone 03/31/2025
 Supervised By :Mahesh Dadoda 03/31/2025

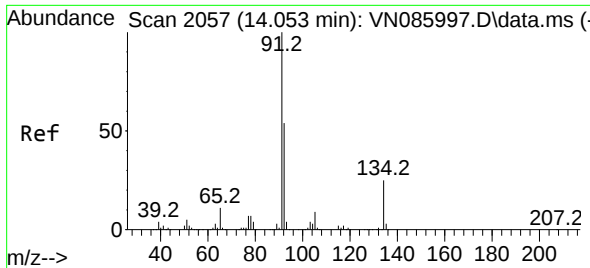


#88
 1,4-Dichlorobenzene
 Concen: 43.963 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN086163.D
 Acq: 28 Mar 2025 20:18



Tgt Ion:146 Resp: 270819
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.4 61.3
 148 63.0 32.1 96.5





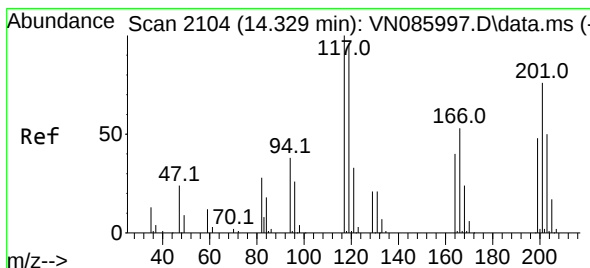
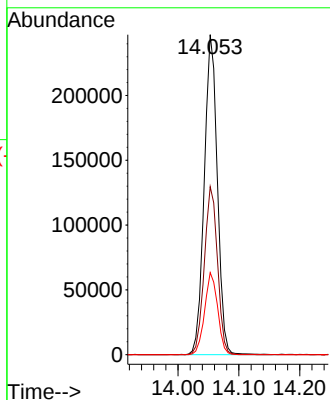
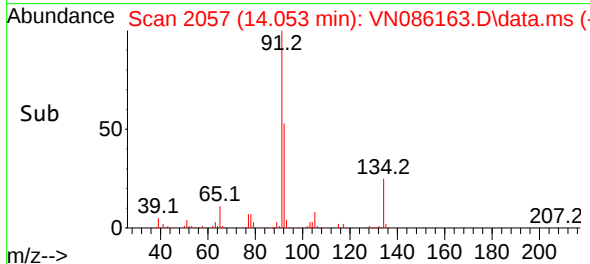
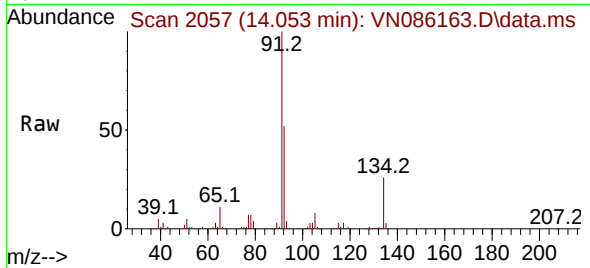
#89
n-Butylbenzene
Concen: 48.853 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 91 Resp: 370059
Ion Ratio Lower Upper
91 100
92 52.8 26.9 80.6
134 25.4 13.0 39.0

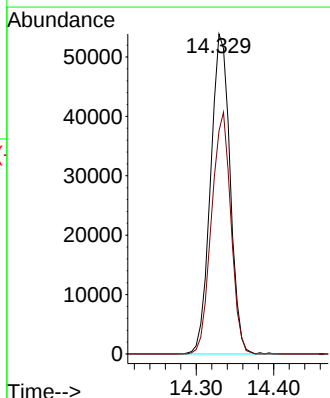
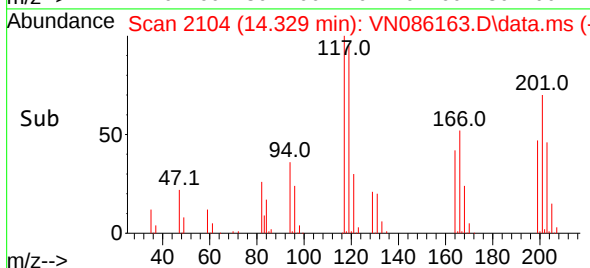
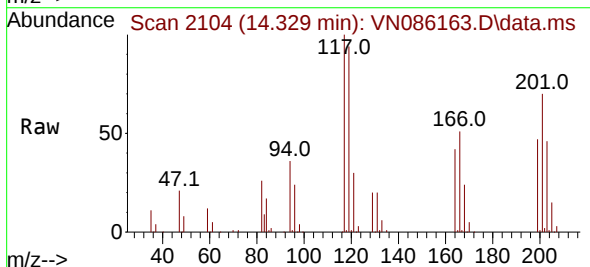
Manual Integrations
APPROVED

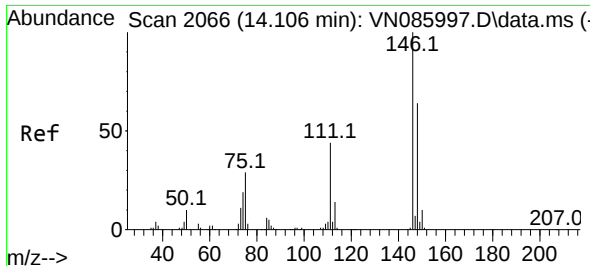
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#90
Hexachloroethane
Concen: 43.820 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion:117 Resp: 94053
Ion Ratio Lower Upper
117 100
201 74.8 39.1 117.3





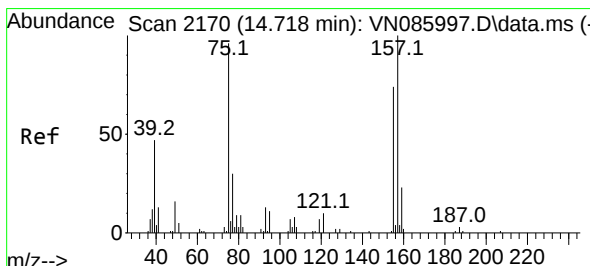
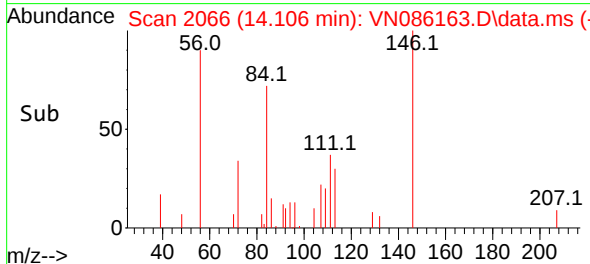
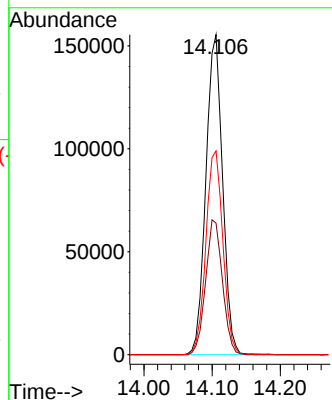
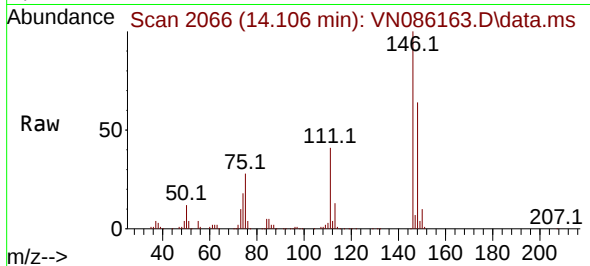
#91
1,2-Dichlorobenzene
Concen: 45.398 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:146 Resp: 264604
Ion Ratio Lower Upper
146 100
111 42.5 22.3 66.8
148 65.0 32.1 96.5

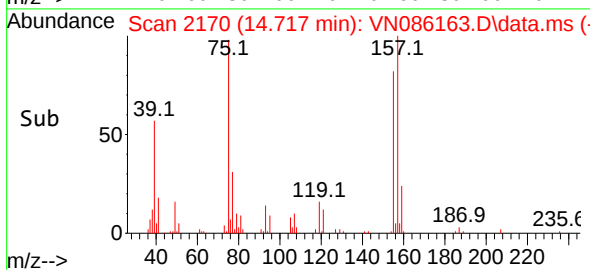
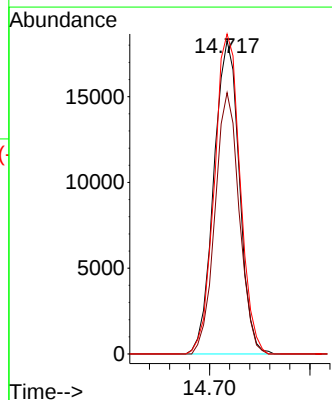
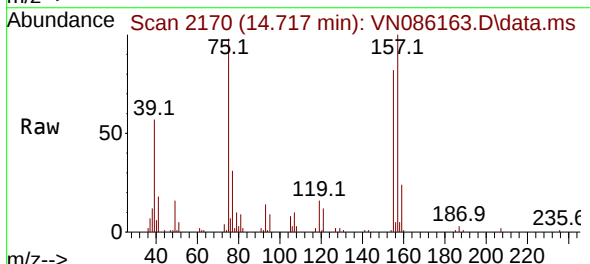
Manual Integrations
APPROVED

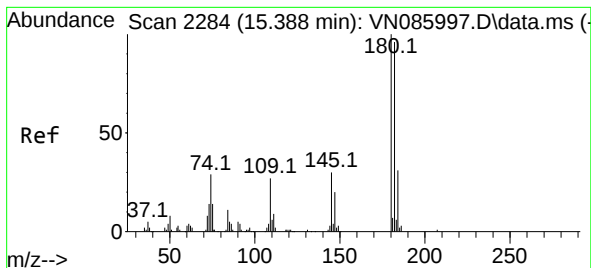
Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 40.881 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion: 75 Resp: 32206
Ion Ratio Lower Upper
75 100
155 79.4 41.0 123.0
157 102.7 53.7 161.1





#93

1,2,4-Trichlorobenzene

Concen: 42.343 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086163.D

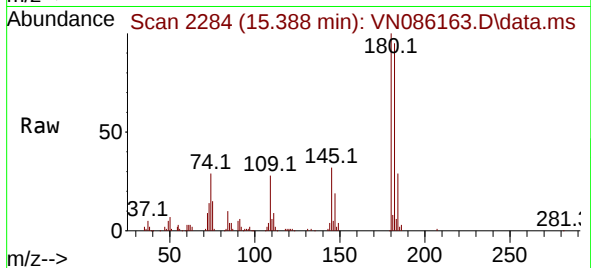
Acq: 28 Mar 2025 20:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01MS



Tgt Ion:180 Resp: 124095

Ion Ratio Lower Upper

180 100

182 95.4 47.0 141.0

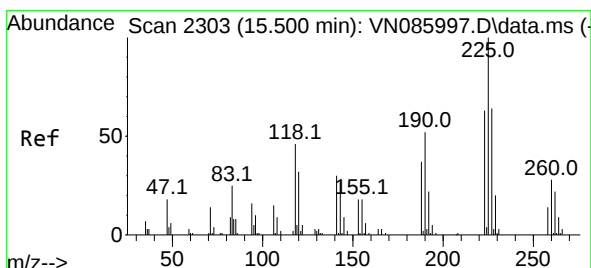
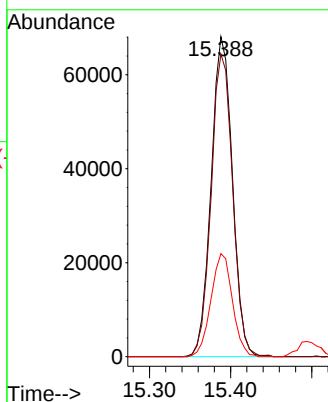
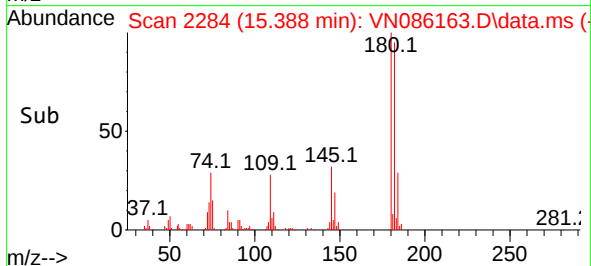
145 32.5 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2025

Supervised By :Mahesh Dadoda 03/31/2025



#94

Hexachlorobutadiene

Concen: 37.800 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN086163.D

Acq: 28 Mar 2025 20:18

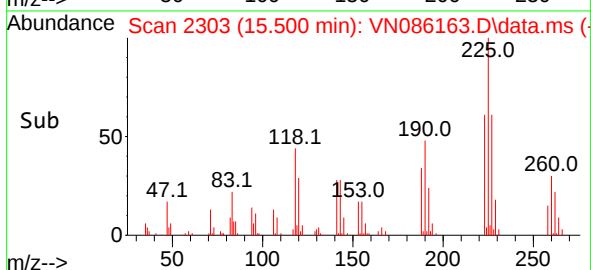
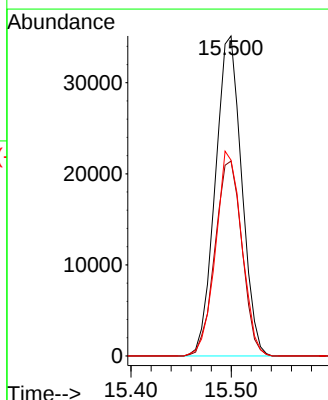
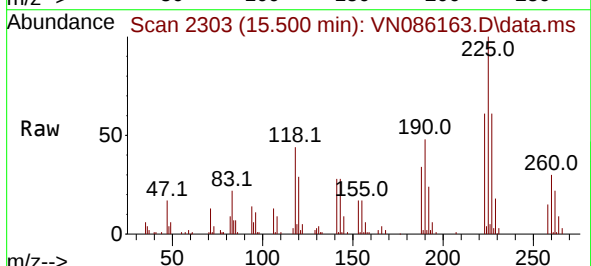
Tgt Ion:225 Resp: 64271

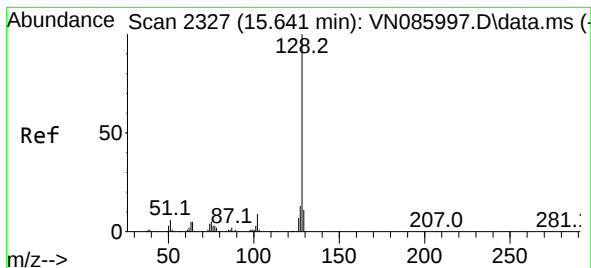
Ion Ratio Lower Upper

225 100

223 62.2 31.3 93.9

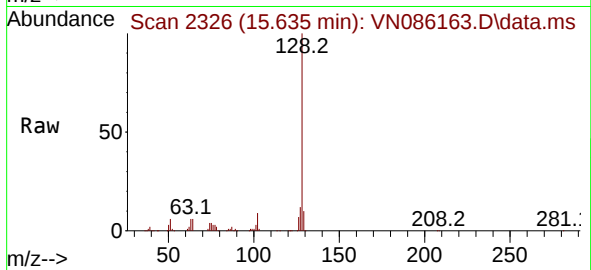
227 63.2 32.1 96.3





#95
Naphthalene
Concen: 42.128 ug/l
RT: 15.635 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

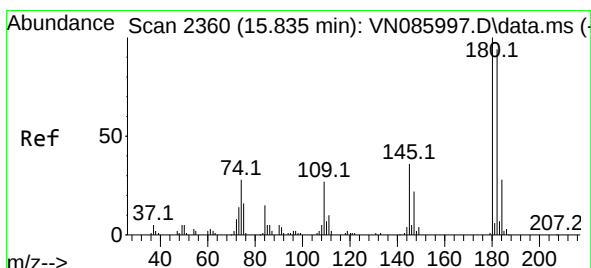
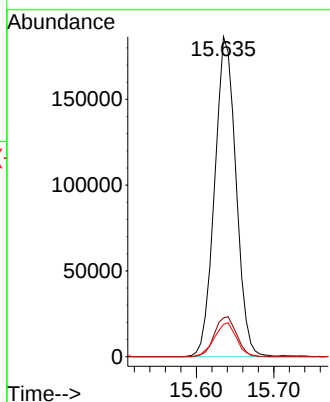
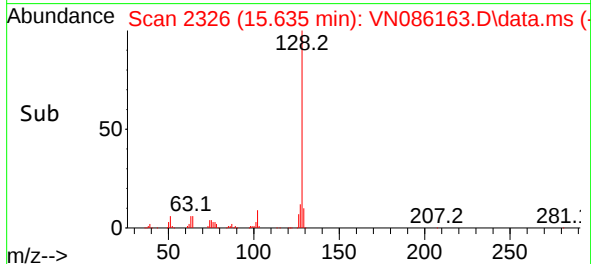
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01MS



Tgt Ion:128 Resp: 35750
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.8 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/31/2025
Supervised By :Mahesh Dadoda 03/31/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.061 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086163.D
Acq: 28 Mar 2025 20:18

Tgt Ion:180 Resp: 122528
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.5
145 33.4 17.7 53.1

