

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080540.D
 Acq On : 20 Dec 2023 12:18
 Operator : JC\MD
 Sample : VN1220WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 02:39:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	283842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	452687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	378365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	180137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	211733	58.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.800%			
35) Dibromofluoromethane	8.165	113	167576	58.385	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.760%			
50) Toluene-d8	10.565	98	604911	56.510	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.020%#			
62) 4-Bromofluorobenzene	12.847	95	214660	52.810	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	64354	17.742	ug/l	98
3) Chloromethane	2.359	50	58285	15.074	ug/l	98
4) Vinyl Chloride	2.512	62	47836	15.442	ug/l	91
5) Bromomethane	2.953	94	25184	18.032	ug/l	99
6) Chloroethane	3.118	64	31697	15.924	ug/l	92
7) Trichlorofluoromethane	3.495	101	109778	17.472	ug/l	97
8) Diethyl Ether	3.959	74	35058	17.715	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	54674	18.359	ug/l	95
10) Methyl Iodide	4.589	142	39104	14.929	ug/l	94
11) Tert butyl alcohol	5.500	59	40643	95.191	ug/l	99
12) 1,1-Dichloroethene	4.336	96	52099	17.074	ug/l	88
13) Acrolein	4.177	56	51086	109.256	ug/l	97
14) Allyl chloride	5.018	41	62553	16.569	ug/l	96
15) Acrylonitrile	5.712	53	114744	95.112	ug/l	99
16) Acetone	4.418	43	100502	156.348	ug/l	92
17) Carbon Disulfide	4.706	76	134353	15.536	ug/l	98
18) Methyl Acetate	5.018	43	85343	20.634	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	180975	17.777	ug/l	100
20) Methylene Chloride	5.271	84	60269	17.520	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	54920	16.599	ug/l #	81
22) Diisopropyl ether	6.665	45	150774	18.504	ug/l	95
23) Vinyl Acetate	6.600	43	398400	85.132	ug/l	96
24) 1,1-Dichloroethane	6.565	63	101970	17.937	ug/l	98
25) 2-Butanone	7.477	43	137380	110.941	ug/l	96
26) 2,2-Dichloropropane	7.488	77	101967	17.541	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	69194	18.476	ug/l	92
28) Bromochloromethane	7.812	49	45440	20.818	ug/l	94
29) Tetrahydrofuran	7.841	42	84908	95.753	ug/l	93
30) Chloroform	7.965	83	118505	18.779	ug/l	99
31) Cyclohexane	8.259	56	84368	17.113	ug/l	89
32) 1,1,1-Trichloroethane	8.165	97	113895	18.434	ug/l	95
36) 1,1-Dichloropropene	8.371	75	81228	17.308	ug/l	95
37) Ethyl Acetate	7.559	43	55059	18.735	ug/l	96
38) Carbon Tetrachloride	8.359	117	96495	17.208	ug/l	100
39) Methylcyclohexane	9.600	83	75012	15.386	ug/l #	89
40) Benzene	8.606	78	239014	17.637	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	31880	18.817	ug/l	93
42) 1,2-Dichloroethane	8.671	62	93702	18.672	ug/l	98
43) Isopropyl Acetate	8.682	43	94328	17.852	ug/l	97
44) Trichloroethene	9.353	130	63327	17.334	ug/l	100
45) 1,2-Dichloropropane	9.618	63	56375	17.712	ug/l	93
46) Dibromomethane	9.706	93	42001	18.375	ug/l	93
47) Bromodichloromethane	9.888	83	88599	18.086	ug/l	96
48) Methyl methacrylate	9.677	41	53966	17.114	ug/l	93
49) 1,4-Dioxane	9.688	88	17045	356.630	ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	283152	97.300	ug/l	100
52) Toluene	10.629	92	154319	18.026	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	93649	17.669	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	102633	18.116	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	58473	18.982	ug/l	91
56) Ethyl methacrylate	10.876	69	61127	17.923	ug/l #	91
57) 1,3-Dichloropropane	11.165	76	95215	17.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	192681	89.492	ug/l	97
59) 2-Hexanone	11.194	43	195393	90.949	ug/l	100
60) Dibromochloromethane	11.359	129	66057	18.097	ug/l	99
61) 1,2-Dibromoethane	11.471	107	56182	17.622	ug/l	96
64) Tetrachloroethene	11.106	164	50574	17.312	ug/l	97
65) Chlorobenzene	11.894	112	152657	18.137	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	62742	18.998	ug/l	95
67) Ethyl Benzene	11.965	91	275393	17.794	ug/l	96
68) m/p-Xylenes	12.070	106	212247	37.113	ug/l	92
69) o-Xylene	12.400	106	102495	18.323	ug/l	91
70) Styrene	12.412	104	152729	18.955	ug/l	95
71) Bromoform	12.576	173	45074	18.715	ug/l #	99
73) Isopropylbenzene	12.694	105	265597	18.354	ug/l	98
74) N-amyl acetate	12.494	43	75265	17.811	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	75960	19.589	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	70519m	19.623	ug/l	
77) Bromobenzene	12.976	156	64332	18.072	ug/l	99
78) n-propylbenzene	13.035	91	302163	18.938	ug/l	97
79) 2-Chlorotoluene	13.123	91	195472	18.766	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	226448	18.170	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	24745	18.079	ug/l	88
82) 4-Chlorotoluene	13.223	91	192975	18.024	ug/l	98
83) tert-Butylbenzene	13.441	119	187619	18.382	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	231709	18.688	ug/l	99
85) sec-Butylbenzene	13.617	105	238216	18.245	ug/l	99
86) p-Isopropyltoluene	13.729	119	213225	18.087	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	114725	18.292	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	113175	17.876	ug/l	96
89) n-Butylbenzene	14.059	91	171882	17.459	ug/l	99
90) Hexachloroethane	14.335	117	34124	18.226	ug/l	72
91) 1,2-Dichlorobenzene	14.106	146	109770	18.431	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15733	19.289	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	58303	17.632	ug/l	95
94) Hexachlorobutadiene	15.500	225	30183	16.033	ug/l	96
95) Naphthalene	15.641	128	177968	17.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	57782	18.108	ug/l	99

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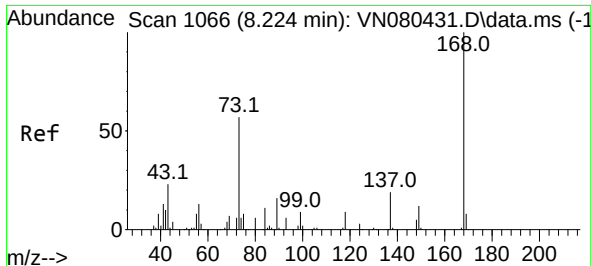
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

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



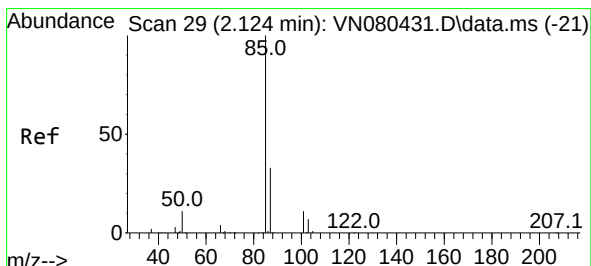
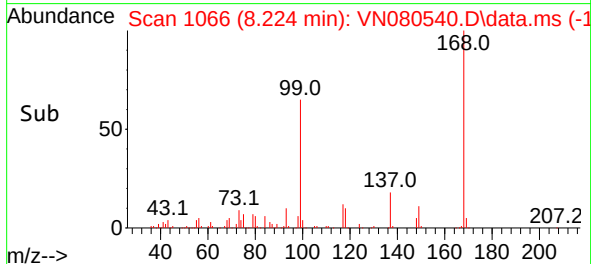
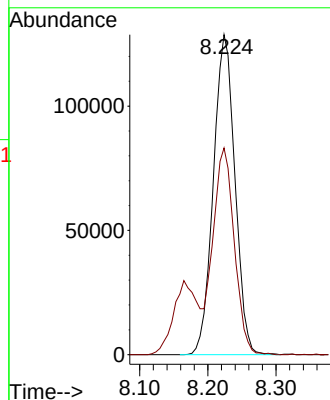
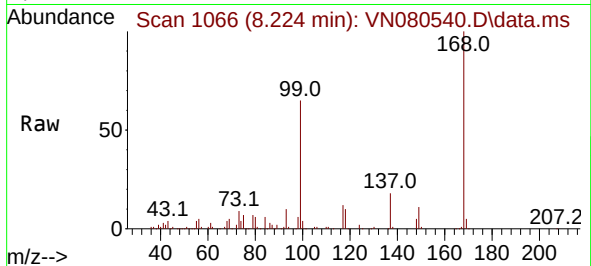
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080540.D
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Tgt Ion:168 Resp: 28384
Ion Ratio Lower Upper
168 100
99 64.6 53.0 79.6

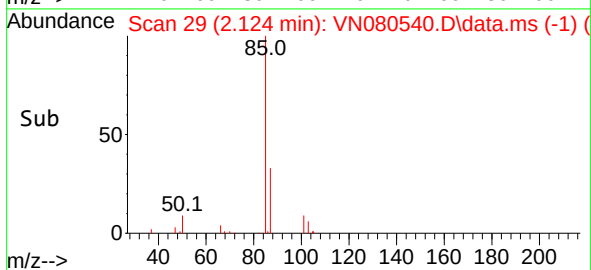
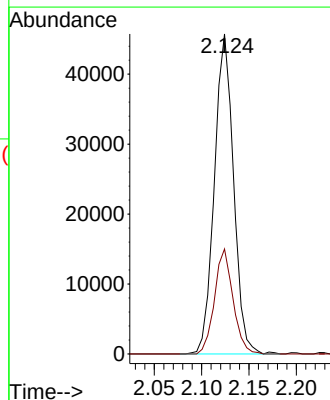
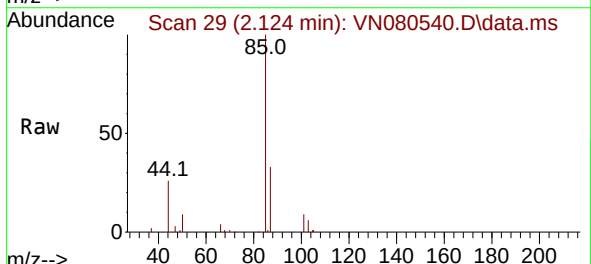
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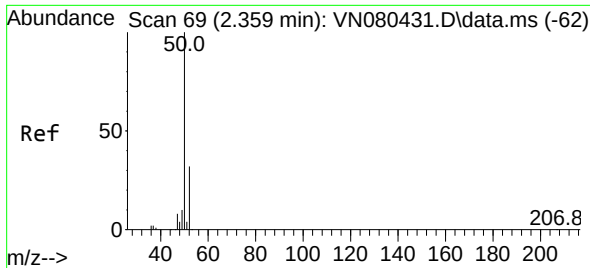
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#2
Dichlorodifluoromethane
Concen: 17.742 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

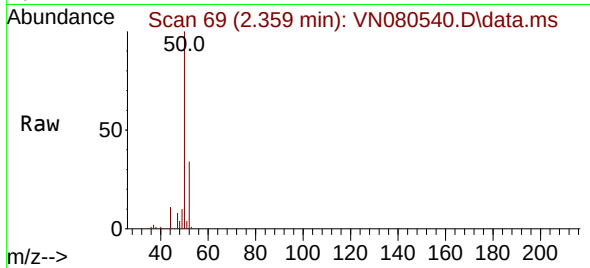
Tgt Ion: 85 Resp: 64354
Ion Ratio Lower Upper
85 100
87 32.8 15.8 47.4





#3
Chloromethane
Concen: 15.074 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

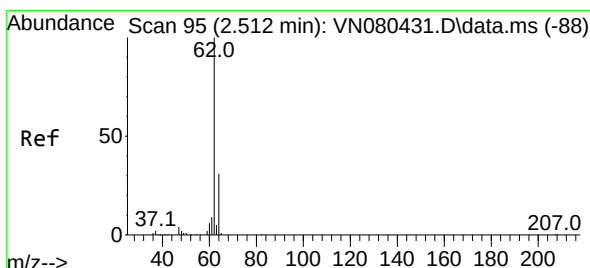
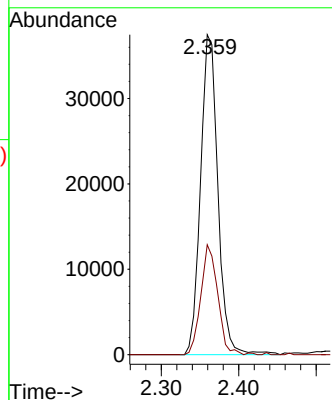
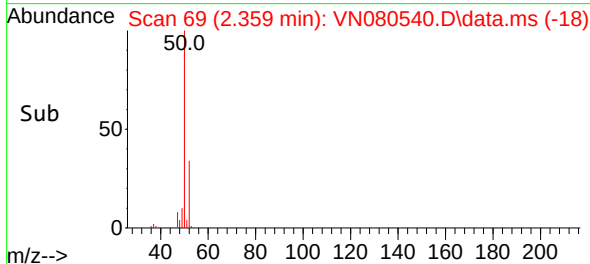
Instrument :
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Tgt Ion: 50 Resp: 5828
Ion Ratio Lower Upper
50 100
52 34.4 26.5 39.7

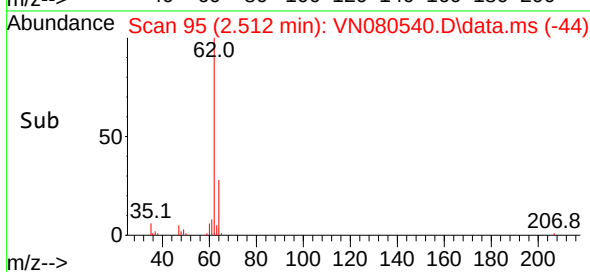
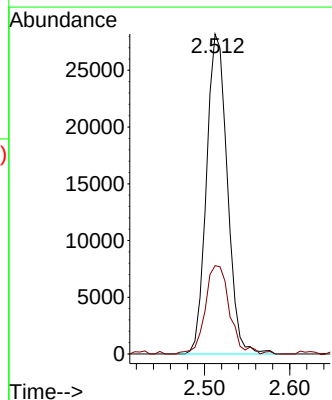
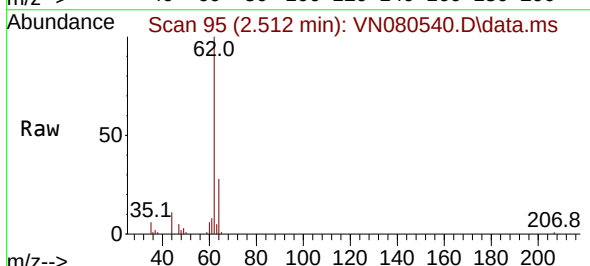
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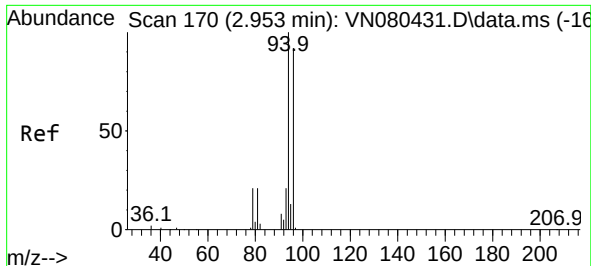
Reviewed By :John Carlone 12/21/2023
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#4
Vinyl Chloride
Concen: 15.442 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN080540.D
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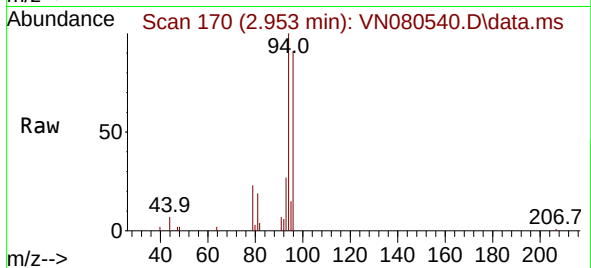
Tgt Ion: 62 Resp: 47836
Ion Ratio Lower Upper
62 100
64 27.6 26.2 39.2





#5
Bromomethane
Concen: 18.032 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080540.D
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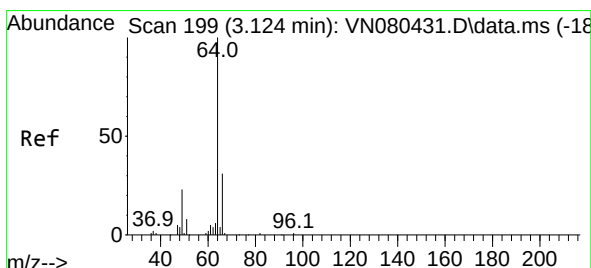
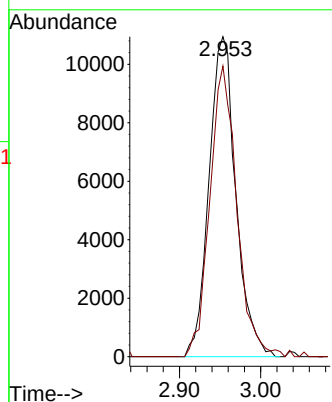
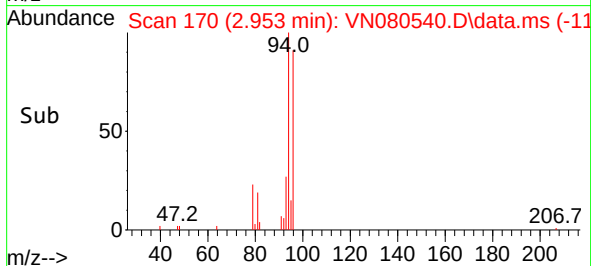
Instrument :
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Tgt Ion: 94 Resp: 25184
Ion Ratio Lower Upper
94 100
96 90.8 73.1 109.7

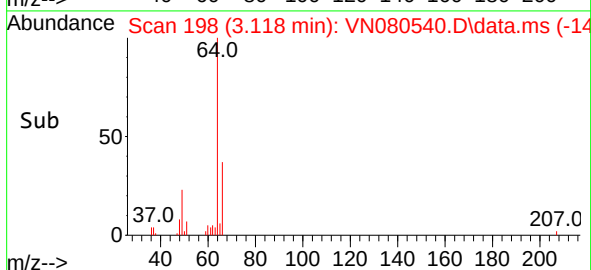
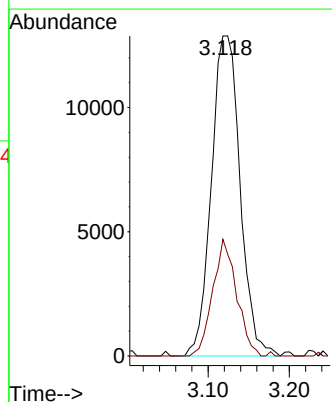
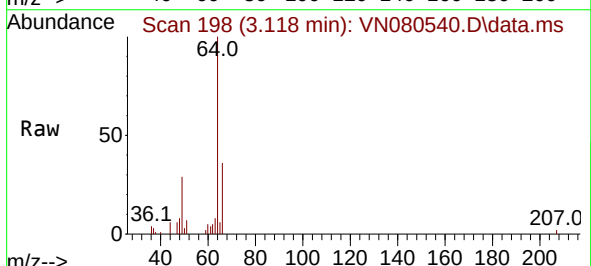
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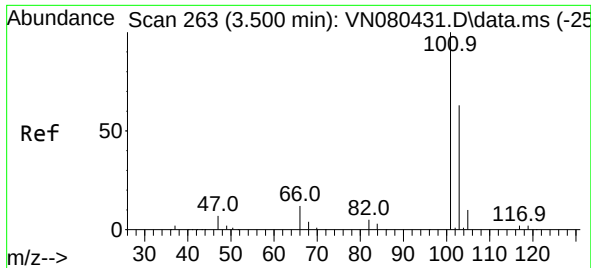
Reviewed By :John Carlone 12/21/2023
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#6
Chloroethane
Concen: 15.924 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Tgt Ion: 64 Resp: 31697
Ion Ratio Lower Upper
64 100
66 36.5 25.4 38.2





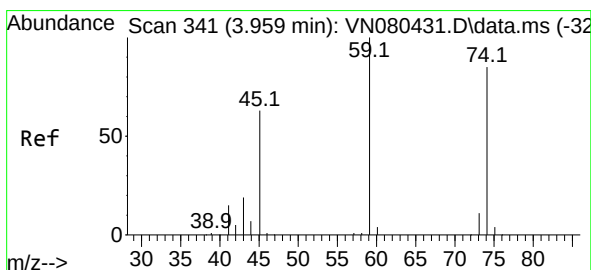
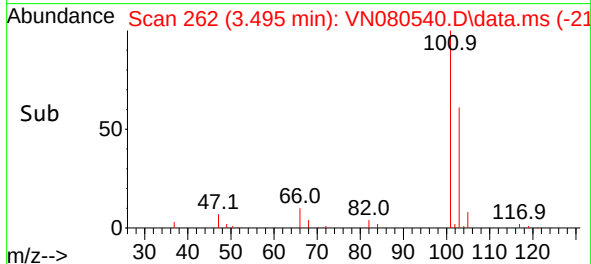
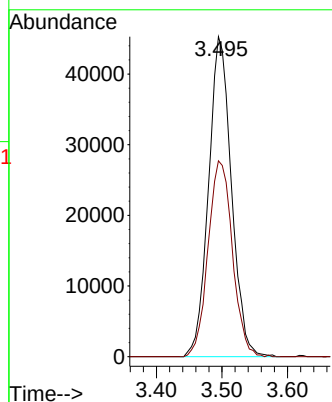
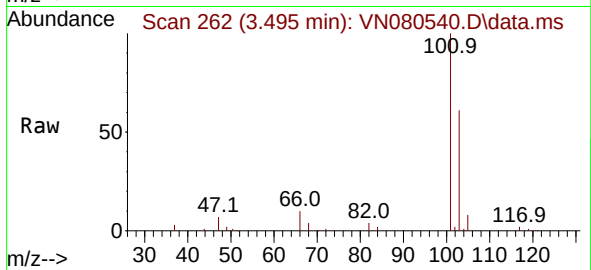
#7
 Trichlorofluoromethane
 Concen: 17.472 ug/l
 RT: 3.495 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

Instrument :
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Tgt Ion:101 Resp: 109778
 Ion Ratio Lower Upper
 101 100
 103 61.2 50.7 76.1

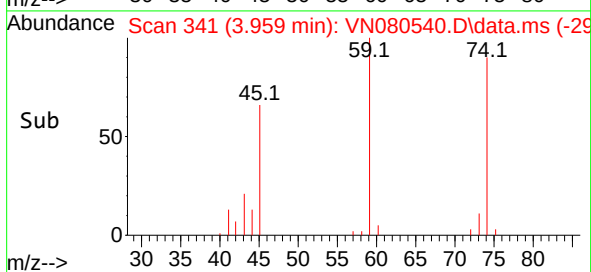
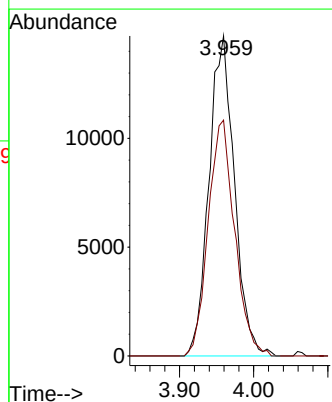
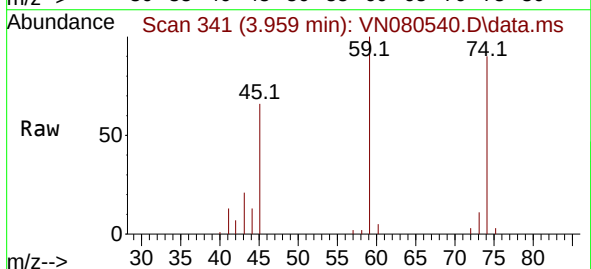
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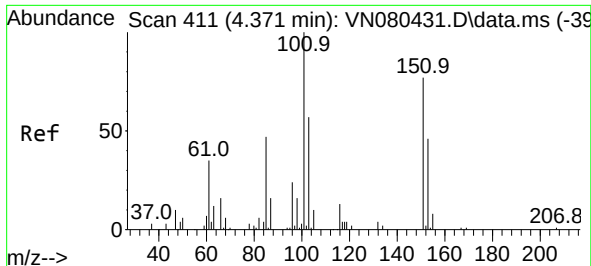
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#8
 Diethyl Ether
 Concen: 17.715 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN080540.D
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Tgt Ion: 74 Resp: 35058
 Ion Ratio Lower Upper
 74 100
 45 76.6 34.4 103.3





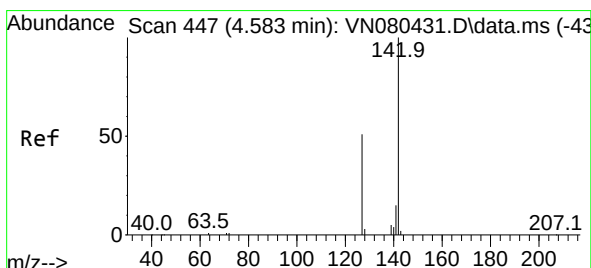
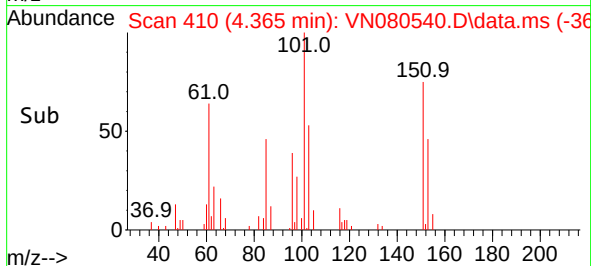
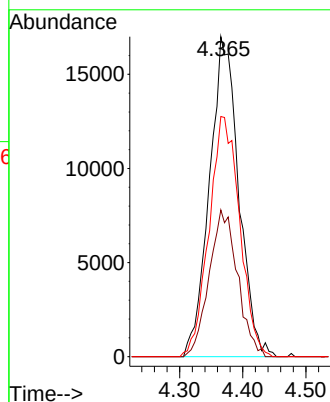
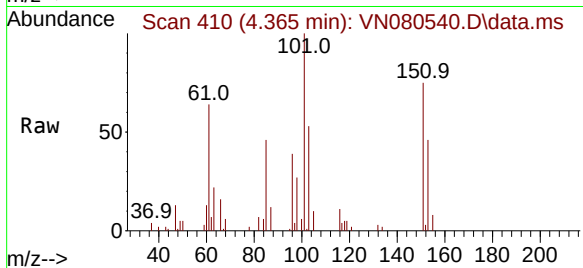
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1,1,2-Trichlorotrifluoroethane
Concen: 18.359 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN080540.D
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ClientSampleId :
VN1220WBS01

Tgt Ion:101 Resp: 54674
Ion Ratio Lower Upper
101 100
85 44.6 36.6 55.0
151 78.5 57.6 86.4

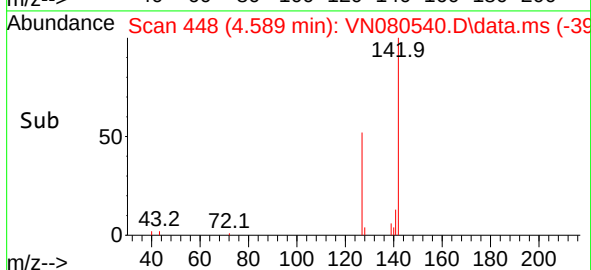
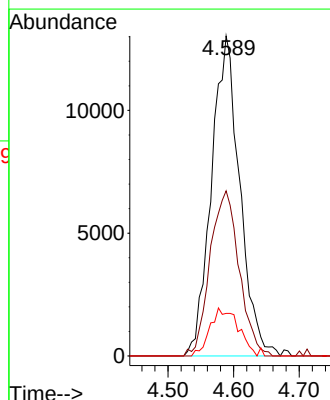
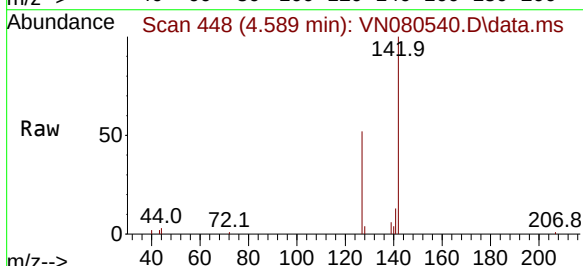
Manual Integrations
APPROVED

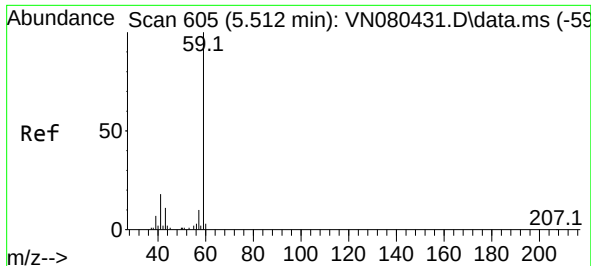
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#10
Methyl Iodide
Concen: 14.929 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Tgt Ion:142 Resp: 39104
Ion Ratio Lower Upper
142 100
127 51.6 37.6 56.4
141 13.3 11.4 17.0





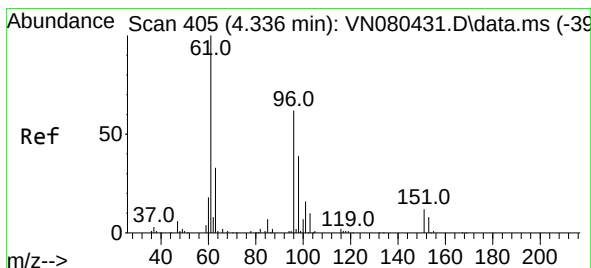
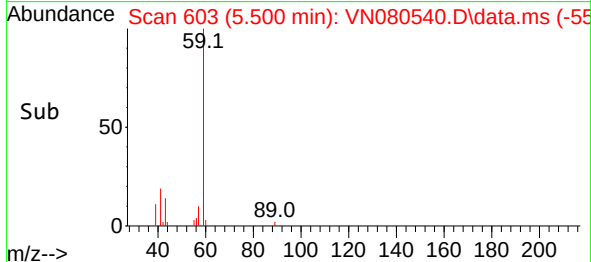
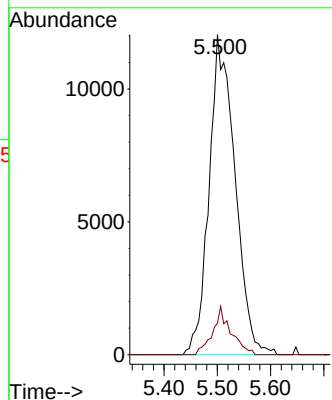
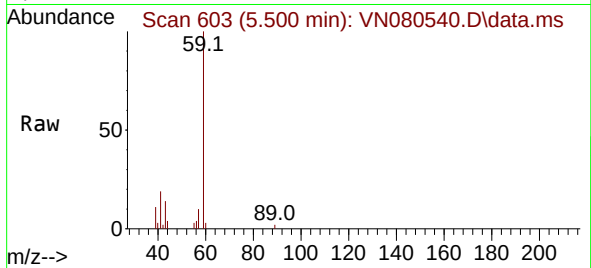
#11
Tert butyl alcohol
Concen: 95.191 ug/l
RT: 5.500 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 59 Resp: 4064
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

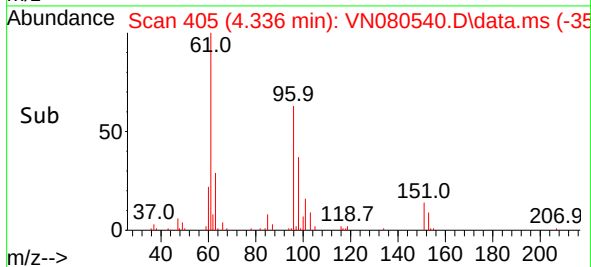
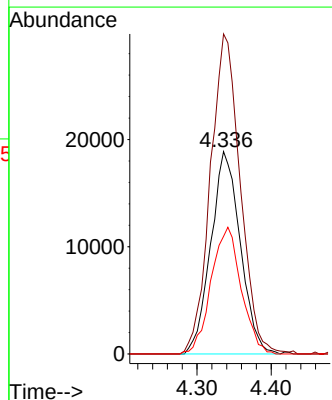
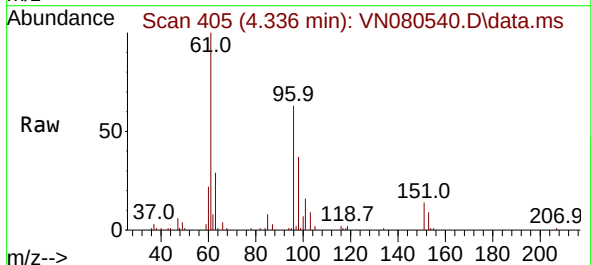
Manual Integrations
APPROVED

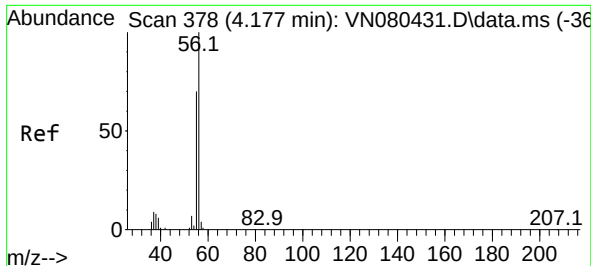
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#12
1,1-Dichloroethene
Concen: 17.074 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

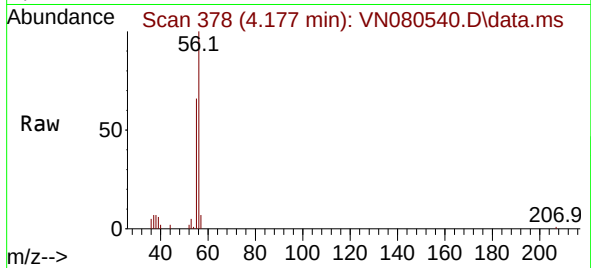
Tgt Ion: 96 Resp: 52099
Ion Ratio Lower Upper
96 100
61 158.1 112.7 169.1
98 58.1 51.2 76.8





#13
Acrolein
Concen: 109.256 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

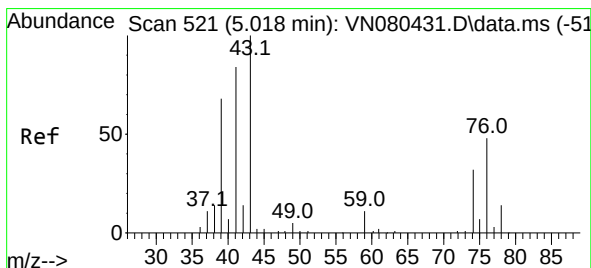
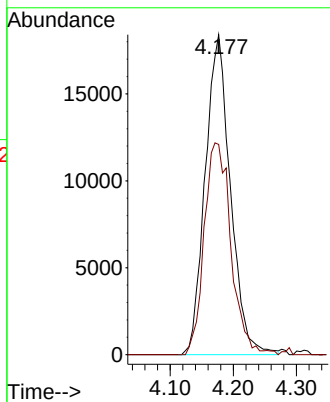
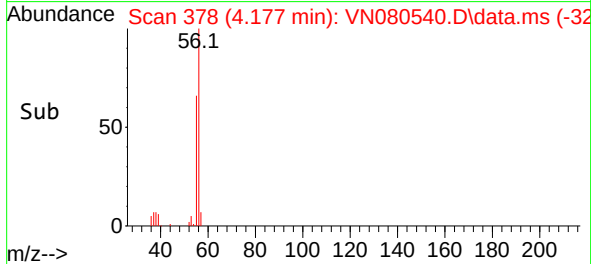
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



Tgt Ion: 56 Resp: 51080
Ion Ratio Lower Upper
56 100
55 70.1 54.5 81.7

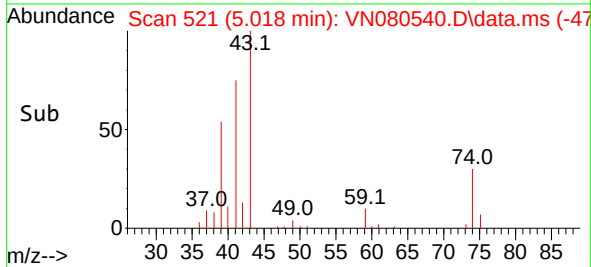
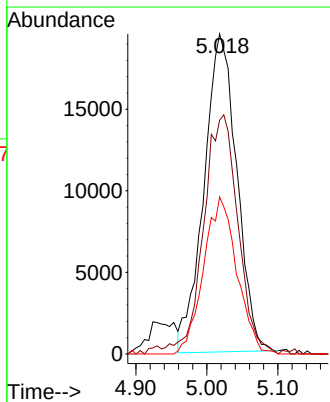
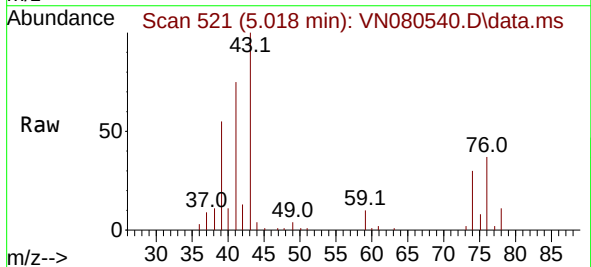
Manual Integrations
APPROVED

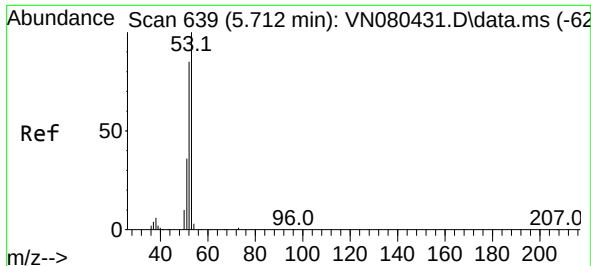
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#14
Allyl chloride
Concen: 16.569 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

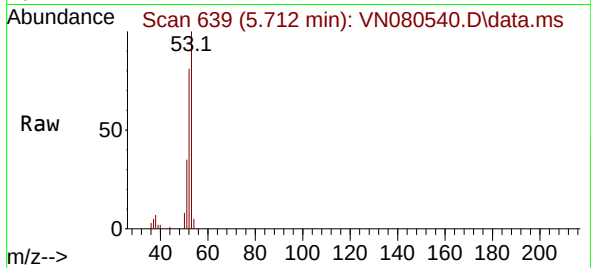
Tgt Ion: 41 Resp: 62553
Ion Ratio Lower Upper
41 100
39 78.8 58.8 88.2
76 50.1 39.1 58.7





#15
Acrylonitrile
Concen: 95.112 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

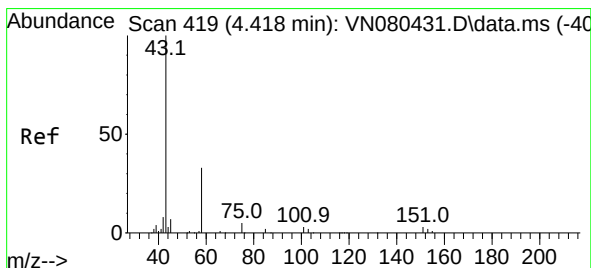
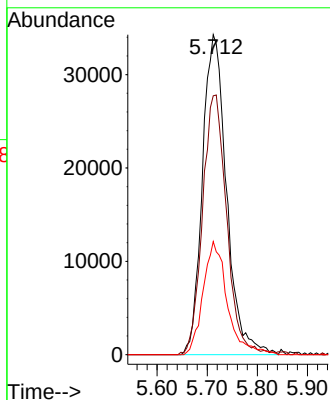
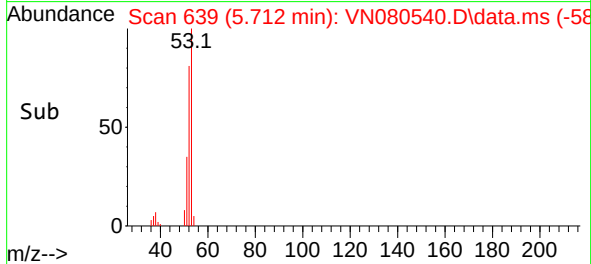
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



Tgt Ion: 53 Resp: 114744
Ion Ratio Lower Upper
53 100
52 81.1 65.3 97.9
51 35.5 28.9 43.3

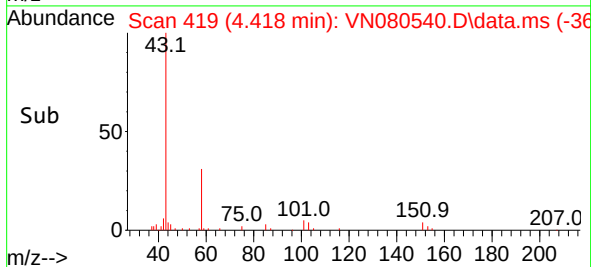
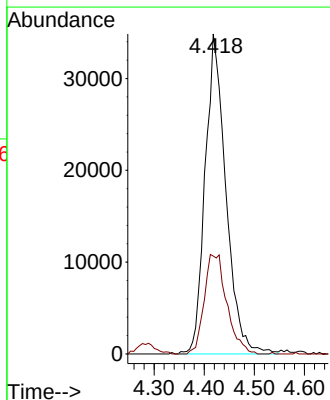
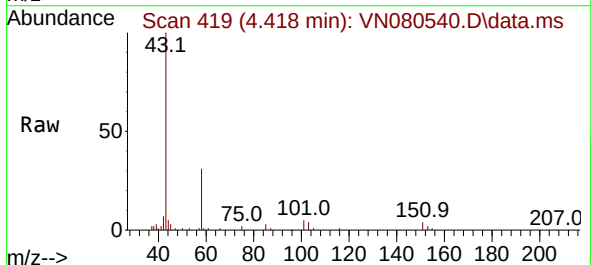
Manual Integrations
APPROVED

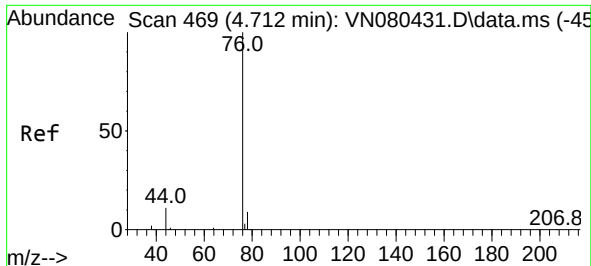
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#16
Acetone
Concen: 156.348 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Tgt Ion: 43 Resp: 100502
Ion Ratio Lower Upper
43 100
58 30.6 28.0 42.0





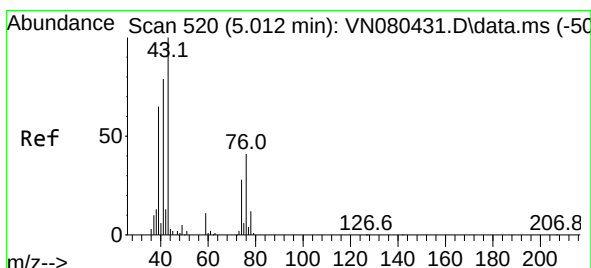
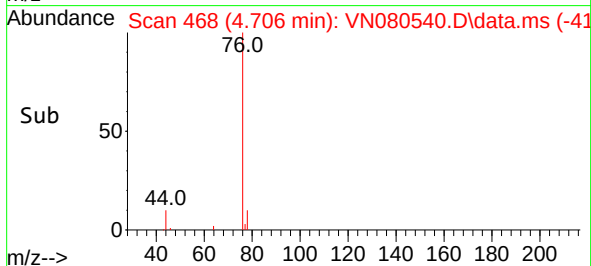
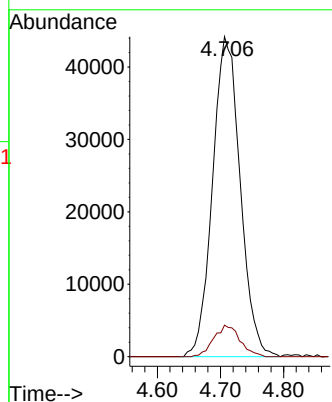
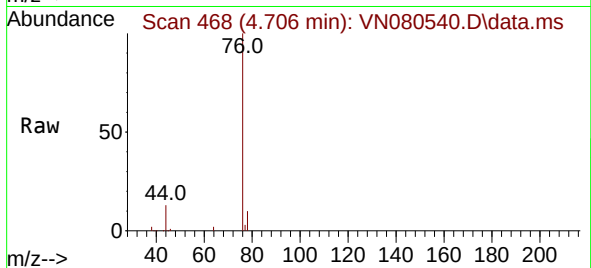
#17
Carbon Disulfide
Concen: 15.536 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 76 Resp: 13435
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0

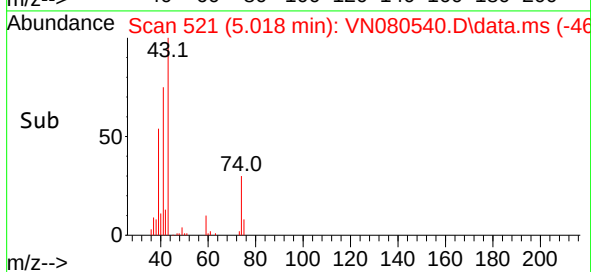
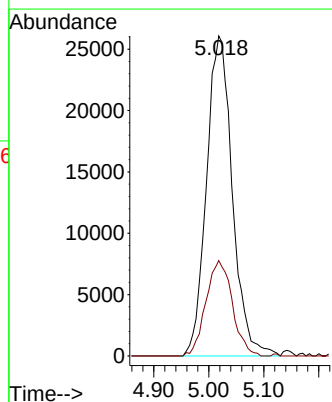
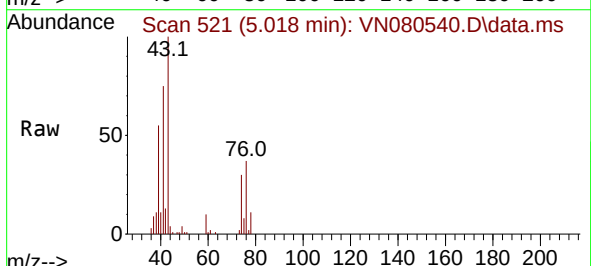
Manual Integrations
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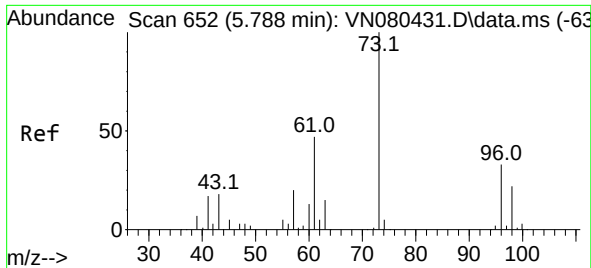
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#18
Methyl Acetate
Concen: 20.634 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Tgt Ion: 43 Resp: 85343
Ion Ratio Lower Upper
43 100
74 30.3 26.2 39.4





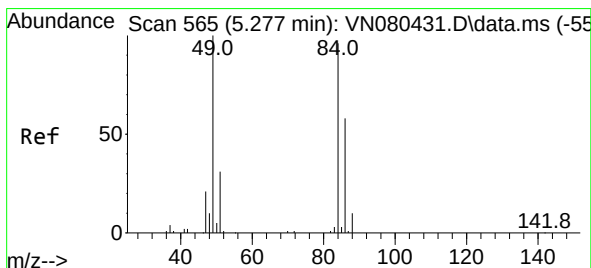
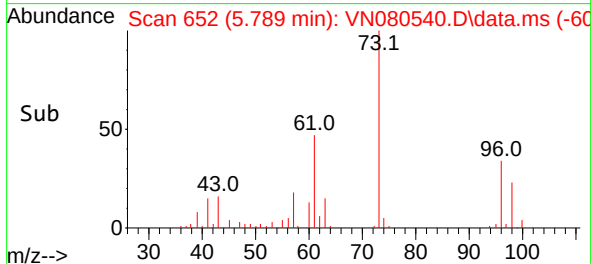
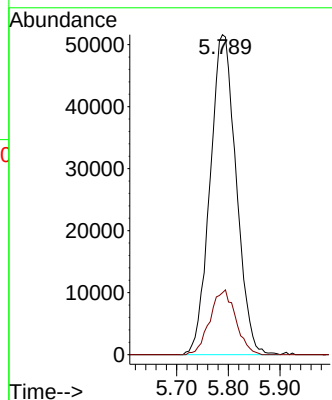
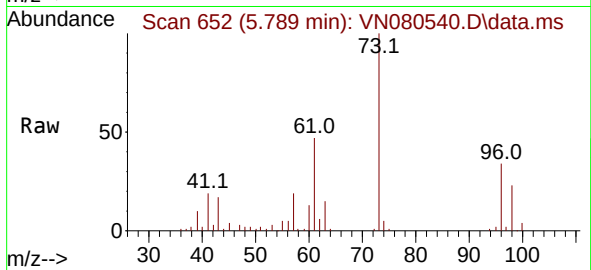
#19
Methyl tert-butyl Ether
Concen: 17.777 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 73 Resp: 18097
Ion Ratio Lower Upper
73 100
57 19.4 15.6 23.4

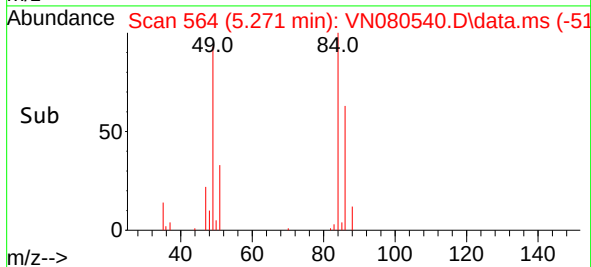
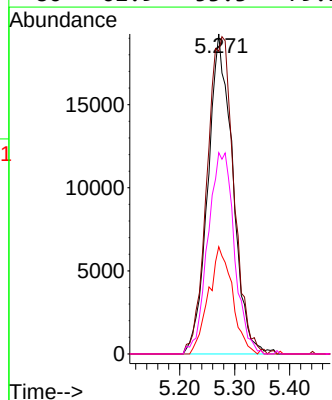
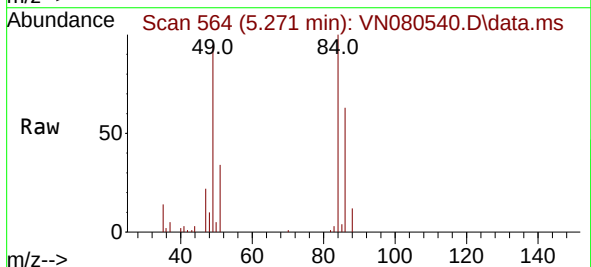
Manual Integrations
APPROVED

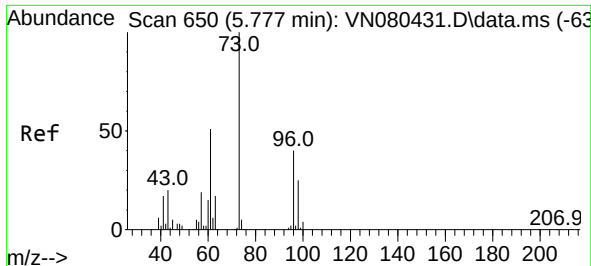
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#20
Methylene Chloride
Concen: 17.520 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Tgt Ion: 84 Resp: 60269
Ion Ratio Lower Upper
84 100
49 94.6 79.7 119.5
51 33.5 25.2 37.8
86 62.9 53.3 79.9





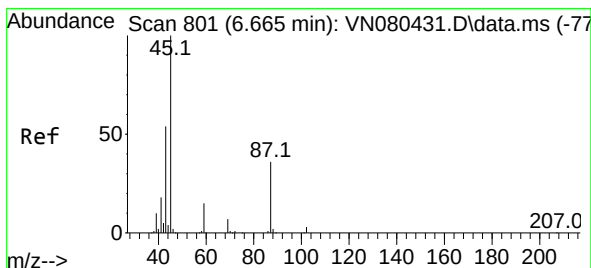
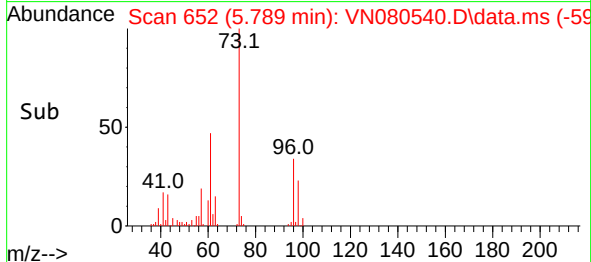
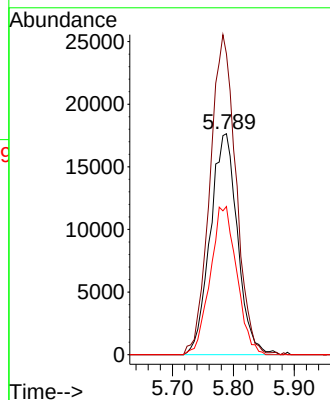
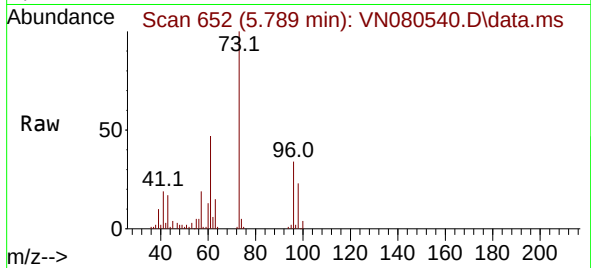
#21
trans-1,2-Dichloroethene
Concen: 16.599 ug/l
RT: 5.789 min Scan# 612
Delta R.T. 0.012 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 96 Resp: 54920
Ion Ratio Lower Upper
96 100
61 136.1 90.1 135.1
98 67.0 46.4 69.6

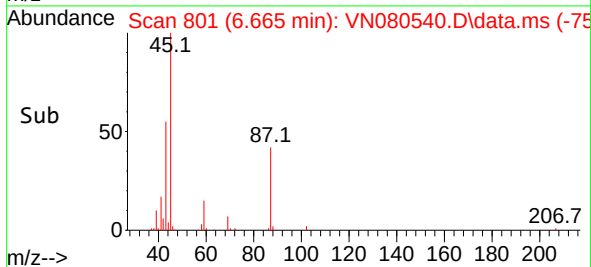
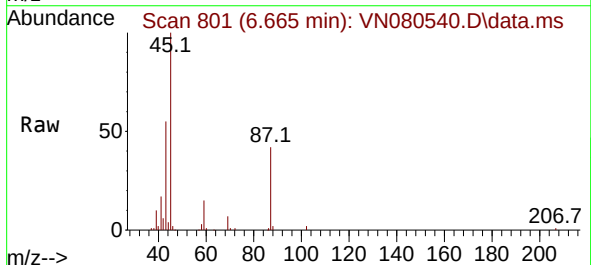
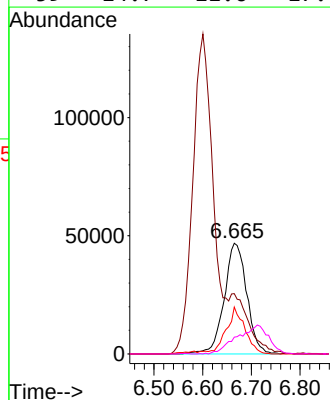
Manual Integrations
APPROVED

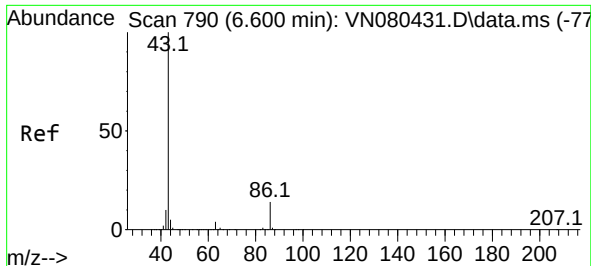
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#22
Diisopropyl ether
Concen: 18.504 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

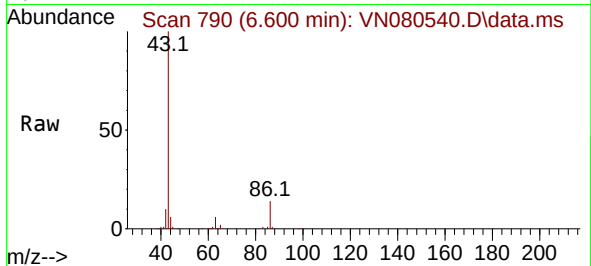
Tgt Ion: 45 Resp: 150774
Ion Ratio Lower Upper
45 100
43 52.2 45.5 68.3
87 42.3 31.8 47.8
59 14.7 11.6 17.4





#23
 Vinyl Acetate
 Concen: 85.132 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

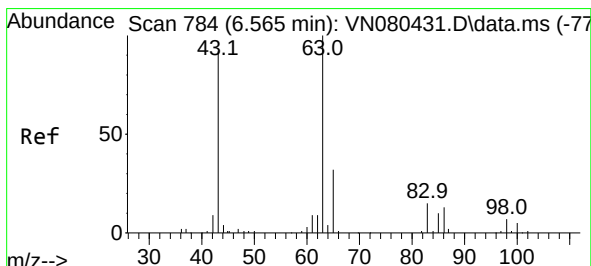
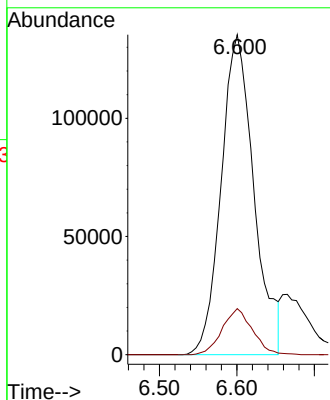
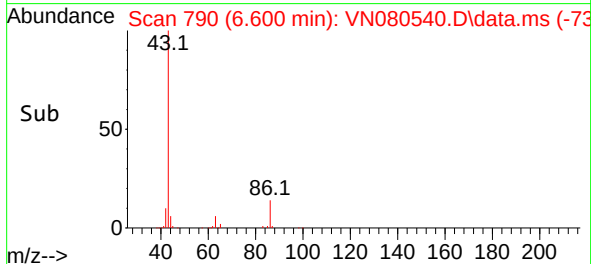
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01



Tgt Ion: 43 Resp: 398400
 Ion Ratio Lower Upper
 43 100
 86 14.4 13.0 19.6

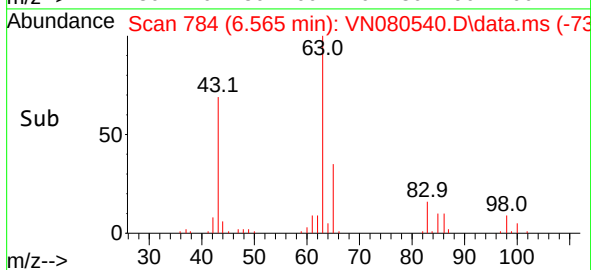
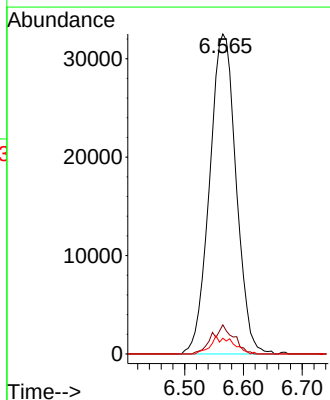
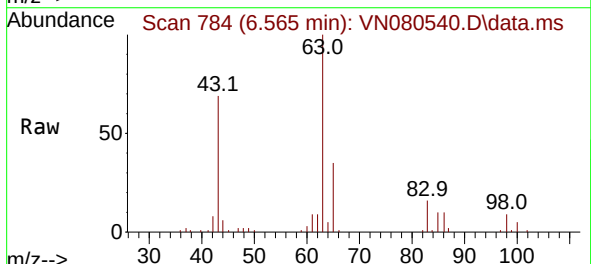
Manual Integrations
 APPROVED

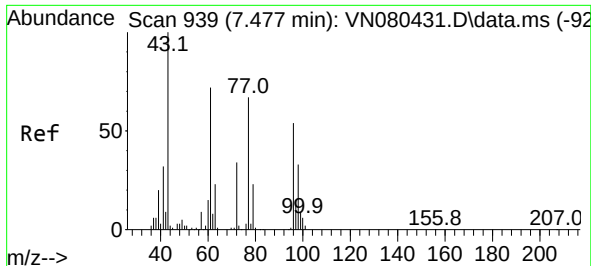
Reviewed By :John Carlone 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#24
 1,1-Dichloroethane
 Concen: 17.937 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

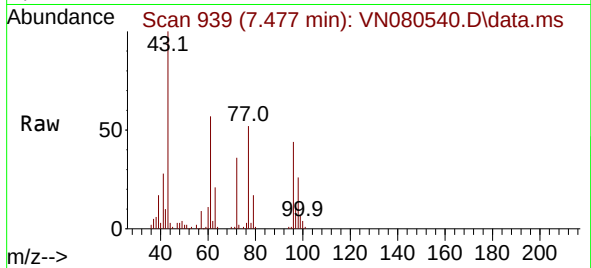
Tgt Ion: 63 Resp: 101970
 Ion Ratio Lower Upper
 63 100
 98 9.1 3.9 11.7
 100 4.9 2.5 7.4





#25
2-Butanone
Concen: 110.941 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

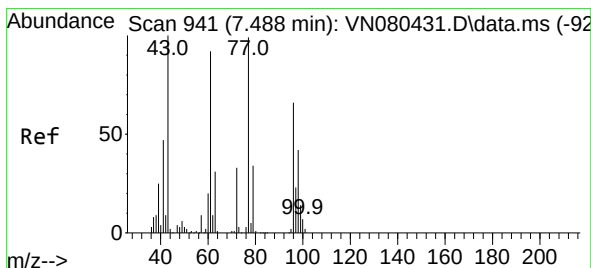
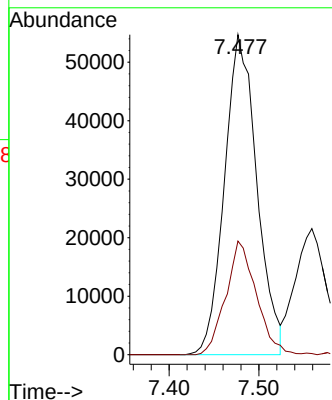
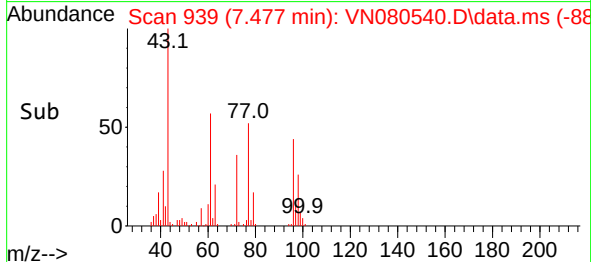
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



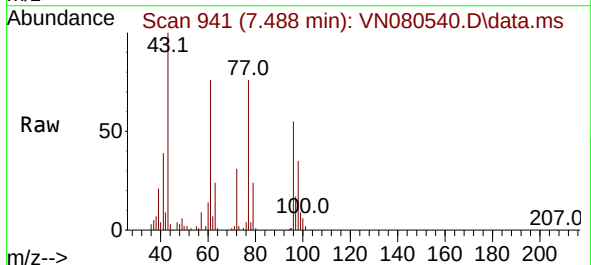
Tgt Ion: 43 Resp: 137380
Ion Ratio Lower Upper
43 100
72 35.5 30.2 45.2

Manual Integrations
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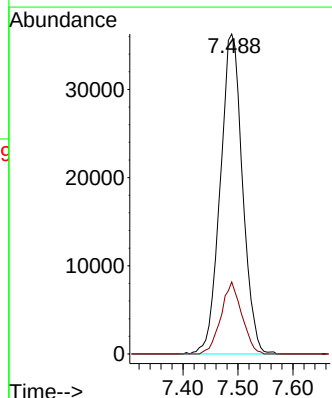
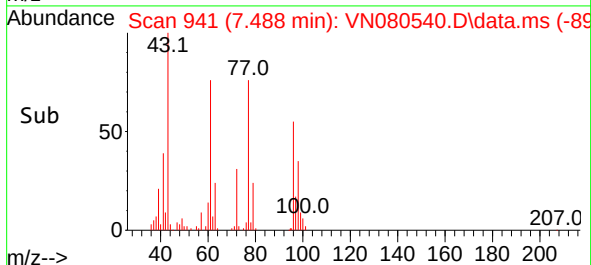
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

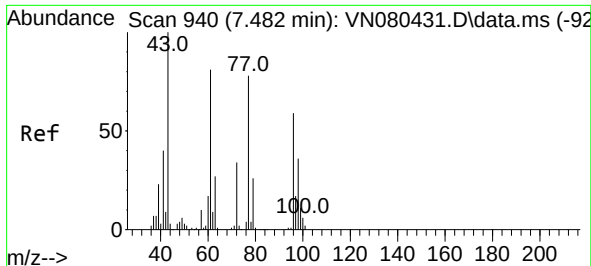


#26
2,2-Dichloropropane
Concen: 17.541 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



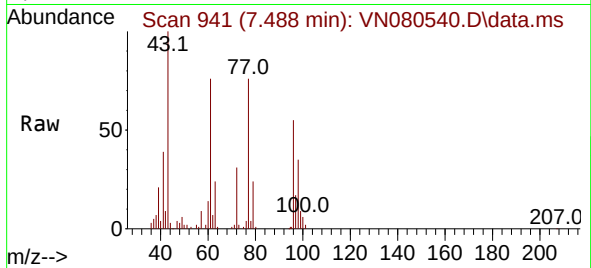
Tgt Ion: 77 Resp: 101967
Ion Ratio Lower Upper
77 100
97 21.1 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 18.476 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

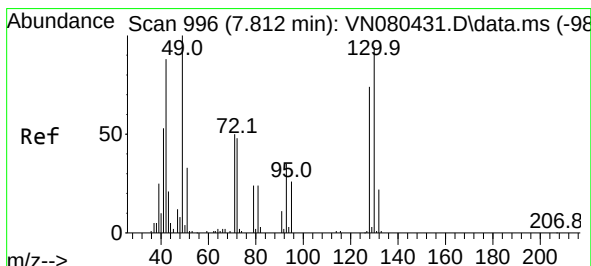
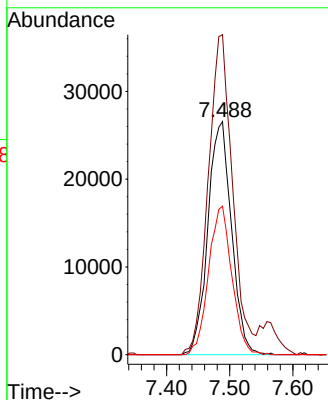
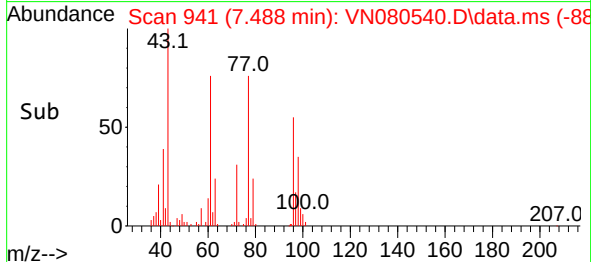
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01



Tgt Ion: 96 Resp: 69194
 Ion Ratio Lower Upper
 96 100
 61 140.7 0.0 255.2
 98 62.7 0.0 128.8

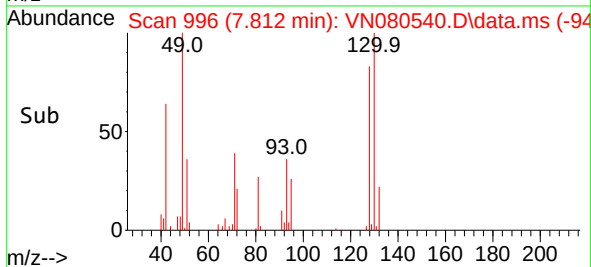
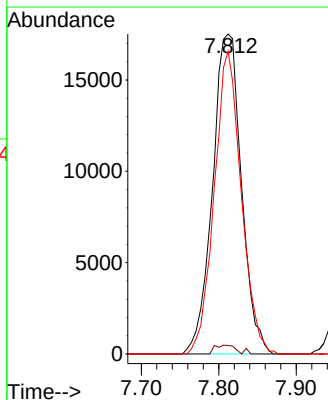
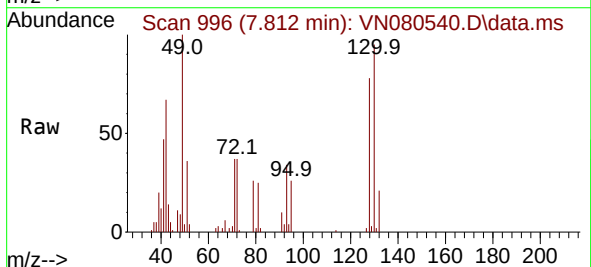
Manual Integrations
 APPROVED

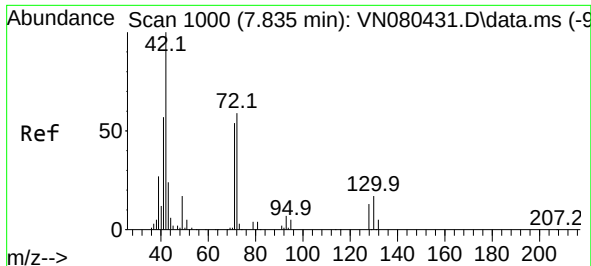
Reviewed By :John Carlone 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#28
 Bromochloromethane
 Concen: 20.818 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

Tgt Ion: 49 Resp: 45440
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.8
 130 88.2 75.3 112.9





#29

Tetrahydrofuran

Concen: 95.753 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

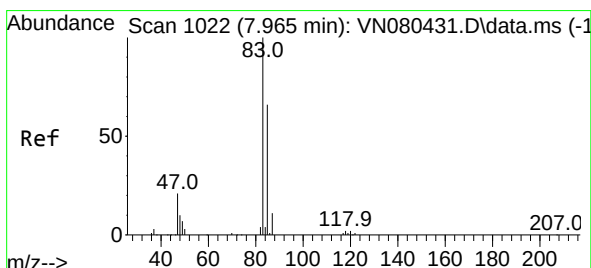
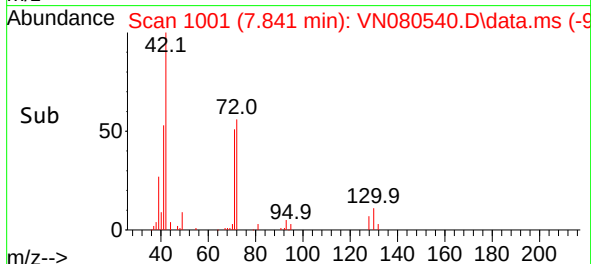
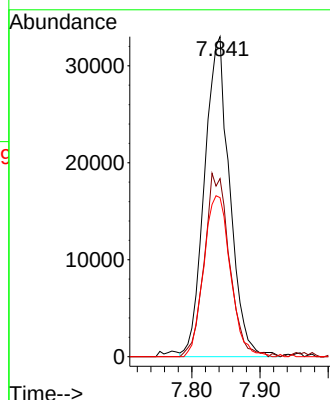
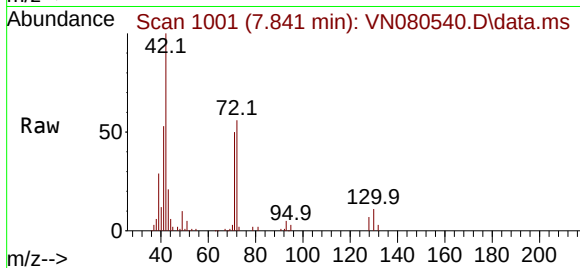
Tgt Ion:	42	Resp:	84908
Ion	Ratio	Lower	Upper
42	100		
72	57.4	49.8	74.6
71	53.2	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#30

Chloroform

Concen: 18.779 ug/l

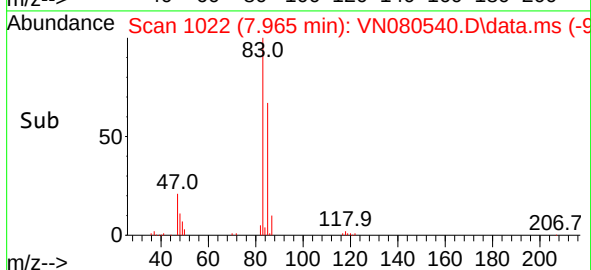
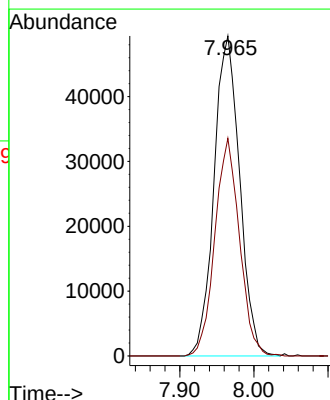
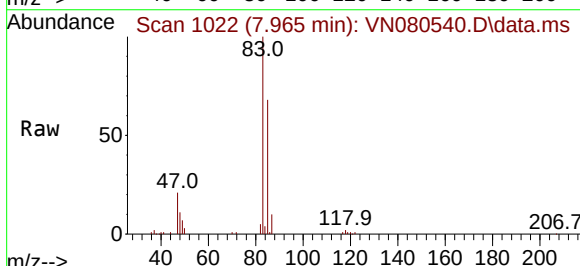
RT: 7.965 min Scan# 1022

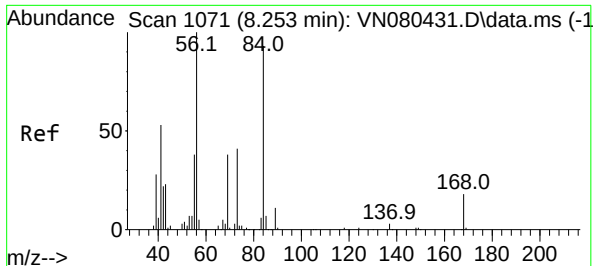
Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Tgt Ion:	83	Resp:	118505
Ion	Ratio	Lower	Upper
83	100		
85	68.0	55.4	83.0





#31

Cyclohexane

Concen: 17.113 ug/l

RT: 8.259 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tgt Ion: 56 Resp: 8436

Ion Ratio Lower Upper

56 100

69 30.6 26.8 40.2

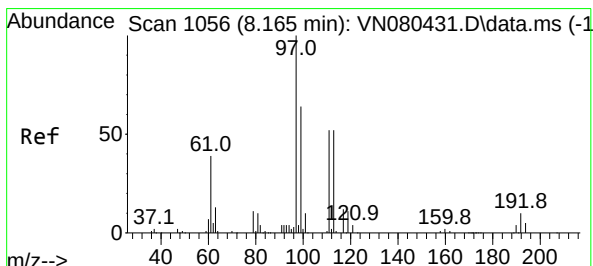
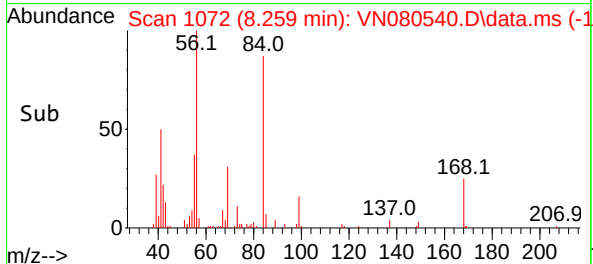
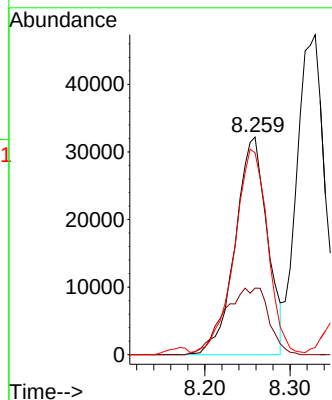
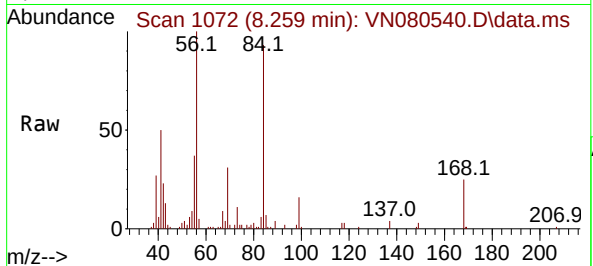
84 89.4 81.8 122.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#32

1,1,1-Trichloroethane

Concen: 18.434 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

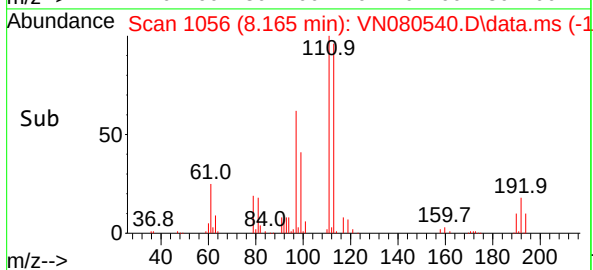
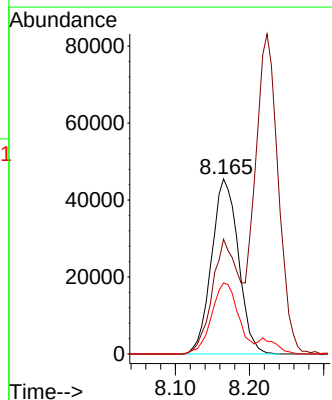
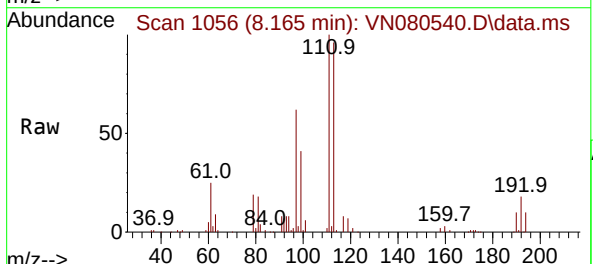
Tgt Ion: 97 Resp: 113895

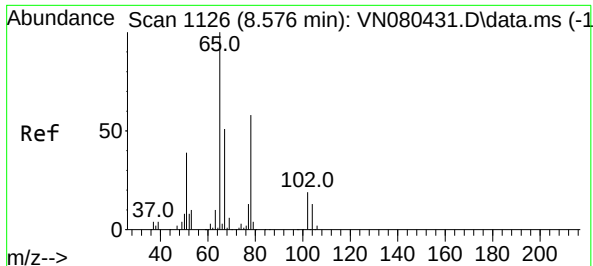
Ion Ratio Lower Upper

97 100

99 67.2 50.3 75.5

61 40.9 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 58.404 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tgt Ion: 65 Resp: 21173

Ion Ratio Lower Upper

65 100

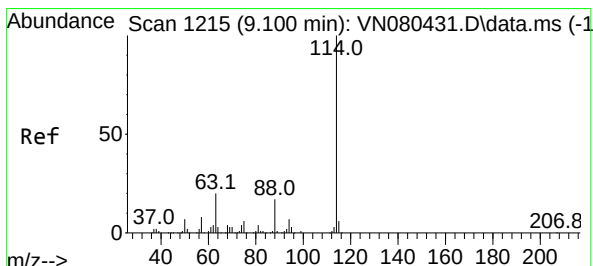
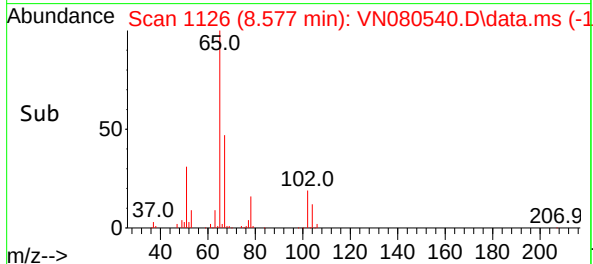
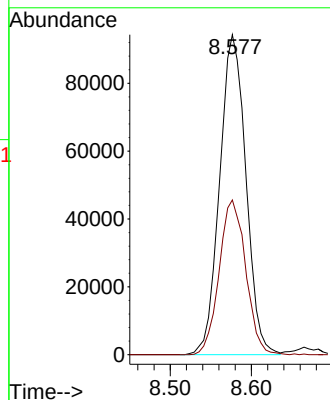
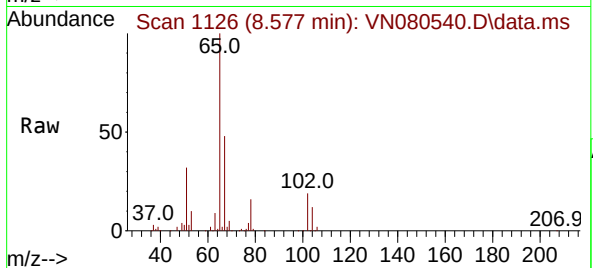
67 48.9 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

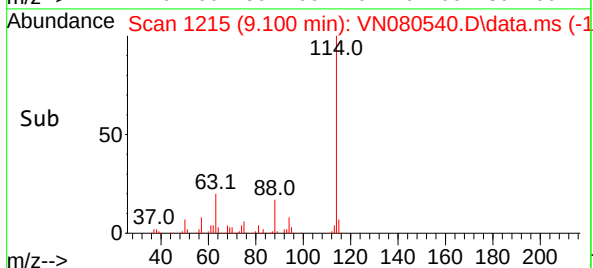
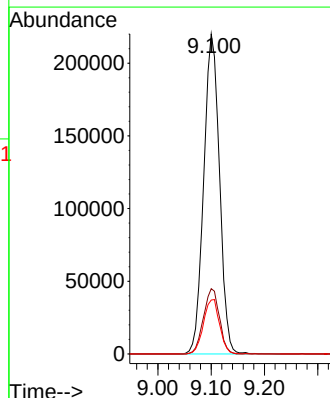
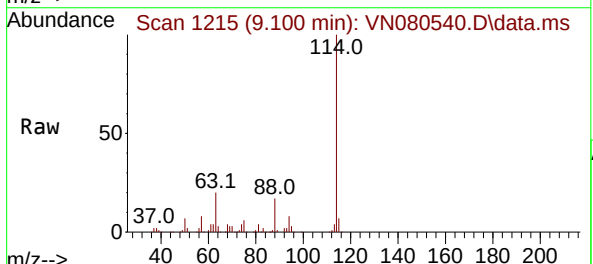
Tgt Ion:114 Resp: 452687

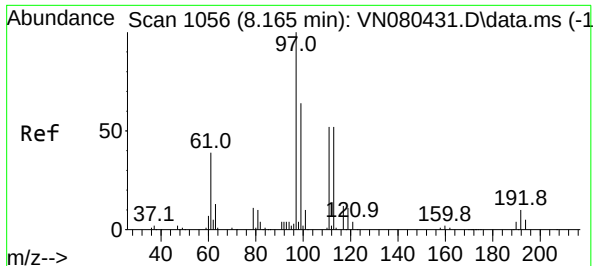
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

88 16.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 58.385 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tgt Ion: 113 Resp: 167570

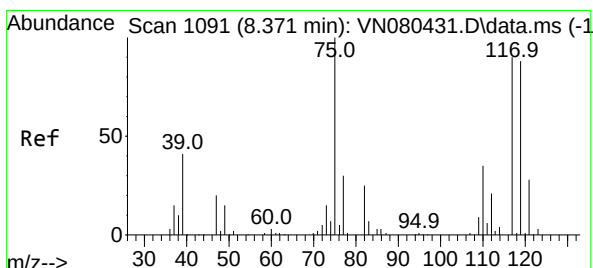
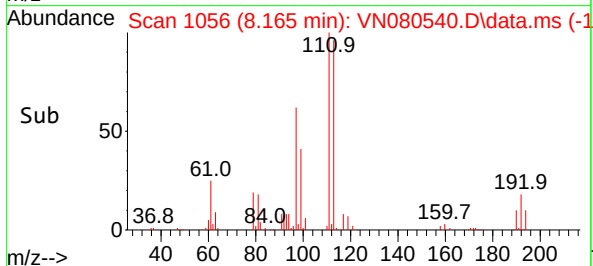
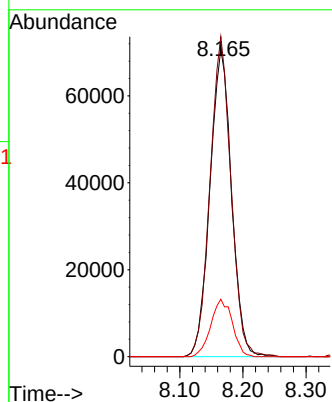
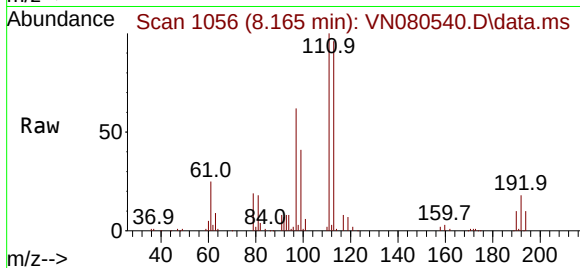
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	123.8
192	18.7	12.7	19.1

Manual Integrations

APPROVED

Reviewed By : John Carlone 12/21/2023

Supervised By : Mahesh Dadoda 12/21/2023



#36

1,1-Dichloropropene

Concen: 17.308 ug/l

RT: 8.371 min Scan# 1091

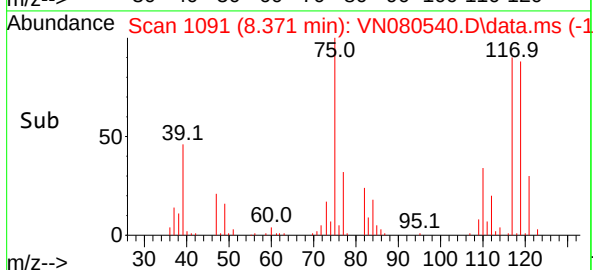
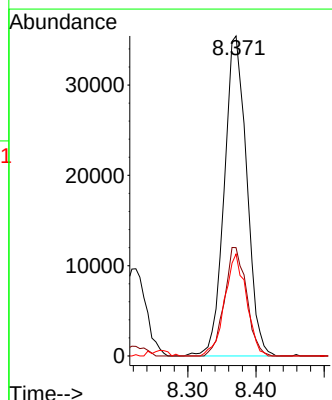
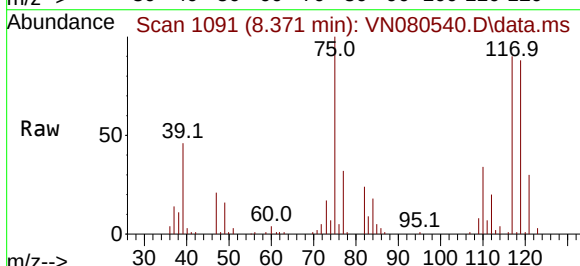
Delta R.T. 0.000 min

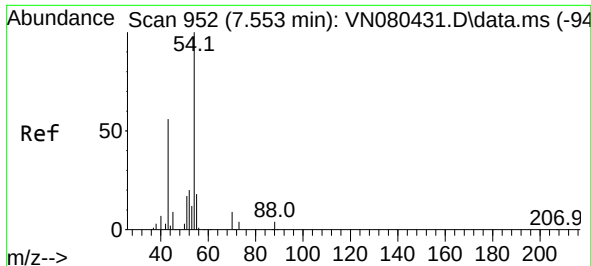
Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Tgt Ion: 75 Resp: 81228

Ion	Ratio	Lower	Upper
75	100		
110	33.3	19.1	57.3
77	30.9	25.0	37.4





#37

Ethyl Acetate

Concen: 18.735 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

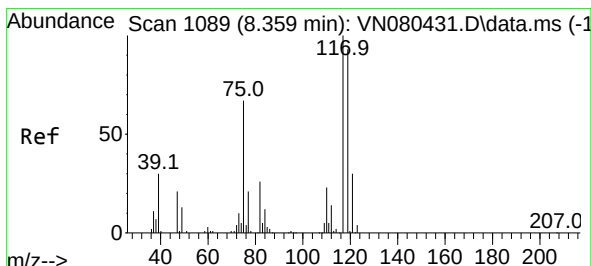
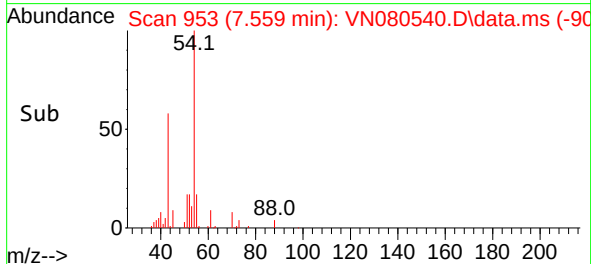
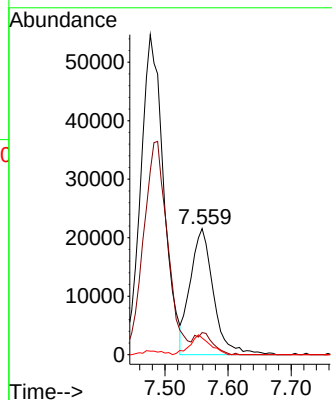
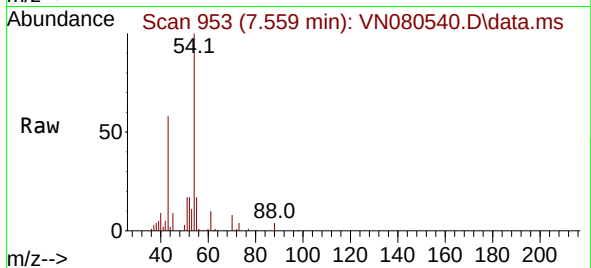
Tgt Ion:	43	Resp:	5505
Ion Ratio	Lower	Upper	
43	100		
61	13.6	13.2	19.8
70	13.4	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#38

Carbon Tetrachloride

Concen: 17.208 ug/l

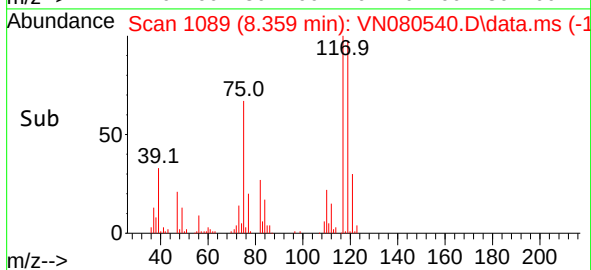
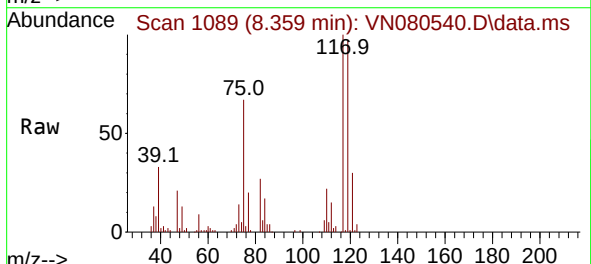
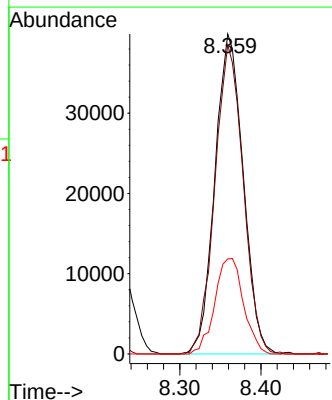
RT: 8.359 min Scan# 1089

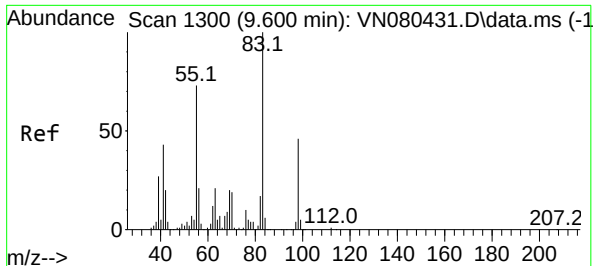
Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Tgt Ion:	117	Resp:	96495
Ion Ratio	Lower	Upper	
117	100		
119	96.6	77.3	115.9
121	29.7	23.3	34.9





#39

Methylcyclohexane

Concen: 15.386 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

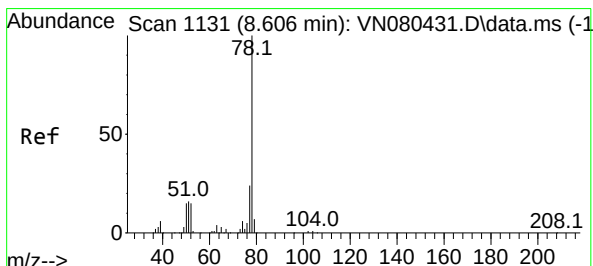
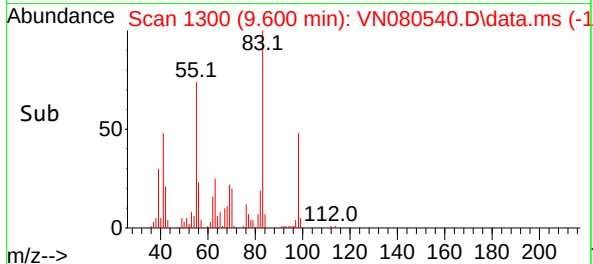
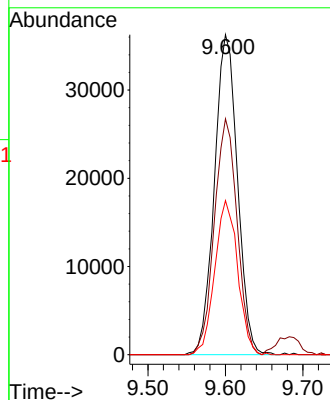
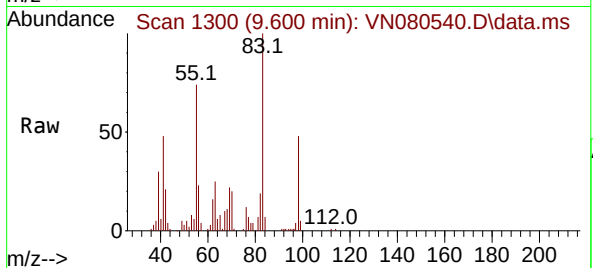
Tgt Ion:	83	Resp:	75012
Ion Ratio	Lower	Upper	
83	100		
55	73.7	49.1	73.7
98	48.2	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#40

Benzene

Concen: 17.637 ug/l

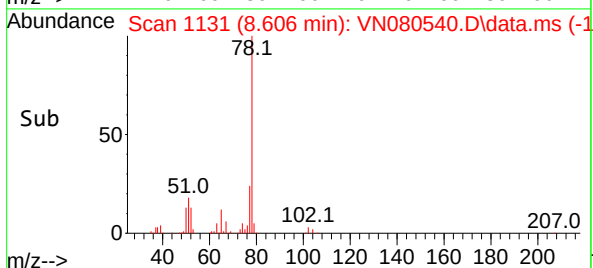
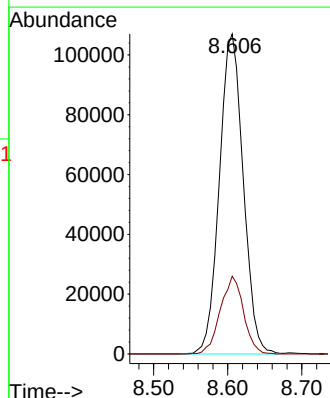
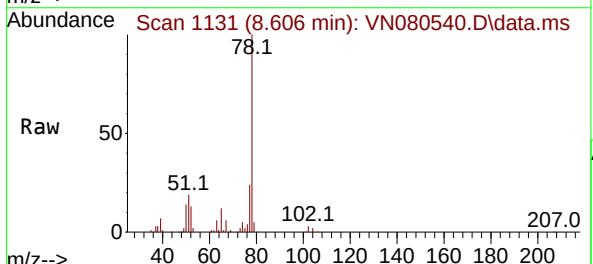
RT: 8.606 min Scan# 1131

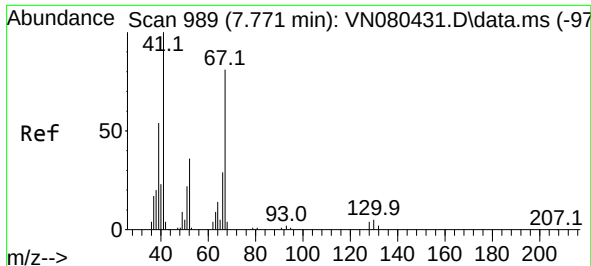
Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

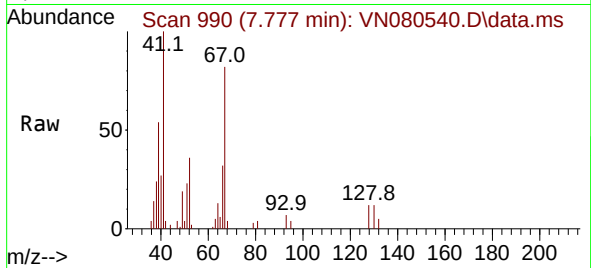
Tgt Ion:	78	Resp:	239014
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.0	28.6





#41
Methacrylonitrile
Concen: 18.817 ug/l
RT: 7.777 min Scan# 989
Delta R.T. 0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

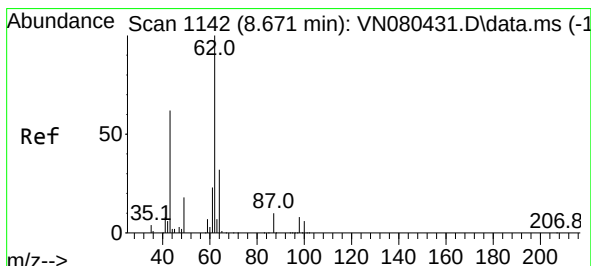
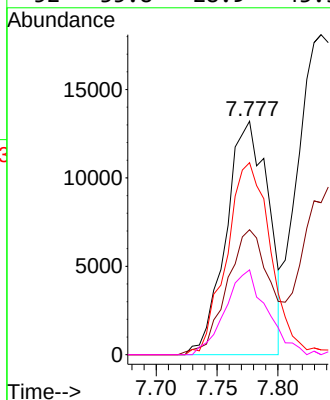
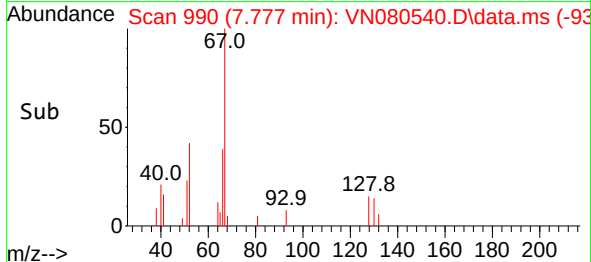
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



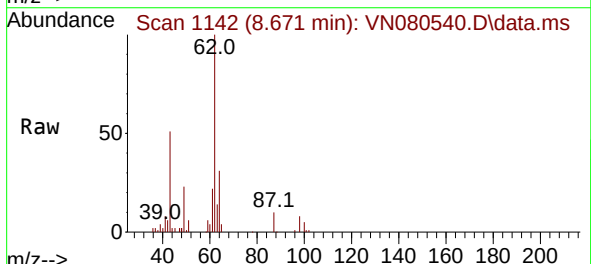
Tgt Ion: 41 Resp: 31880
Ion Ratio Lower Upper
41 100
39 56.2 42.6 64.0
67 86.3 77.5 116.3
52 35.8 28.9 43.3

Manual Integrations
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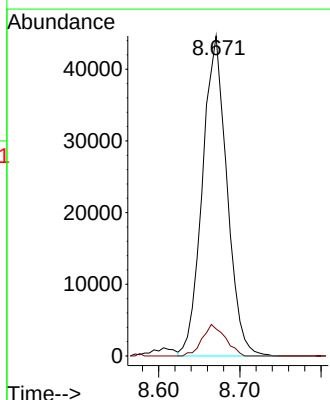
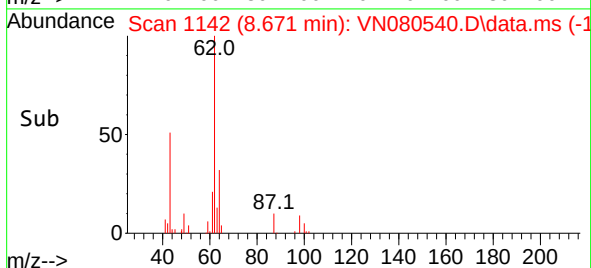
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

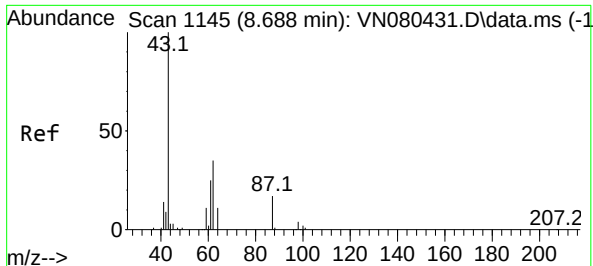


#42
1,2-Dichloroethane
Concen: 18.672 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



Tgt Ion: 62 Resp: 93702
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.8





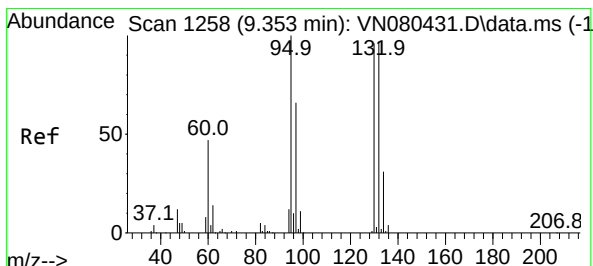
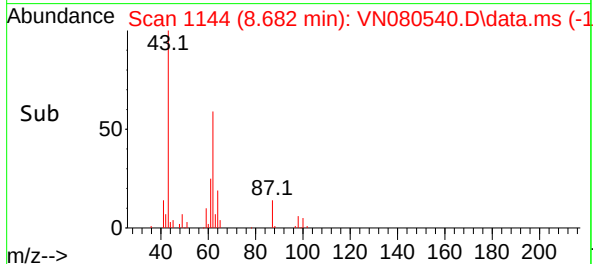
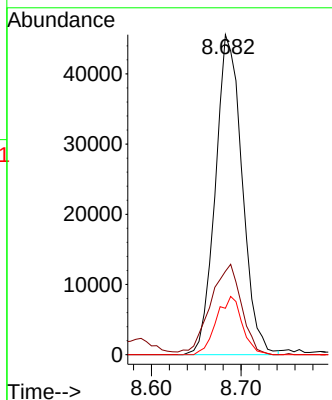
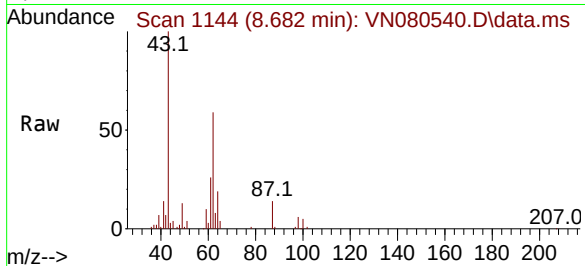
#43
Isopropyl Acetate
Concen: 17.852 ug/l
RT: 8.682 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 43 Resp: 94328
Ion Ratio Lower Upper
43 100
61 32.9 24.7 37.1
87 17.6 14.6 21.8

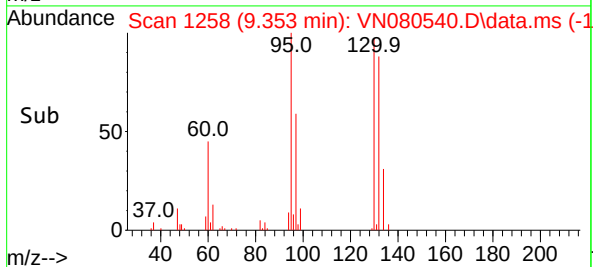
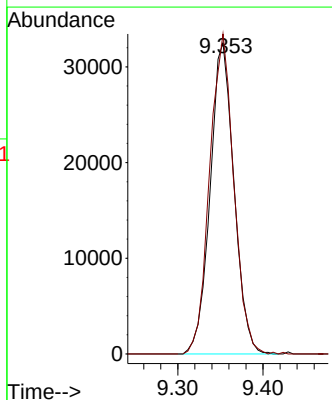
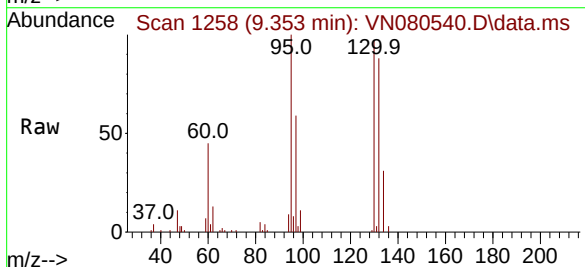
Manual Integrations
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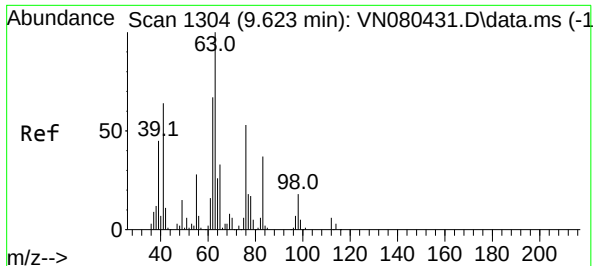
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#44
Trichloroethene
Concen: 17.334 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Tgt Ion:130 Resp: 63327
Ion Ratio Lower Upper
130 100
95 102.8 0.0 204.6





#45

1,2-Dichloropropane

Concen: 17.712 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tgt Ion: 63 Resp: 5637

Ion Ratio Lower Upper

63 100

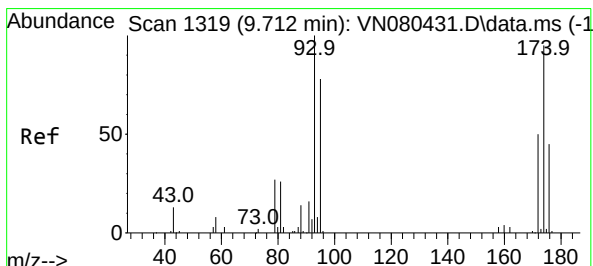
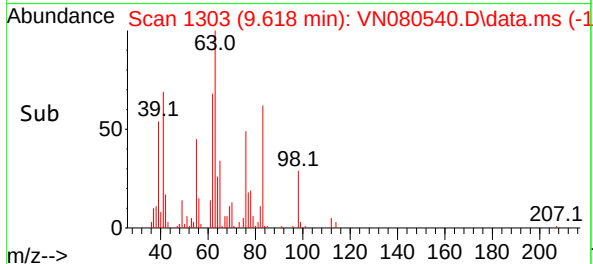
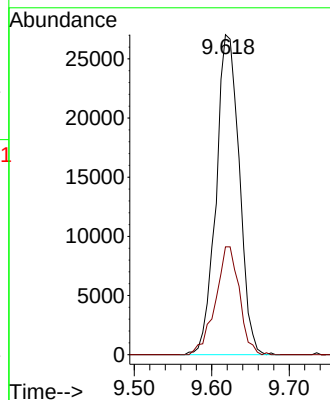
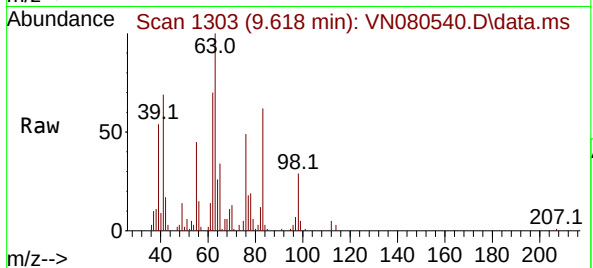
65 33.7 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#46

Dibromomethane

Concen: 18.375 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

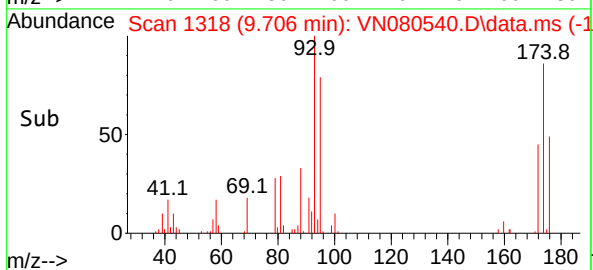
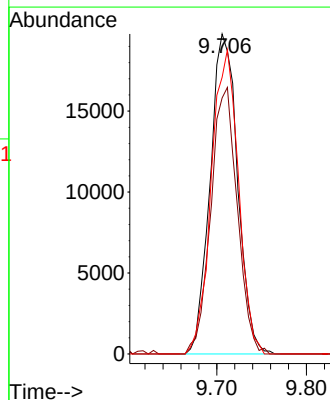
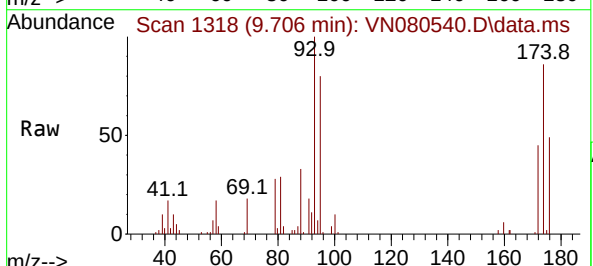
Tgt Ion: 93 Resp: 42001

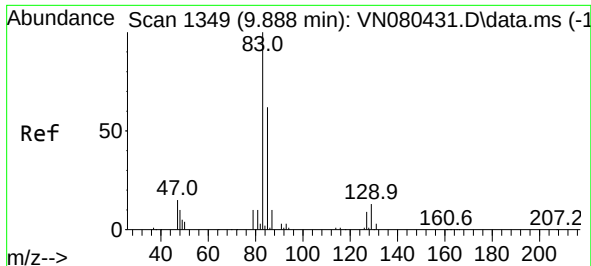
Ion Ratio Lower Upper

93 100

95 80.5 63.8 95.8

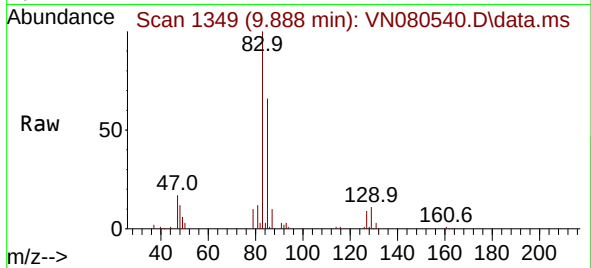
174 93.4 65.6 98.4





#47
Bromodichloromethane
Concen: 18.086 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

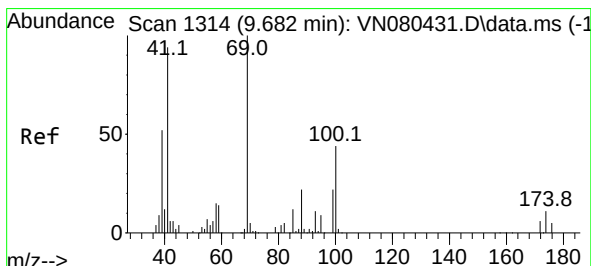
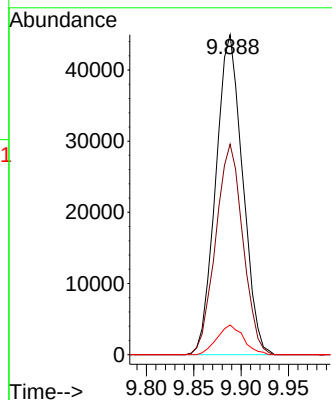
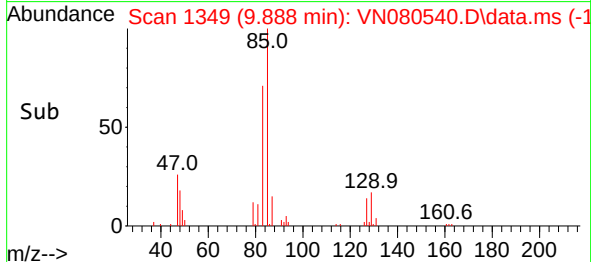
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



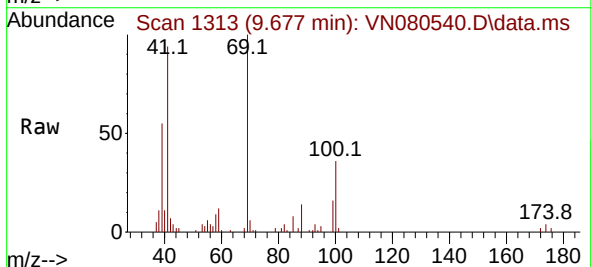
Tgt Ion: 83 Resp: 88599
Ion Ratio Lower Upper
83 100
85 65.8 49.6 74.4
127 9.3 7.0 10.6

Manual Integrations
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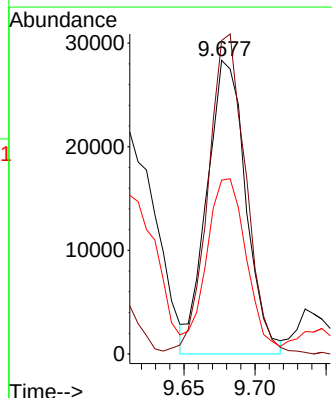
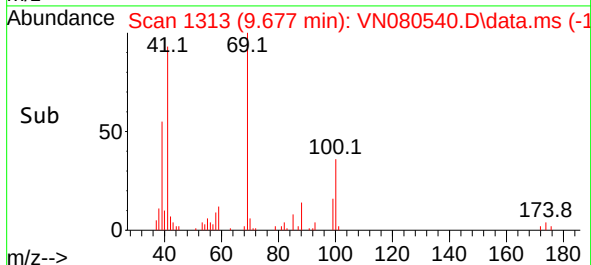
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

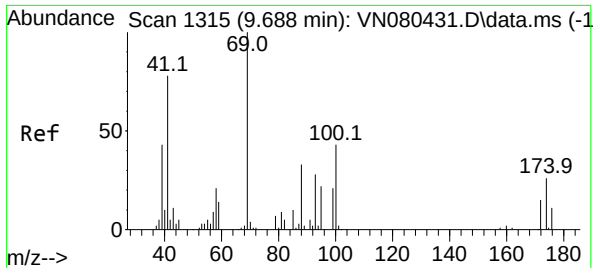


#48
Methyl methacrylate
Concen: 17.114 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



Tgt Ion: 41 Resp: 53966
Ion Ratio Lower Upper
41 100
69 105.4 90.4 135.6
39 61.8 54.6 81.8





#49

1,4-Dioxane

Concen: 356.630 ug/l

RT: 9.688 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tgt Ion: 88 Resp: 1704

Ion Ratio Lower Upper

88 100

43 29.9 17.0 25.6

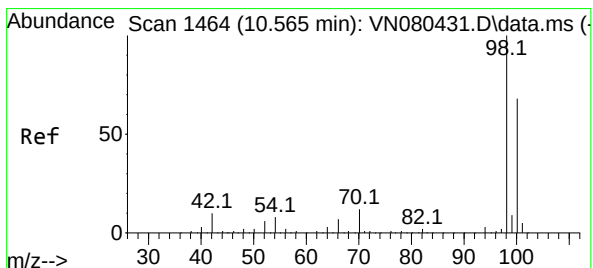
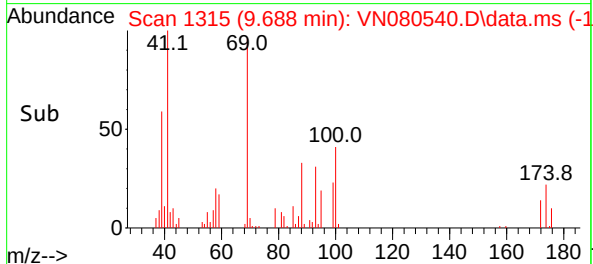
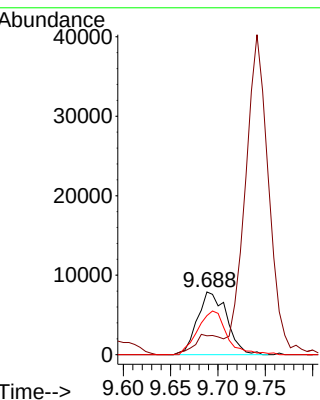
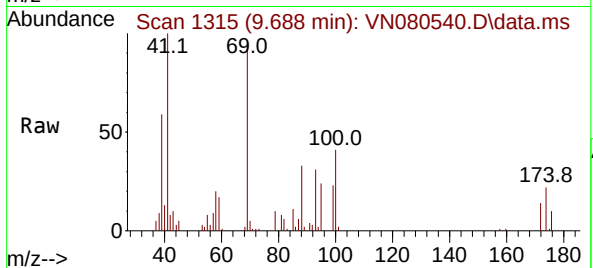
58 69.1 47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#50

Toluene-d8

Concen: 56.510 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080540.D

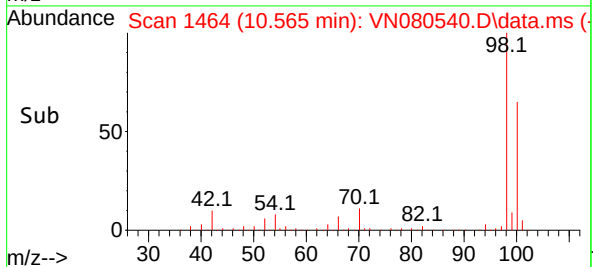
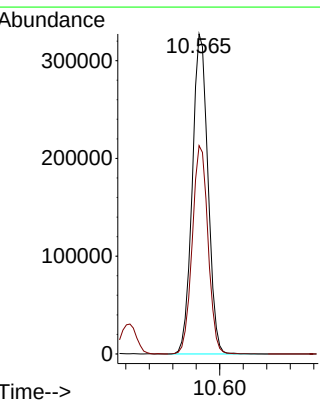
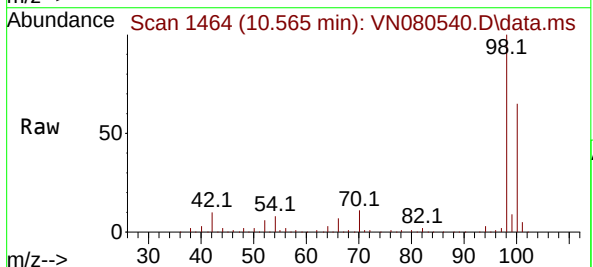
Acq: 20 Dec 2023 12:18

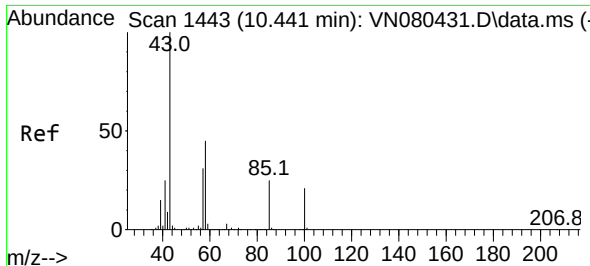
Tgt Ion: 98 Resp: 604911

Ion Ratio Lower Upper

98 100

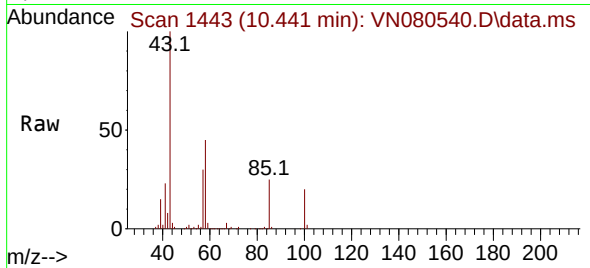
100 65.5 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 97.300 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

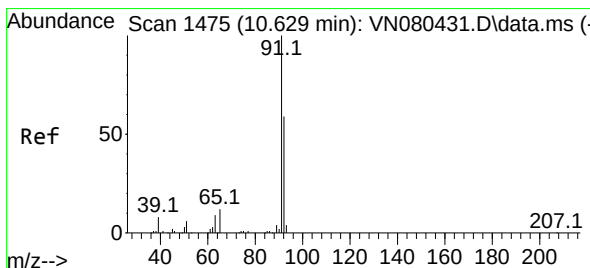
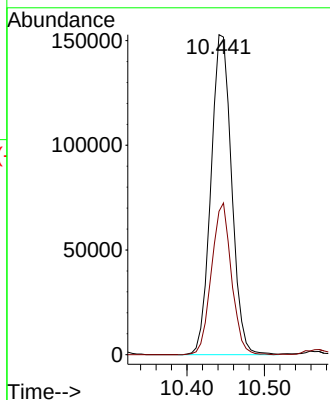
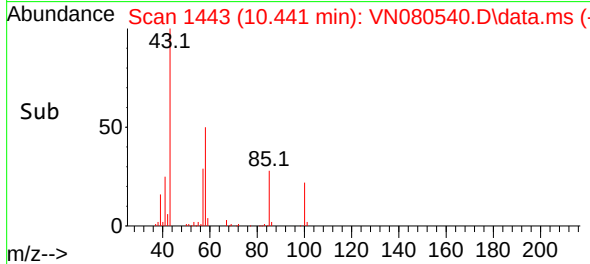
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



Tgt Ion: 43 Resp: 283152
Ion Ratio Lower Upper
43 100
58 45.7 36.6 54.8

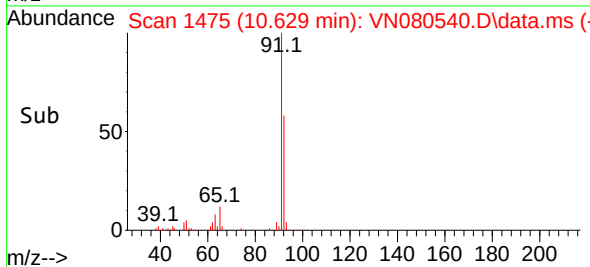
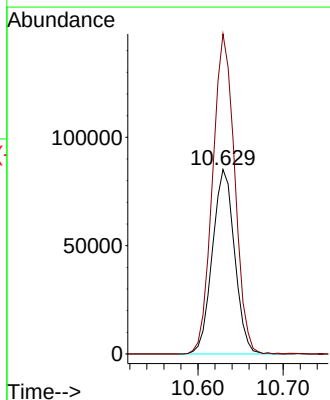
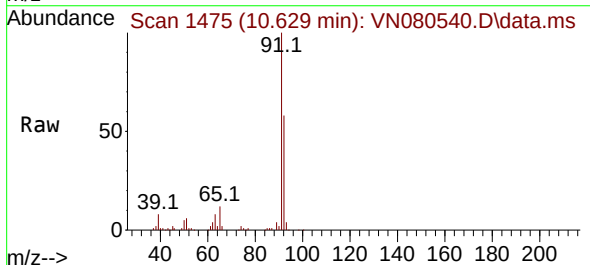
Manual Integrations
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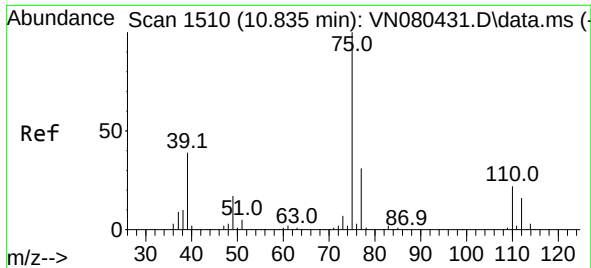
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#52
Toluene
Concen: 18.026 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Tgt Ion: 92 Resp: 154319
Ion Ratio Lower Upper
92 100
91 172.8 137.4 206.0





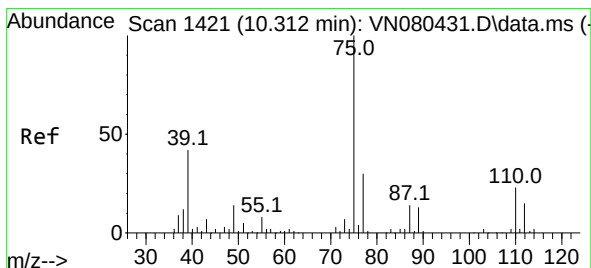
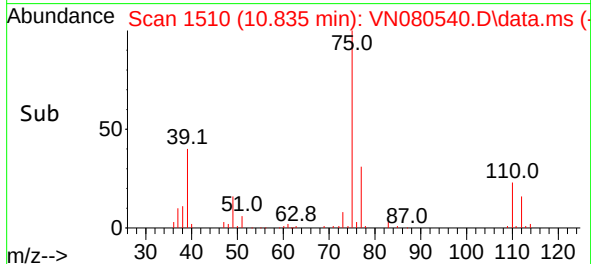
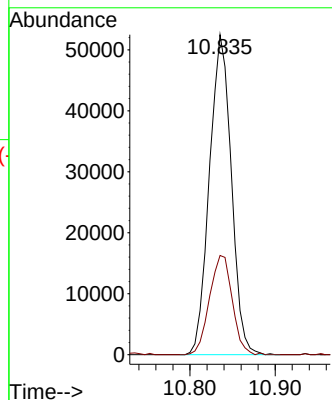
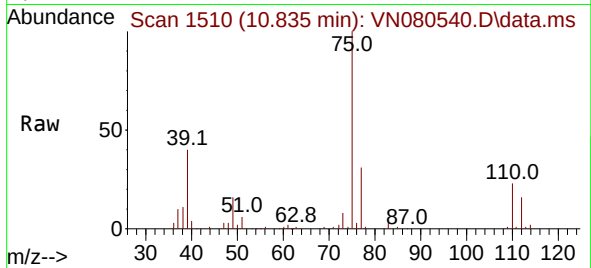
#53
 t-1,3-Dichloropropene
 Concen: 17.669 ug/l
 RT: 10.835 min Scan# 1510
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Tgt Ion: 75 Resp: 93649
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.0

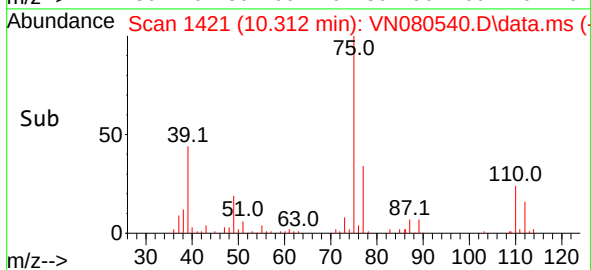
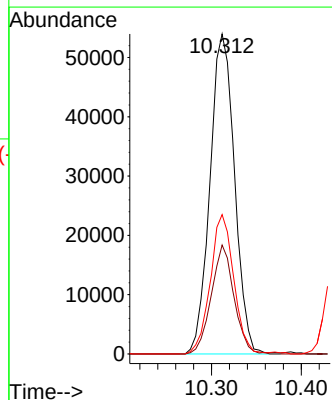
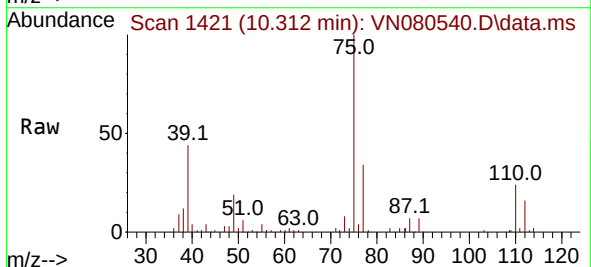
Manual Integrations
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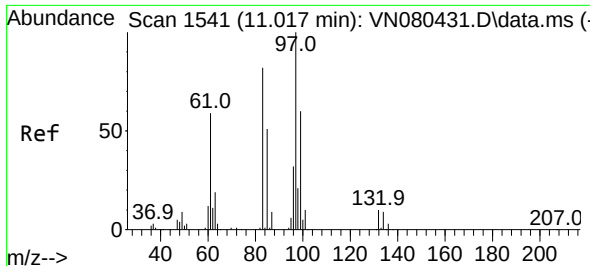
Reviewed By :John Carlone 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#54
 cis-1,3-Dichloropropene
 Concen: 18.116 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

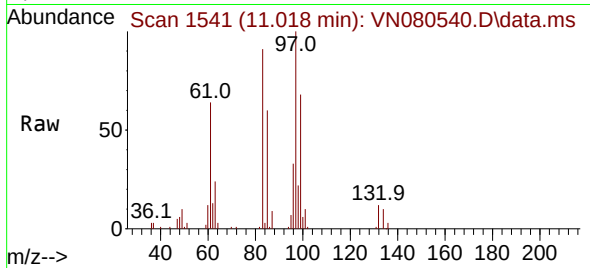
Tgt Ion: 75 Resp: 102633
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.1 39.1
 39 43.6 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 18.982 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

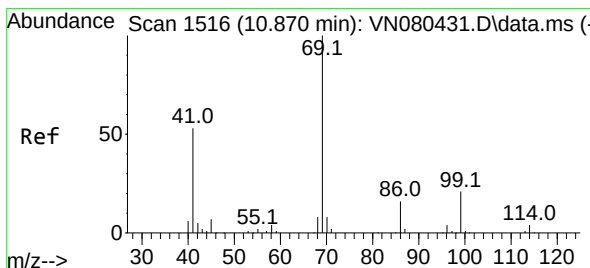
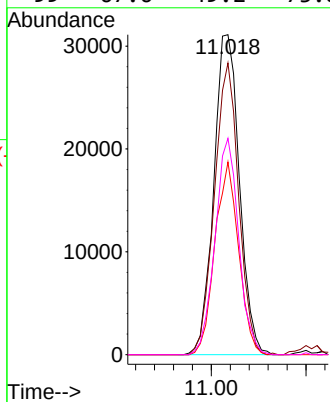
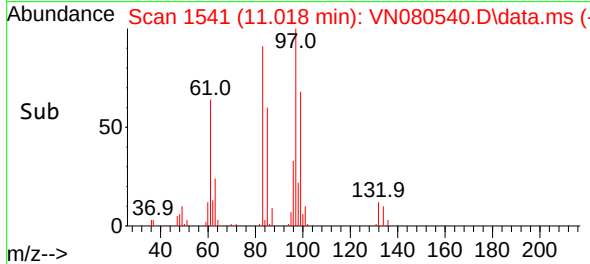
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



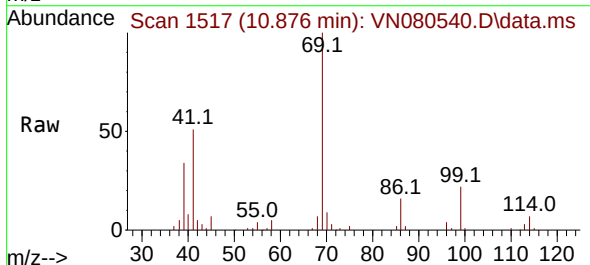
Tgt Ion:	97	Resp:	5847
Ion	Ratio	Lower	Upper
97	100		
83	91.1	65.1	97.7
85	60.2	43.4	65.2
99	67.6	49.2	73.8

Manual Integrations
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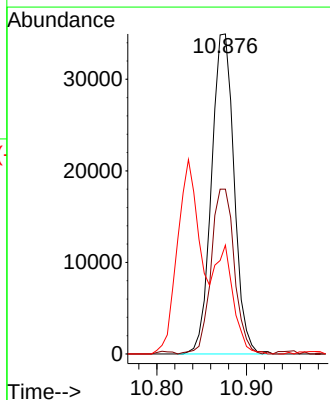
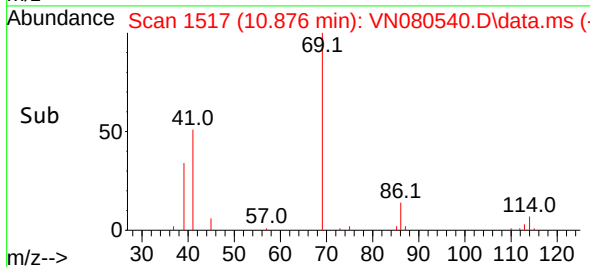
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

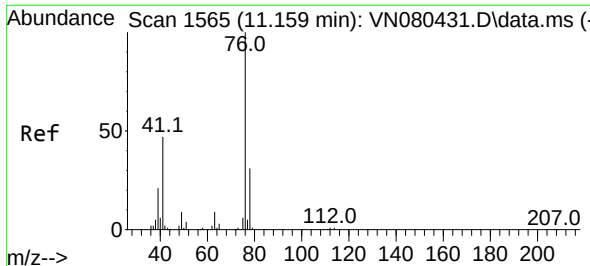


#56
Ethyl methacrylate
Concen: 17.923 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



Tgt Ion:	69	Resp:	61127
Ion	Ratio	Lower	Upper
69	100		
41	53.2	39.6	59.4
39	27.9	28.6	43.0





#57

1,3-Dichloropropane

Concen: 17.632 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.006 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tgt Ion: 76 Resp: 9521

Ion Ratio Lower Upper

76 100

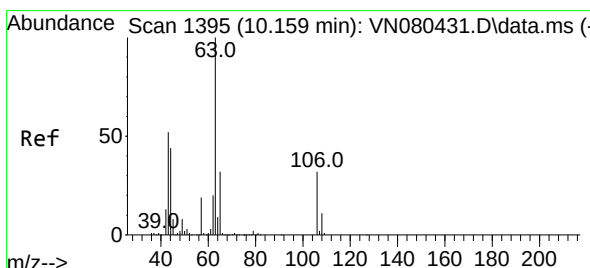
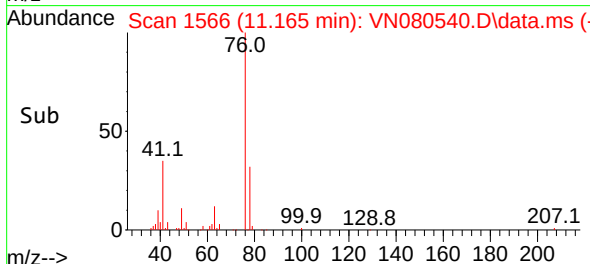
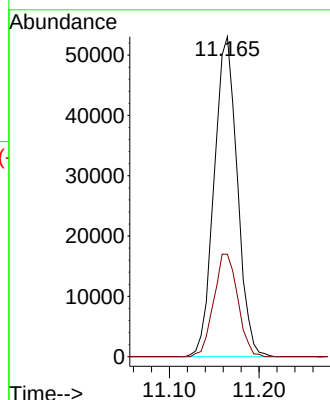
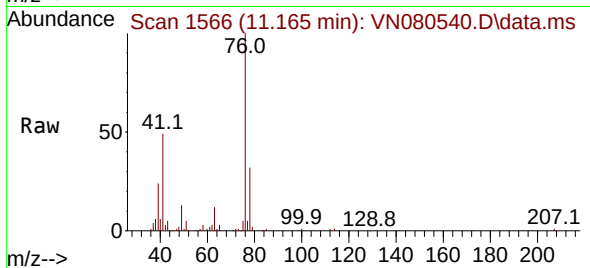
78 33.2 26.1 39.1

Manual Integrations

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Reviewed By :John Carlone 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#58

2-Chloroethyl Vinyl ether

Concen: 89.492 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN080540.D

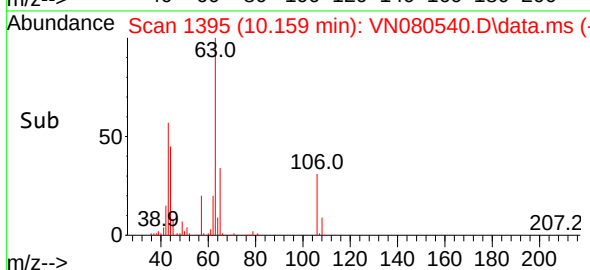
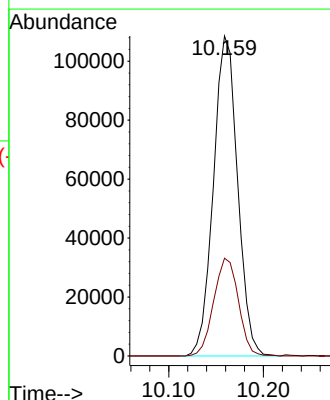
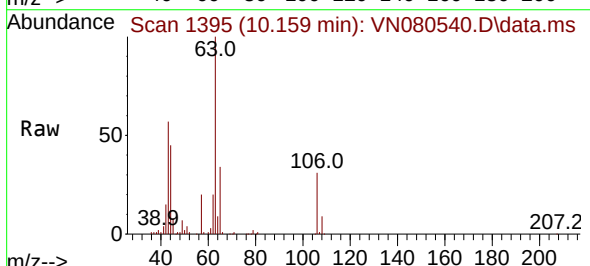
Acq: 20 Dec 2023 12:18

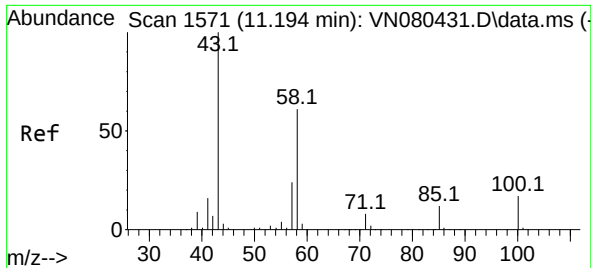
Tgt Ion: 63 Resp: 192681

Ion Ratio Lower Upper

63 100

106 31.1 26.2 39.4





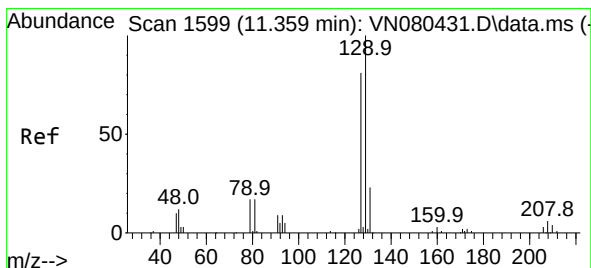
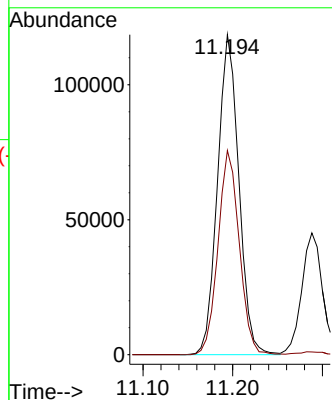
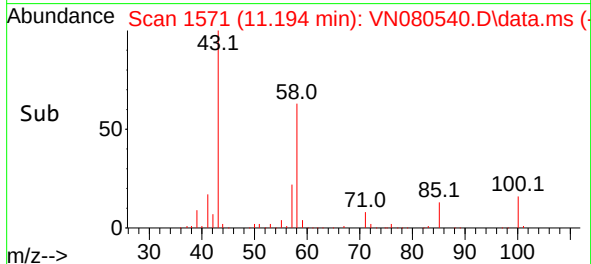
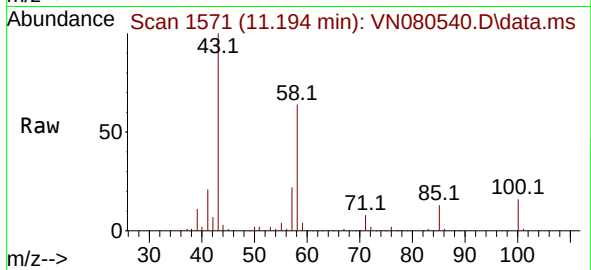
#59
2-Hexanone
Concen: 90.949 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 43 Resp: 19539
Ion Ratio Lower Upper
43 100
58 63.7 31.7 95.1

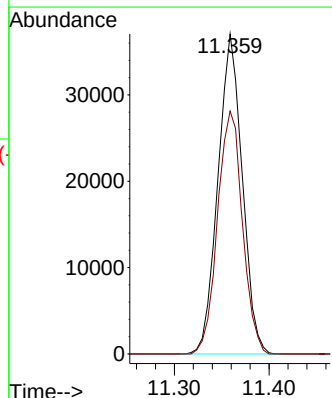
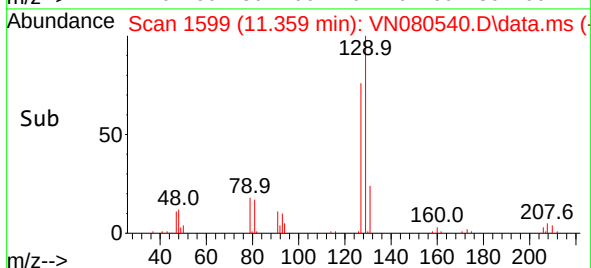
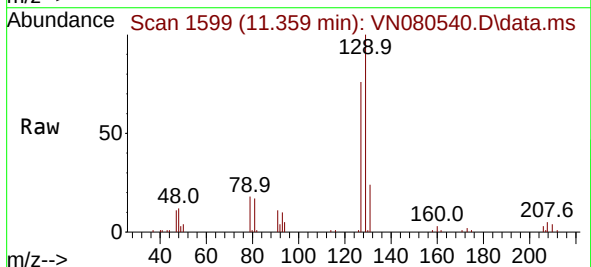
Manual Integrations
APPROVED

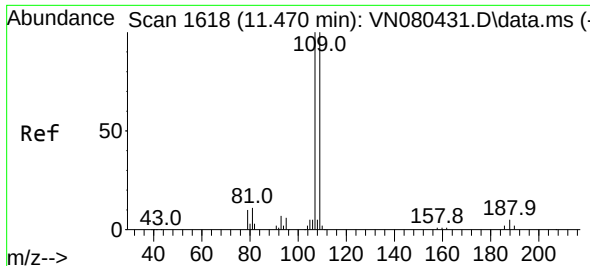
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#60
Dibromochloromethane
Concen: 18.097 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

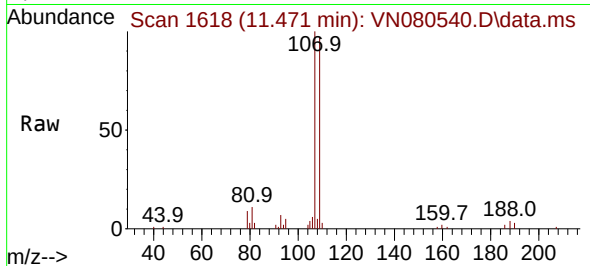
Tgt Ion:129 Resp: 66057
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61
1,2-Dibromoethane
Concen: 17.622 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

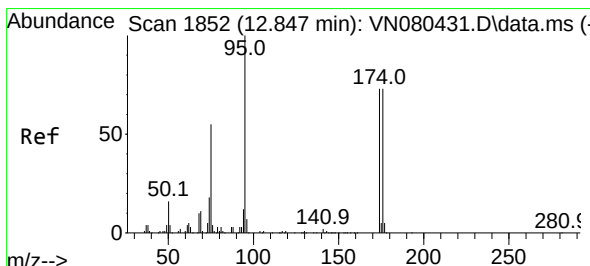
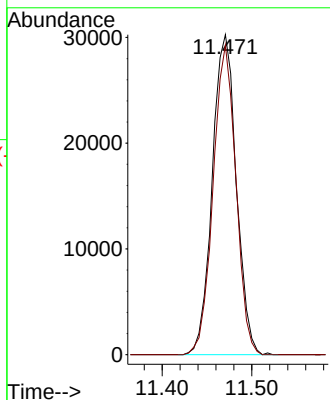
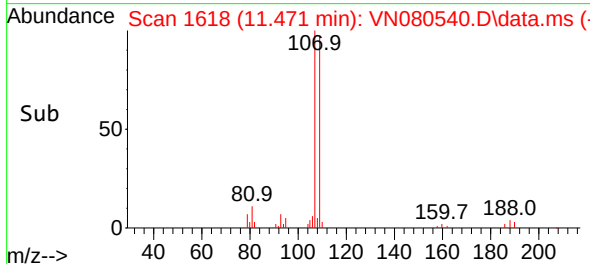
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



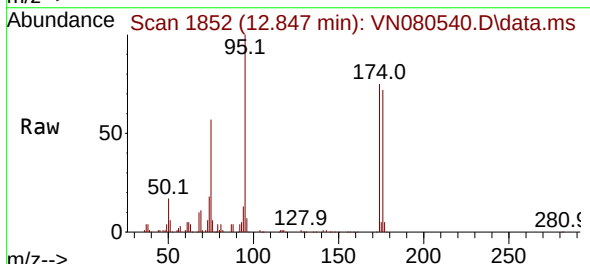
Tgt Ion:107 Resp: 5618
Ion Ratio Lower Upper
107 100
109 92.0 76.6 114.8

Manual Integrations
APPROVED

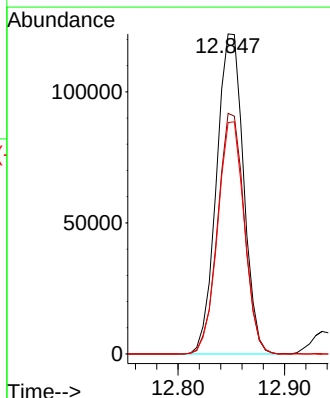
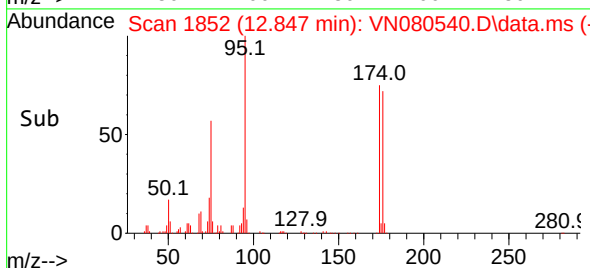
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

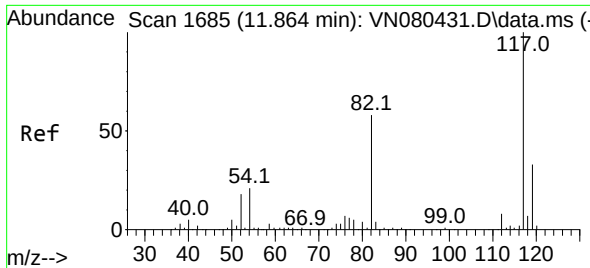


#62
4-Bromofluorobenzene
Concen: 52.810 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



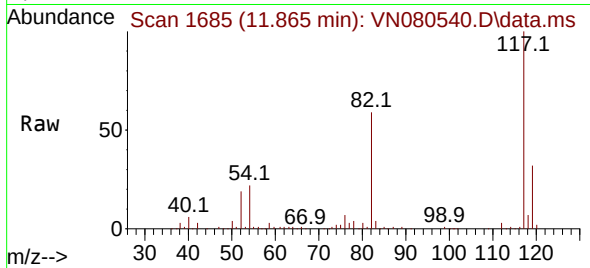
Tgt Ion: 95 Resp: 214660
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 72.0 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

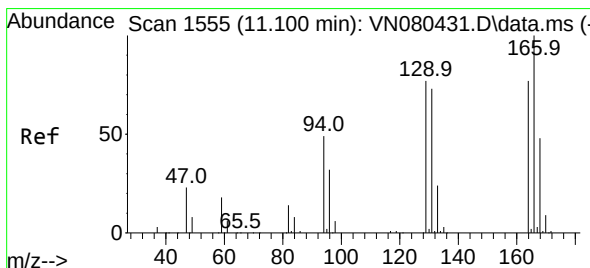
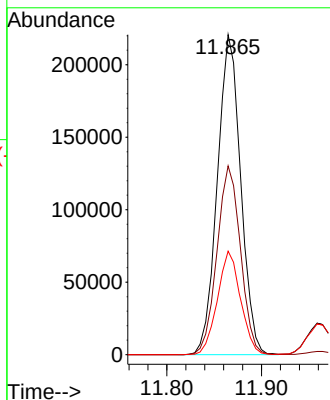
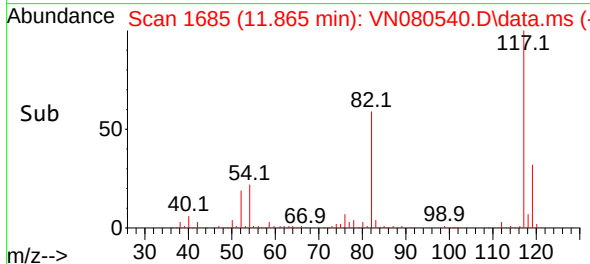
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



Tgt Ion:117 Resp: 37836
Ion Ratio Lower Upper
117 100
82 59.0 44.0 66.0
119 32.4 25.6 38.4

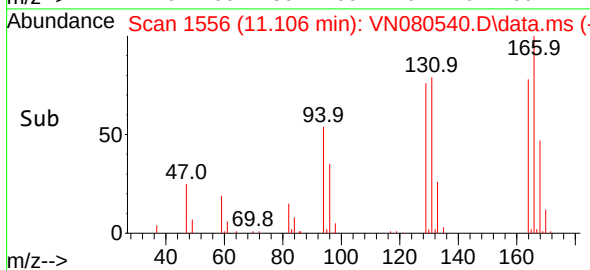
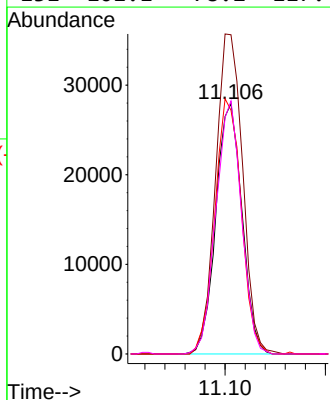
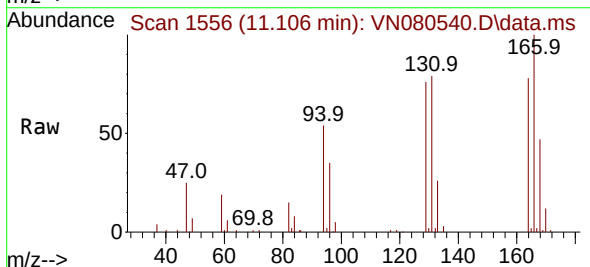
Manual Integrations
APPROVED

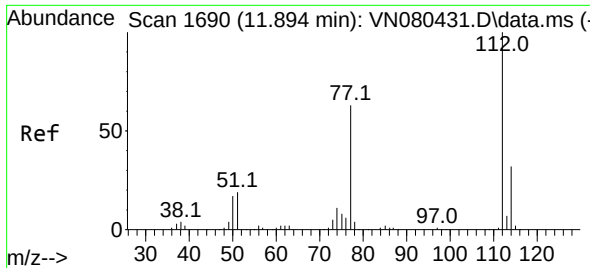
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#64
Tetrachloroethene
Concen: 17.312 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Tgt Ion:164 Resp: 50574
Ion Ratio Lower Upper
164 100
166 127.5 101.4 152.0
129 97.3 82.4 123.6
131 101.1 78.2 117.4





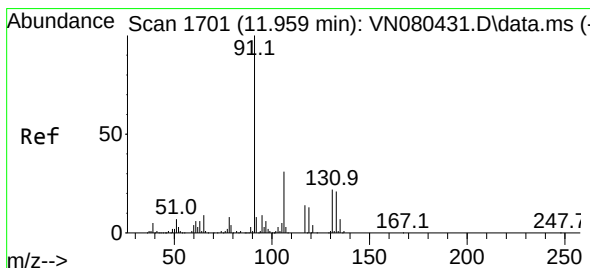
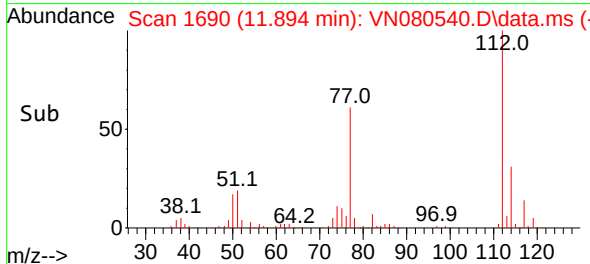
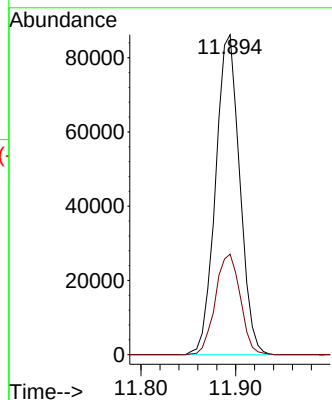
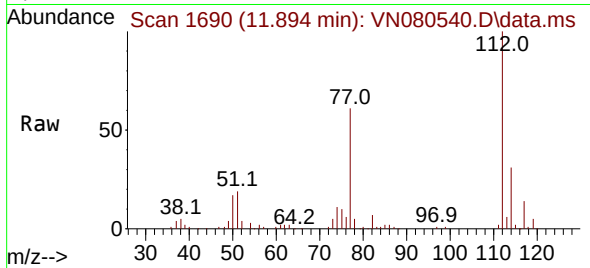
#65
Chlorobenzene
Concen: 18.137 ug/l
RT: 11.894 min Scan# 1119
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:112 Resp: 15265
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4

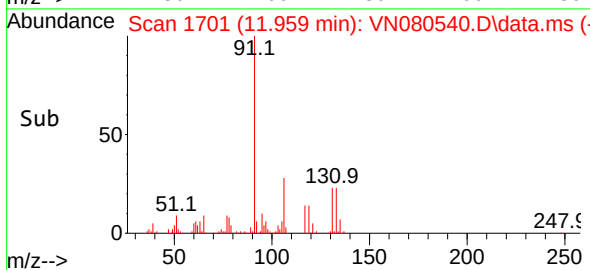
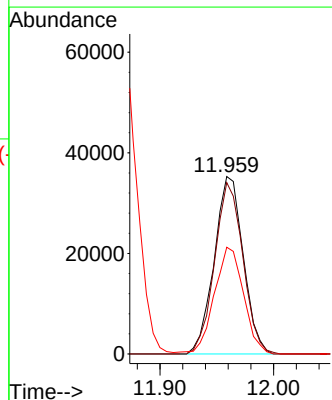
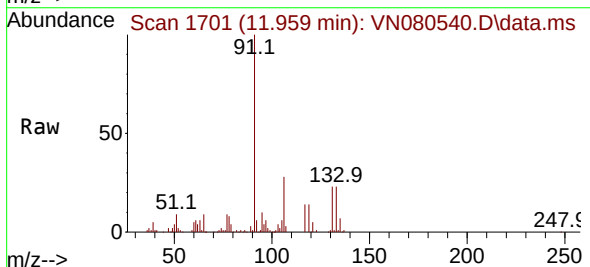
Manual Integrations
APPROVED

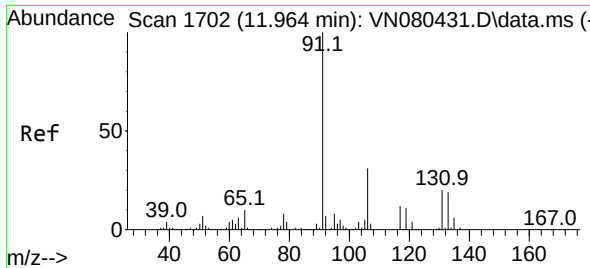
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 18.998 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

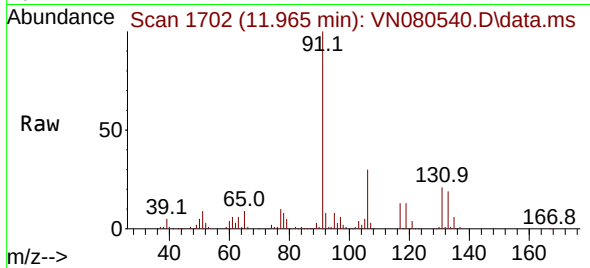
Tgt Ion:131 Resp: 62742
Ion Ratio Lower Upper
131 100
133 94.2 46.4 139.1
119 60.7 34.1 102.2





#67
Ethyl Benzene
Concen: 17.794 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

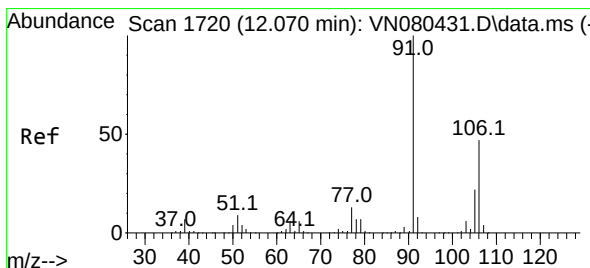
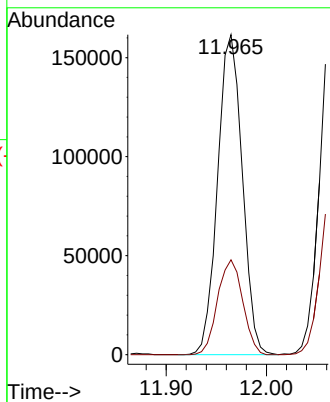
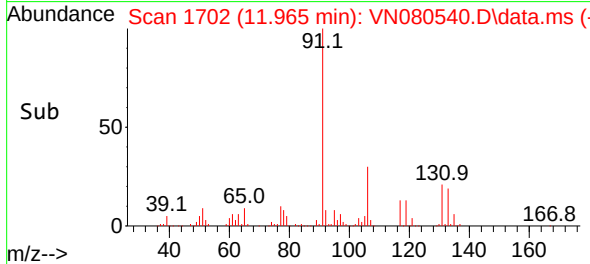
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



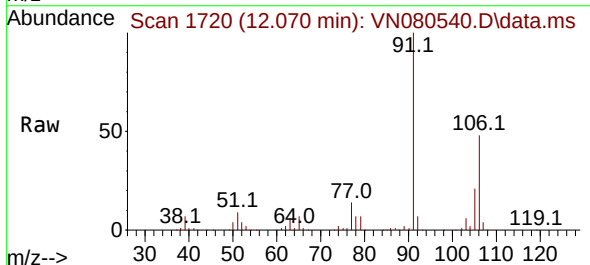
Tgt Ion: 91 Resp: 27539
Ion Ratio Lower Upper
91 100
106 29.7 25.6 38.4

Manual Integrations
APPROVED

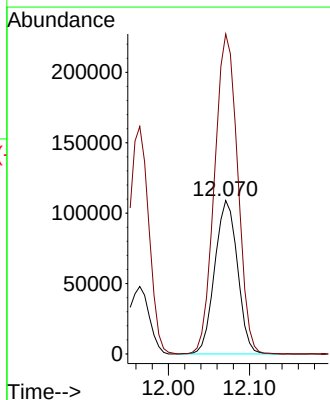
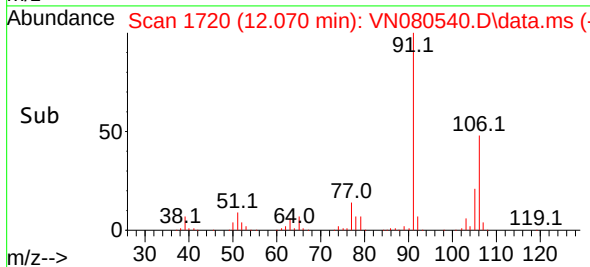
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

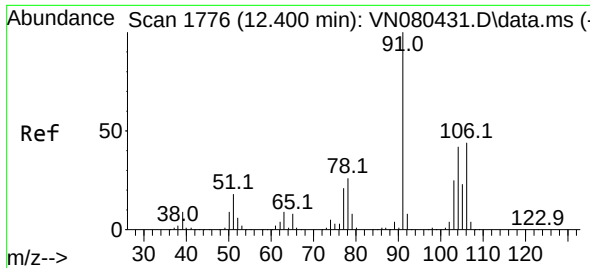


#68
m/p-Xylenes
Concen: 37.113 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



Tgt Ion:106 Resp: 212247
Ion Ratio Lower Upper
106 100
91 212.3 159.6 239.4





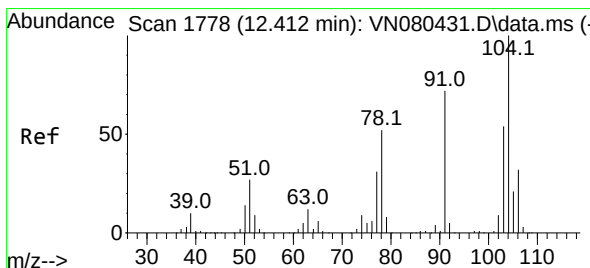
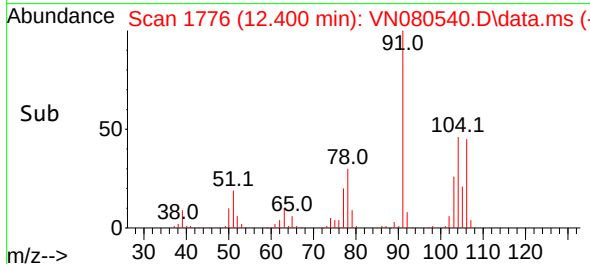
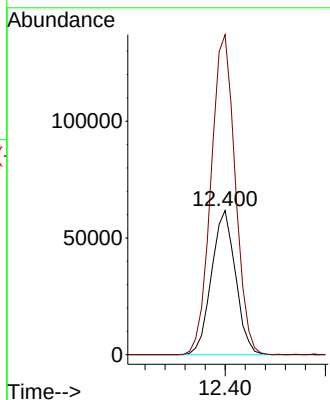
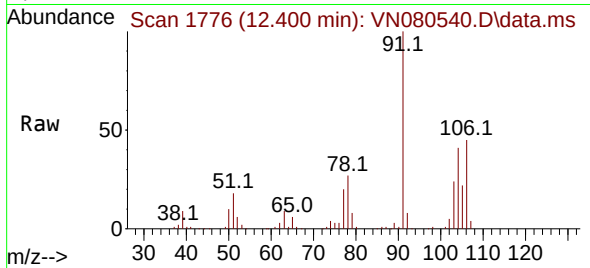
#69
o-Xylene
Concen: 18.323 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:106 Resp: 102495
Ion Ratio Lower Upper
106 100
91 224.1 105.2 315.5

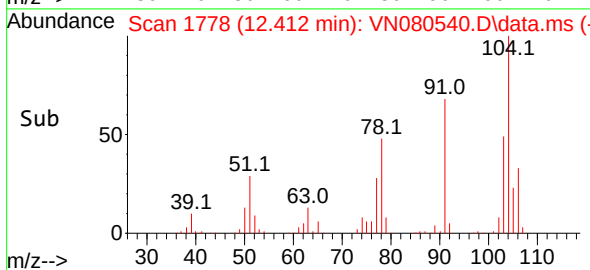
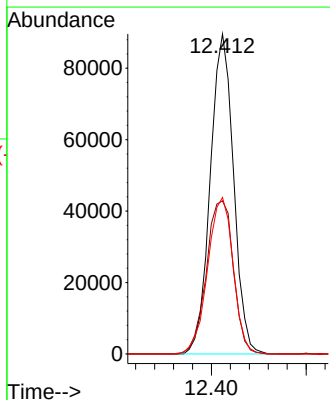
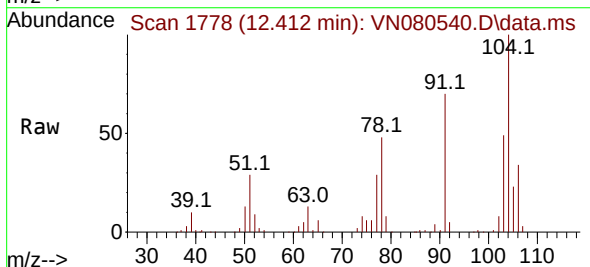
Manual Integrations
APPROVED

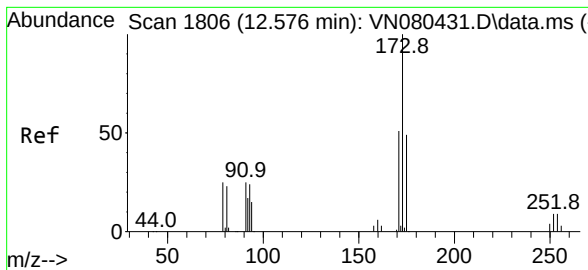
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#70
Styrene
Concen: 18.955 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

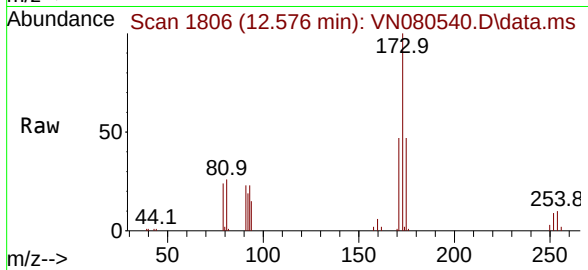
Tgt Ion:104 Resp: 152729
Ion Ratio Lower Upper
104 100
78 55.5 39.5 59.3
103 53.6 43.2 64.8





#71
Bromoform
Concen: 18.715 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

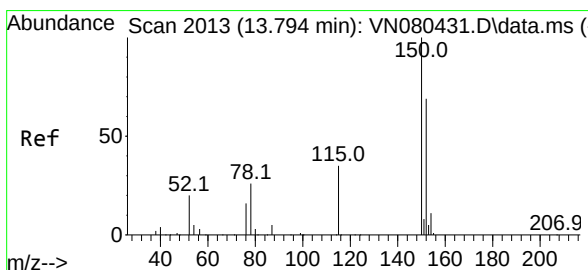
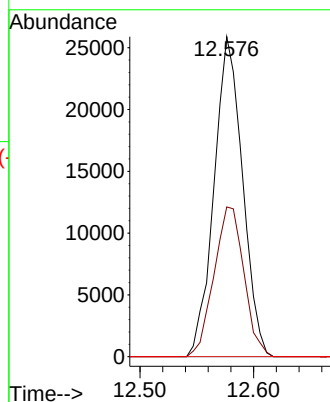
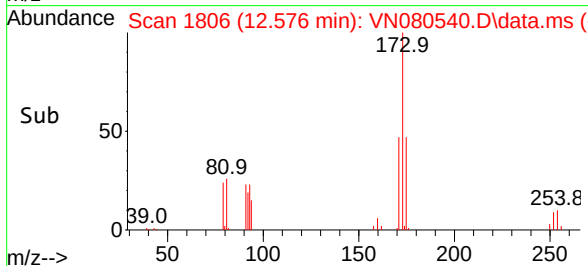
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



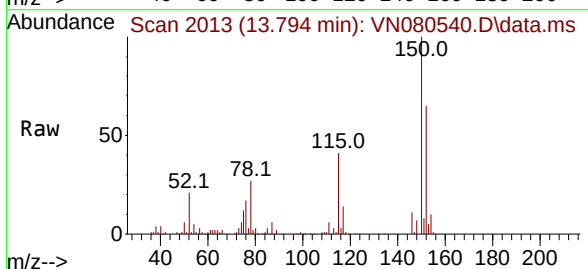
Tgt Ion:173 Resp: 45074
Ion Ratio Lower Upper
173 100
175 49.3 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

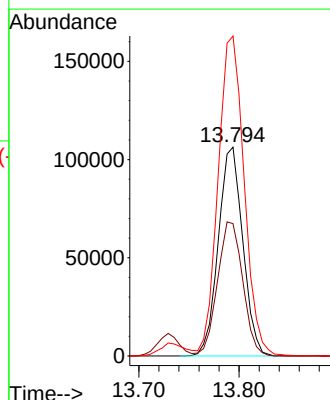
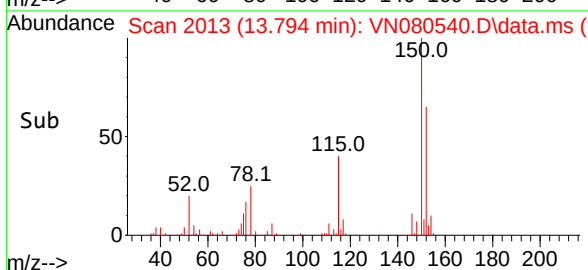
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

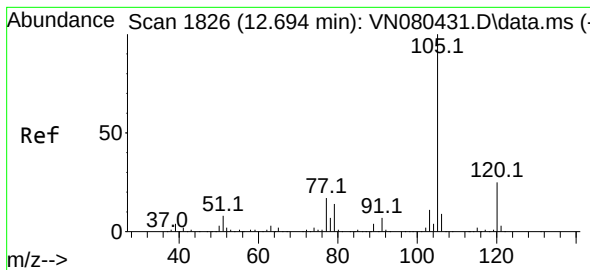


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



Tgt Ion:152 Resp: 180137
Ion Ratio Lower Upper
152 100
115 66.3 32.3 96.8
150 162.9 0.0 355.8





#73

Isopropylbenzene

Concen: 18.354 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tgt Ion:105 Resp: 26559

Ion Ratio Lower Upper

105 100

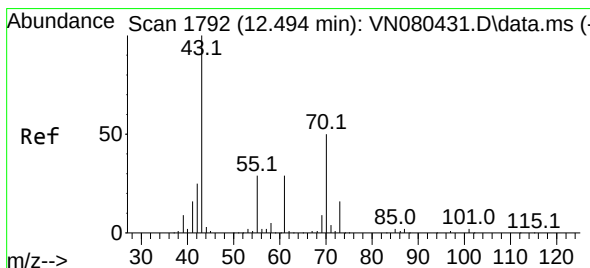
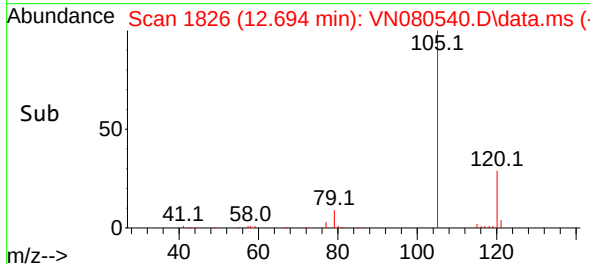
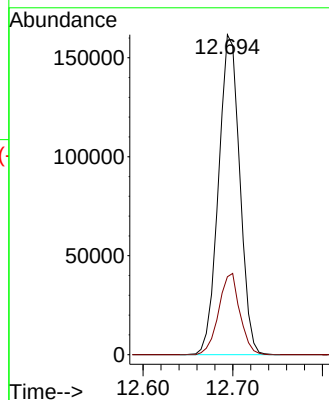
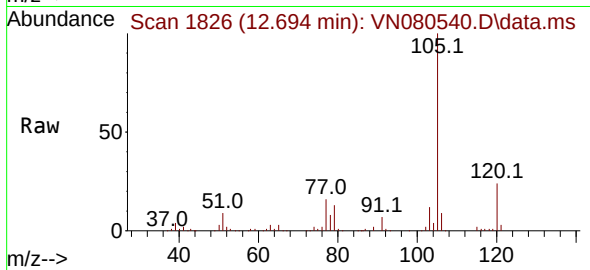
120 25.2 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#74

N-ethyl acetate

Concen: 17.811 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN080540.D

Acq: 20 Dec 2023 12:18

Tgt Ion: 43 Resp: 75265

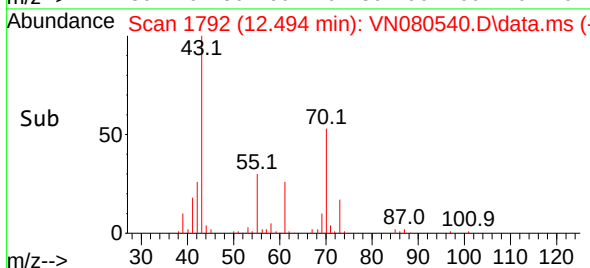
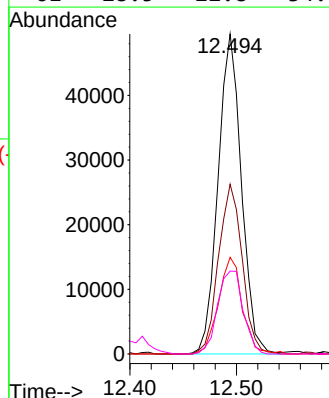
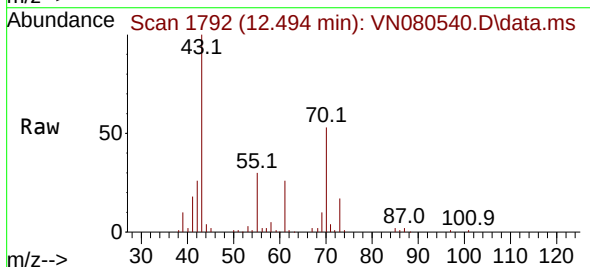
Ion Ratio Lower Upper

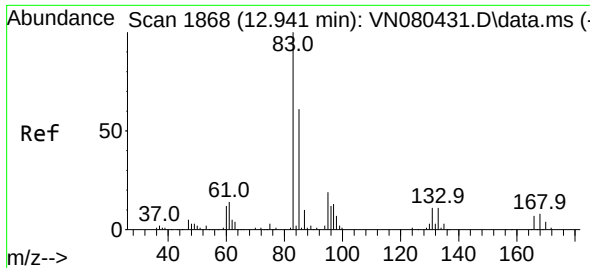
43 100

70 53.8 43.4 65.2

55 30.8 21.4 32.0

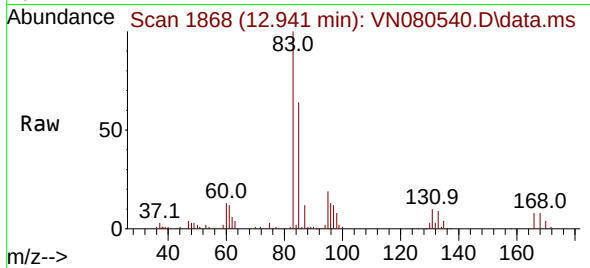
61 28.5 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.589 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

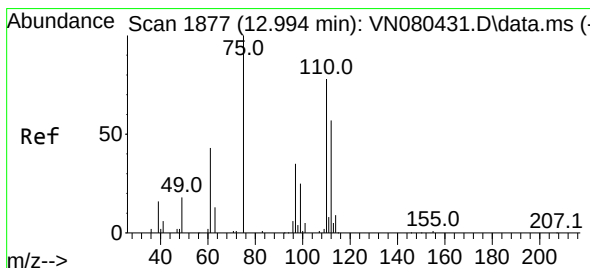
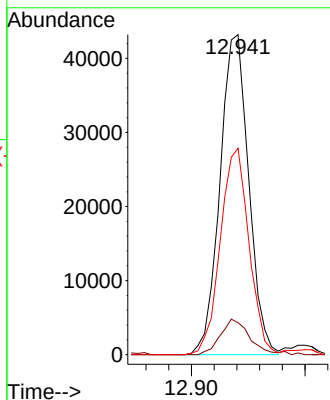
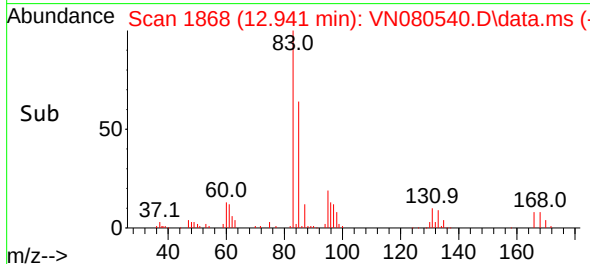
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



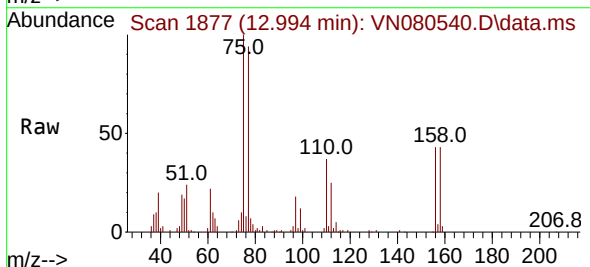
Tgt Ion: 83 Resp: 75960
Ion Ratio Lower Upper
83 100
131 11.4 5.0 15.0
85 64.2 31.9 95.7

Manual Integrations
APPROVED

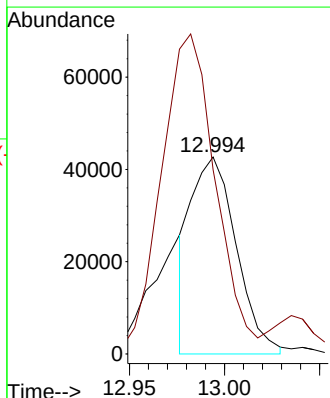
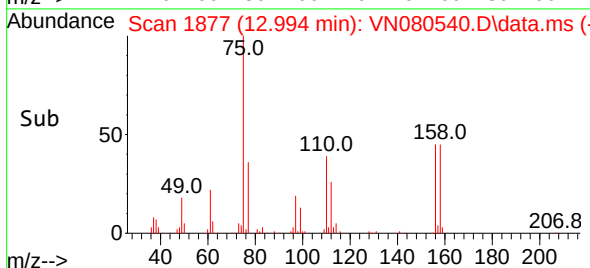
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

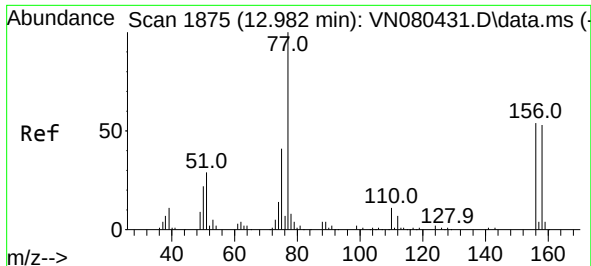


#76
1,2,3-Trichloropropane
Concen: 19.623 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



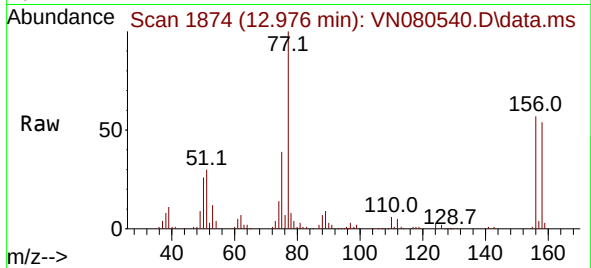
Tgt Ion: 75 Resp: 70519
Ion Ratio Lower Upper
75 100
77 195.5 84.5 253.5





#77
Bromobenzene
Concen: 18.072 ug/l
RT: 12.976 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

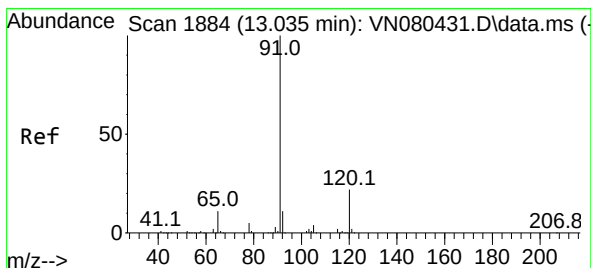
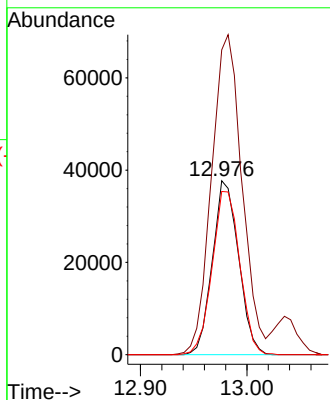
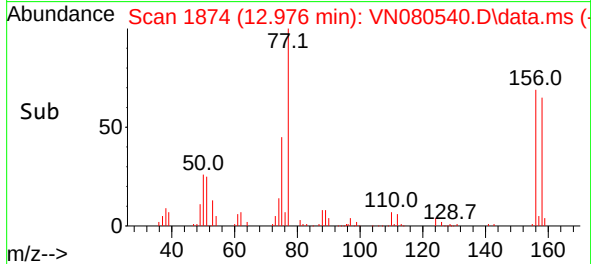
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



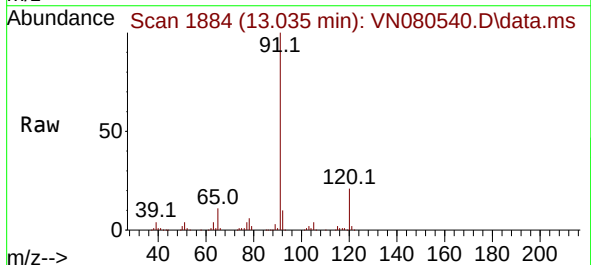
Tgt Ion:156 Resp: 6433
Ion Ratio Lower Upper
156 100
77 214.3 107.7 323.3
158 99.2 48.4 145.3

Manual Integrations
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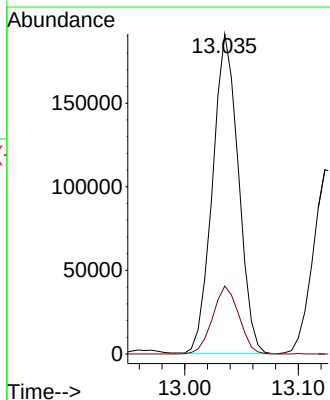
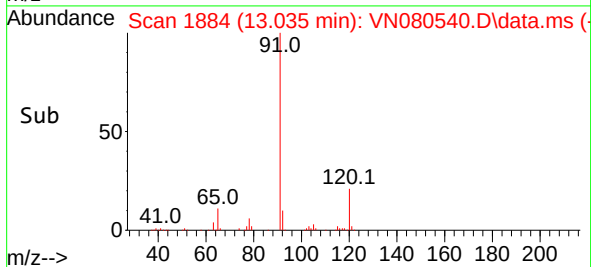
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

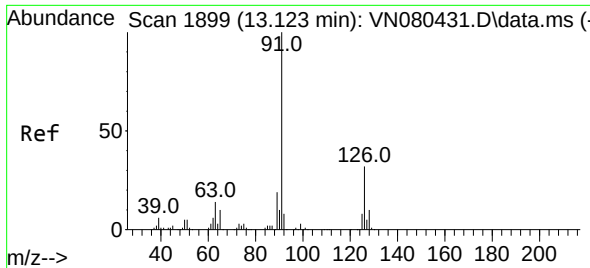


#78
n-propylbenzene
Concen: 18.938 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



Tgt Ion: 91 Resp: 302163
Ion Ratio Lower Upper
91 100
120 21.5 11.5 34.4





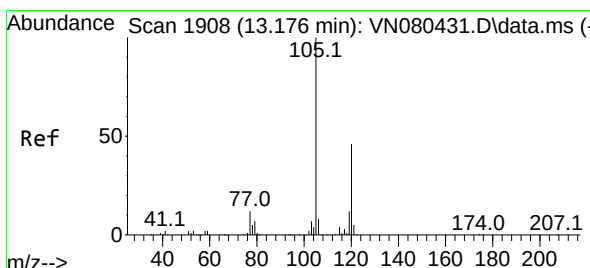
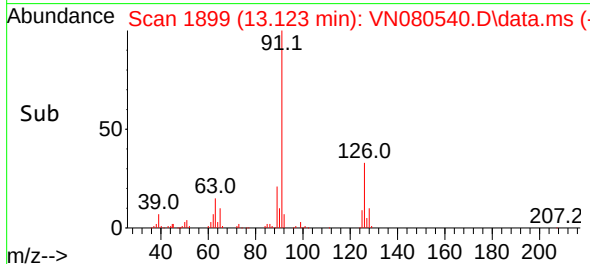
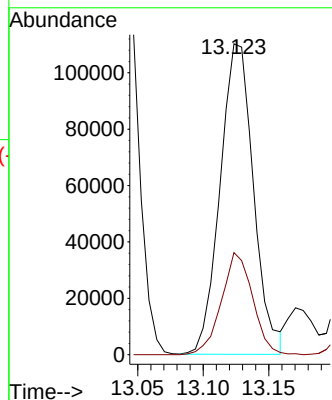
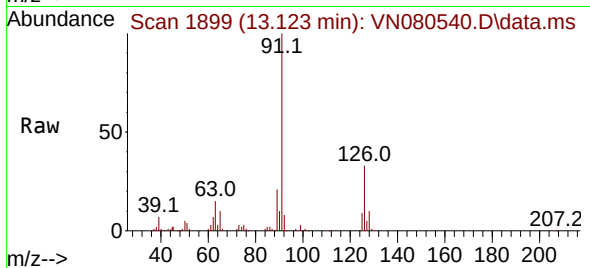
#79
2-Chlorotoluene
Concen: 18.766 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 91 Resp: 195472
Ion Ratio Lower Upper
91 100
126 30.7 16.3 48.8

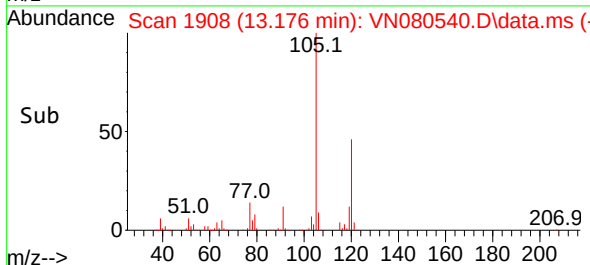
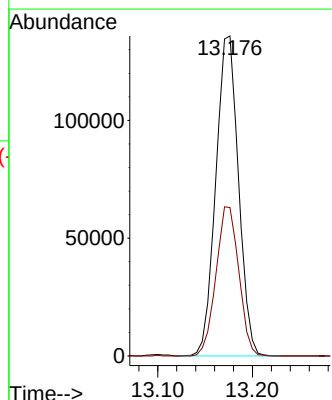
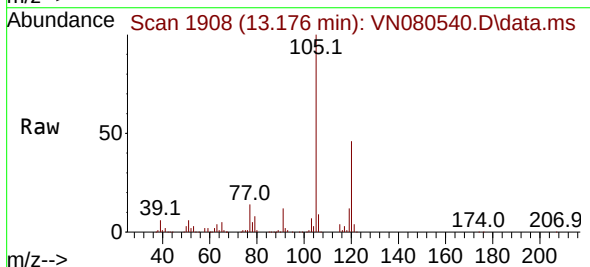
Manual Integrations
APPROVED

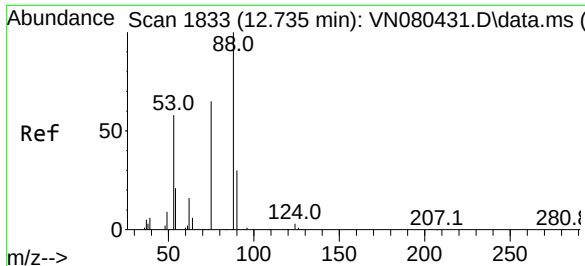
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#80
1,3,5-Trimethylbenzene
Concen: 18.170 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

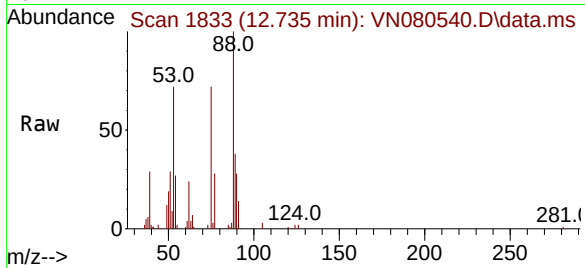
Tgt Ion:105 Resp: 226448
Ion Ratio Lower Upper
105 100
120 46.9 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 18.079 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

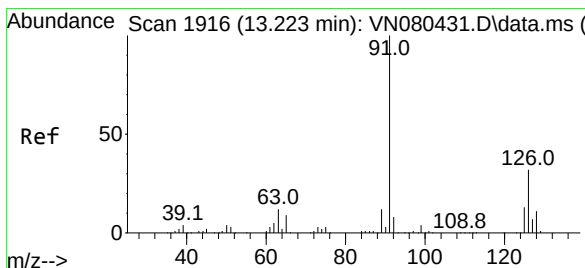
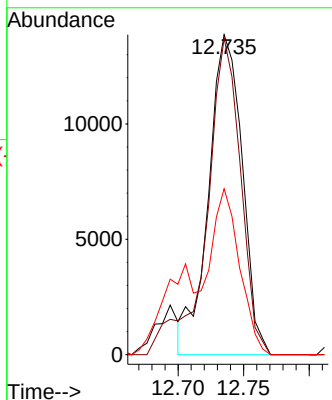
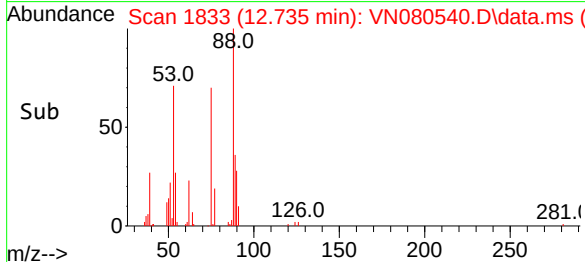
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



Tgt Ion: 75 Resp: 24749
Ion Ratio Lower Upper
75 100
53 100.1 67.4 101.2
89 46.9 38.8 58.2

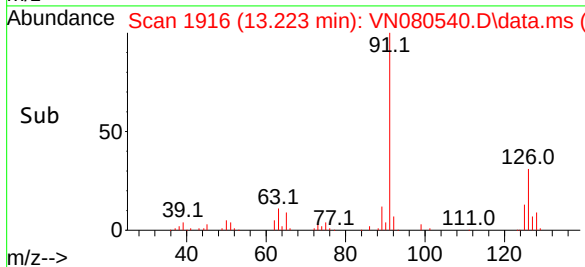
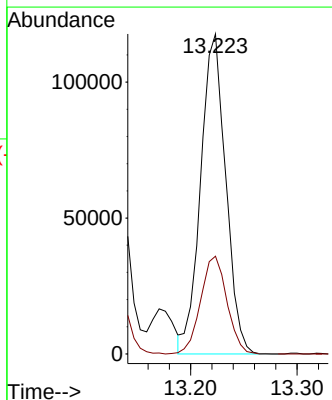
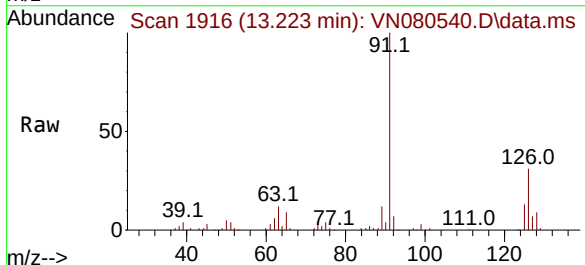
Manual Integrations
APPROVED

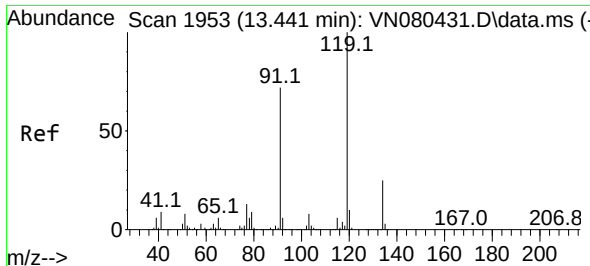
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#82
4-Chlorotoluene
Concen: 18.024 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

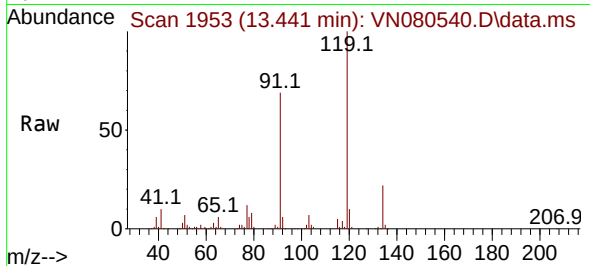
Tgt Ion: 91 Resp: 192975
Ion Ratio Lower Upper
91 100
126 32.0 16.7 50.0





#83
 tert-Butylbenzene
 Concen: 18.382 ug/l
 RT: 13.441 min Scan# 1953
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

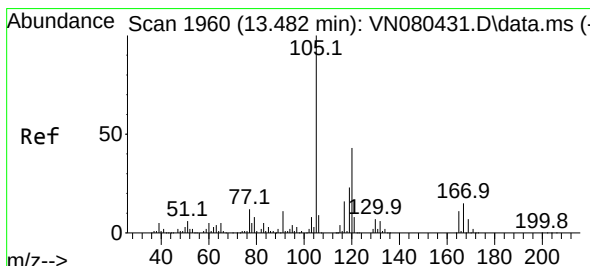
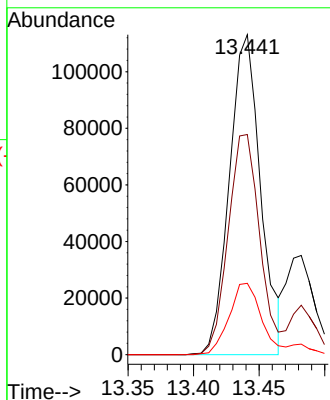
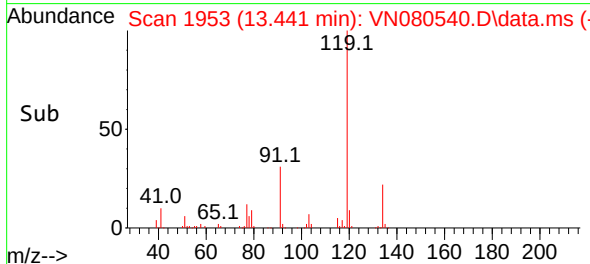
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01



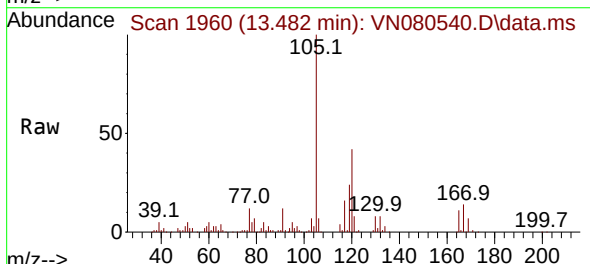
Tgt Ion:119 Resp: 187619
 Ion Ratio Lower Upper
 119 100
 91 69.3 33.9 101.7
 134 23.2 13.2 39.6

Manual Integrations
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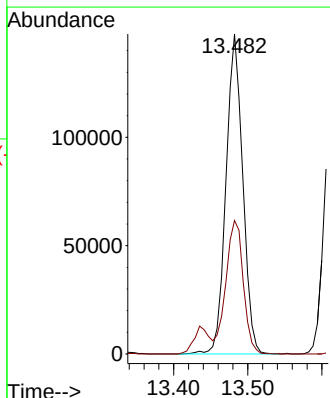
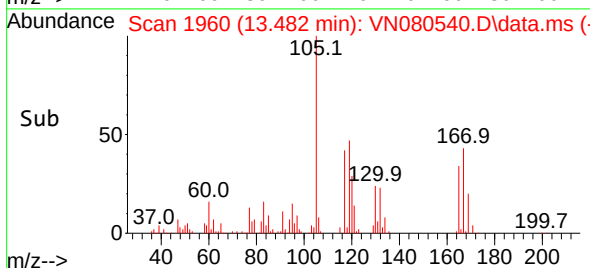
Reviewed By :John Carlone 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

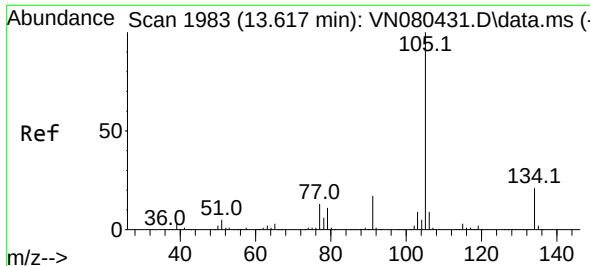


#84
 1,2,4-Trimethylbenzene
 Concen: 18.688 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18



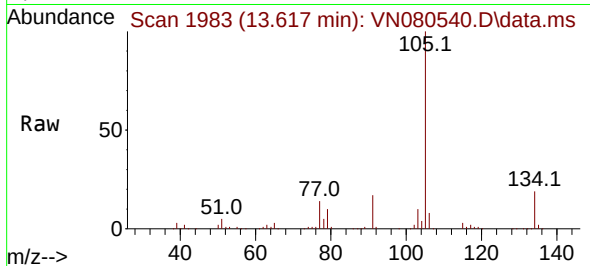
Tgt Ion:105 Resp: 231709
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 18.245 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

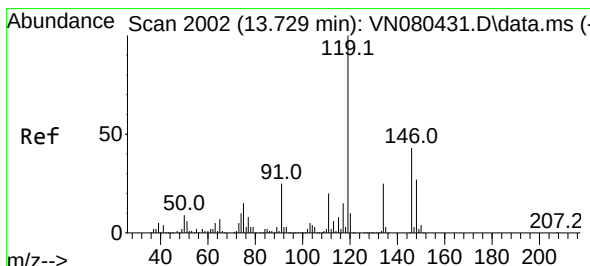
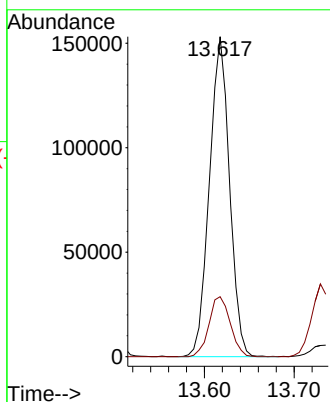
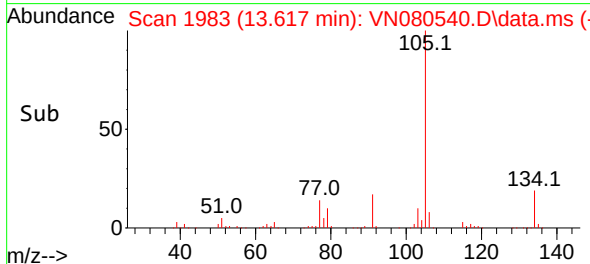
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01



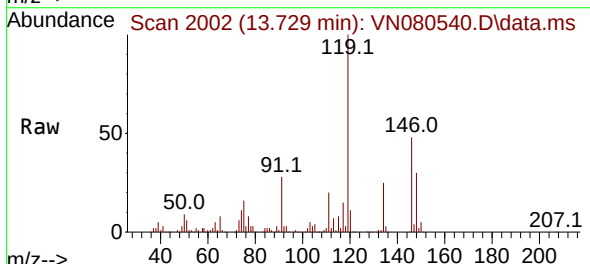
Tgt Ion:105 Resp: 238210
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.3

Manual Integrations
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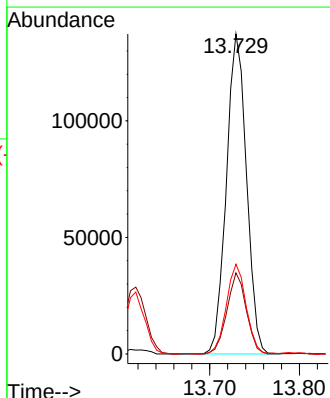
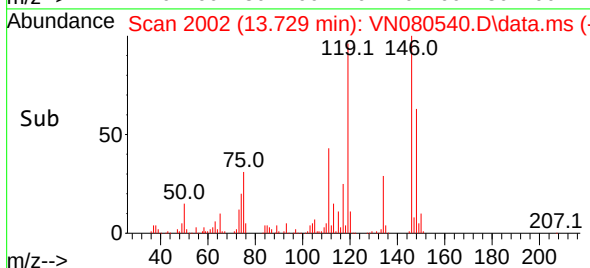
Reviewed By :John Carlone 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

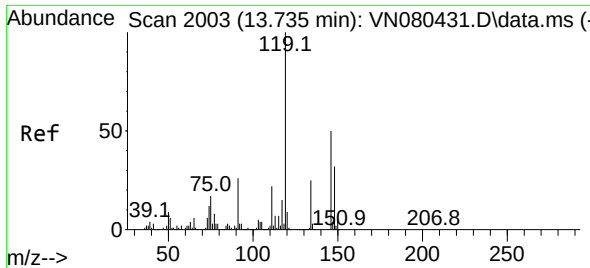


#86
 p-Isopropyltoluene
 Concen: 18.087 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18



Tgt Ion:119 Resp: 213225
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.6 37.8
 91 27.6 12.4 37.2





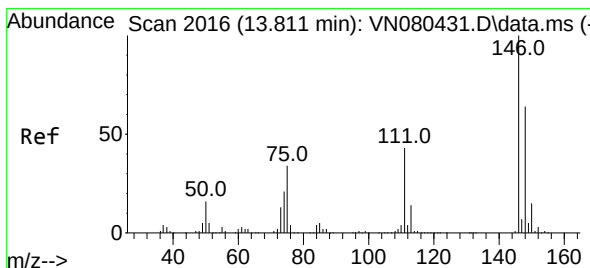
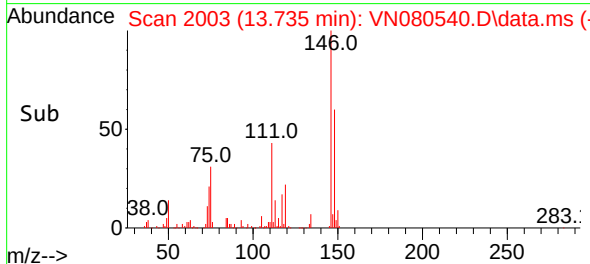
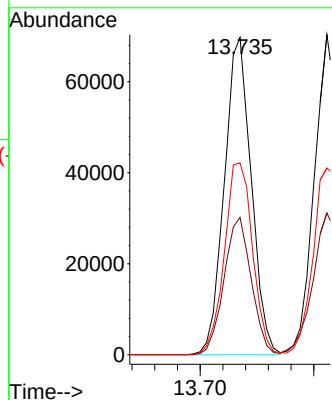
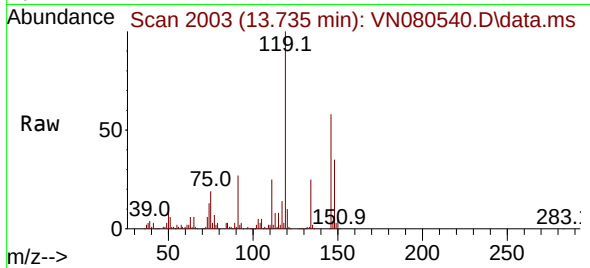
#87
 1,3-Dichlorobenzene
 Concen: 18.292 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Tgt Ion:146 Resp: 114725
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.1 66.3
 148 63.4 32.0 96.0

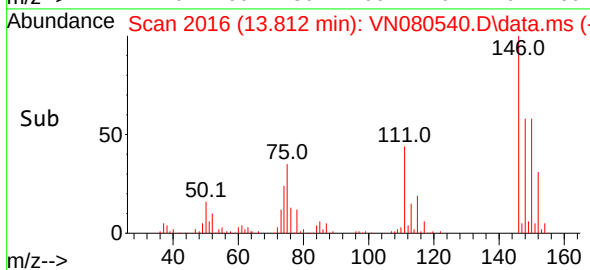
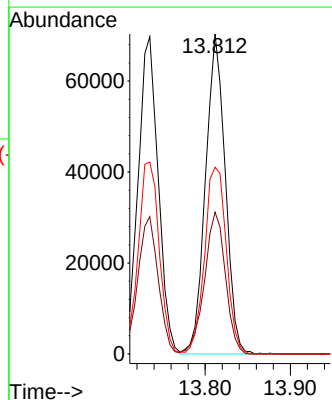
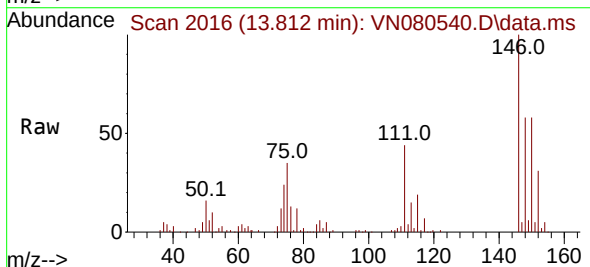
Manual Integrations
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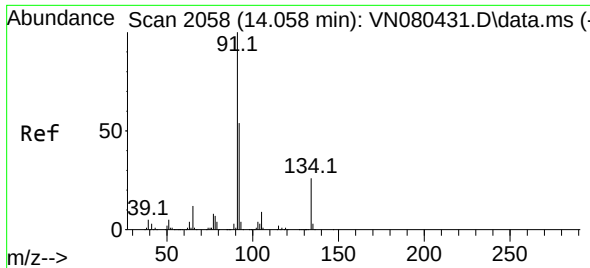
Reviewed By :John Carlone 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#88
 1,4-Dichlorobenzene
 Concen: 17.876 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

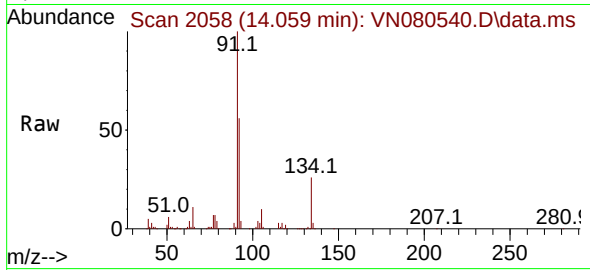
Tgt Ion:146 Resp: 113175
 Ion Ratio Lower Upper
 146 100
 111 47.1 20.6 61.8
 148 64.1 31.6 94.8





#89
n-Butylbenzene
Concen: 17.459 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

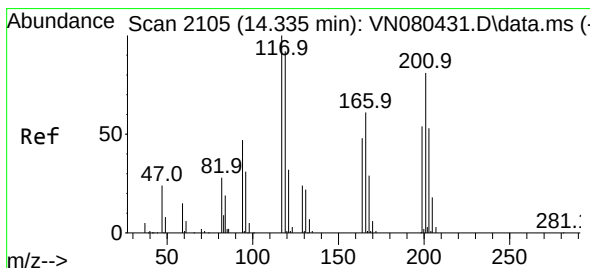
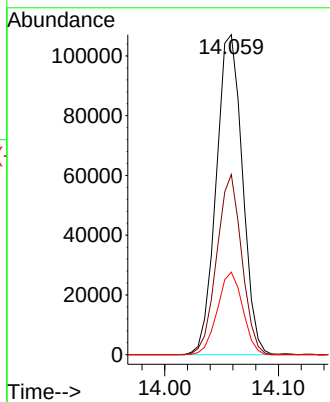
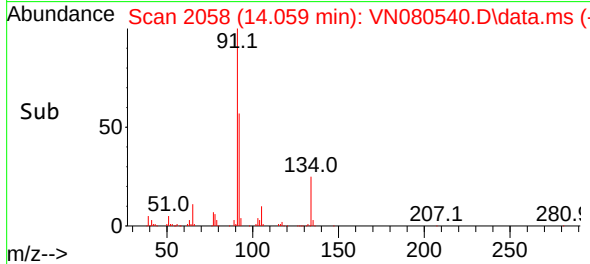
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



Tgt Ion: 91 Resp: 17188
Ion Ratio Lower Upper
91 100
92 53.6 26.4 79.0
134 24.9 12.6 37.6

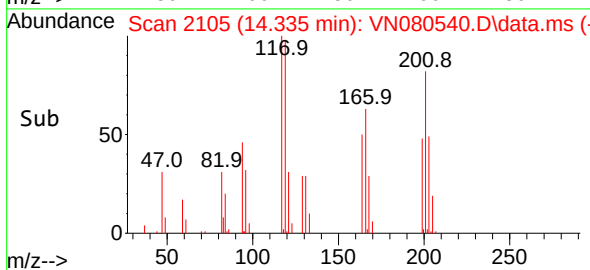
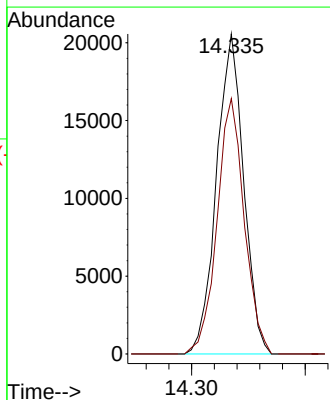
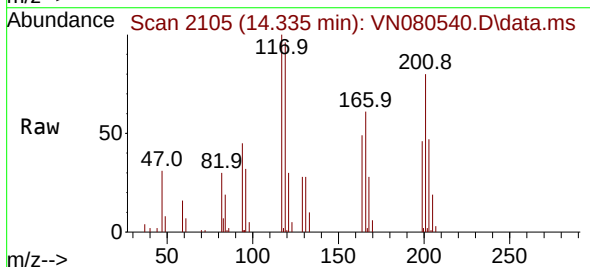
Manual Integrations
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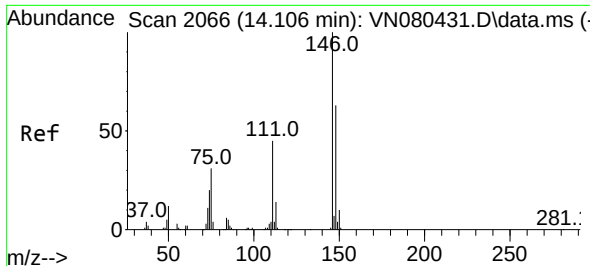
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#90
Hexachloroethane
Concen: 18.226 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

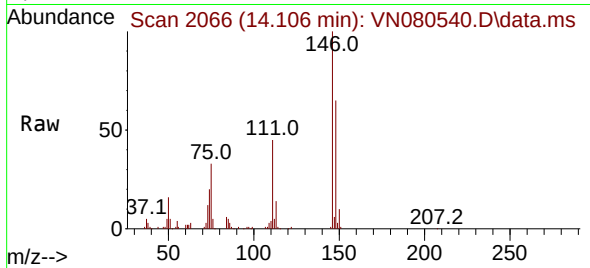
Tgt Ion:117 Resp: 34124
Ion Ratio Lower Upper
117 100
201 80.0 29.3 88.0





#91
1,2-Dichlorobenzene
Concen: 18.431 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

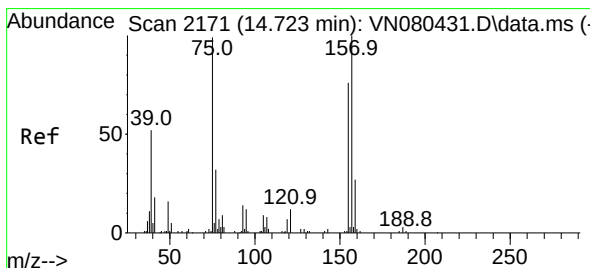
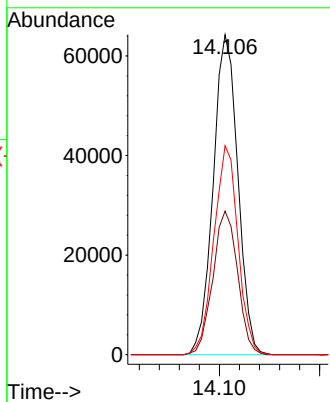
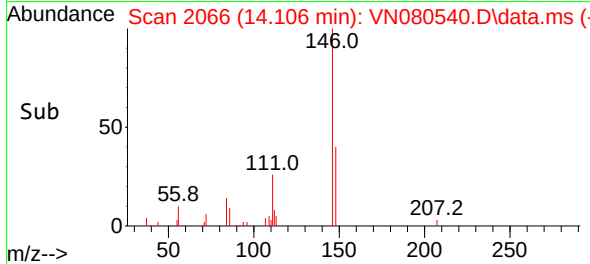
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



Tgt Ion:146 Resp: 109770
Ion Ratio Lower Upper
146 100
111 45.0 22.0 66.0
148 64.0 31.8 95.3

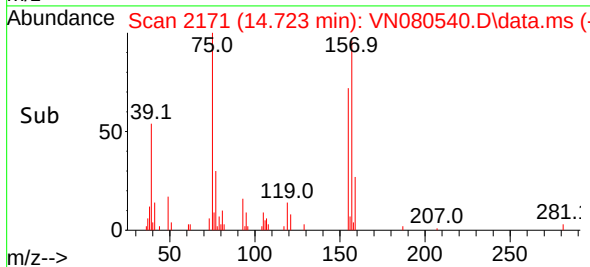
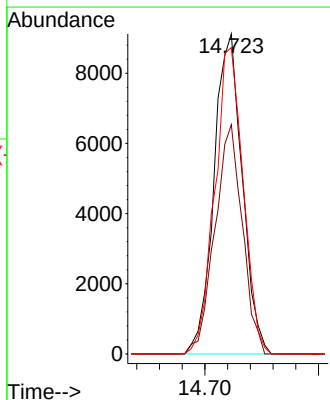
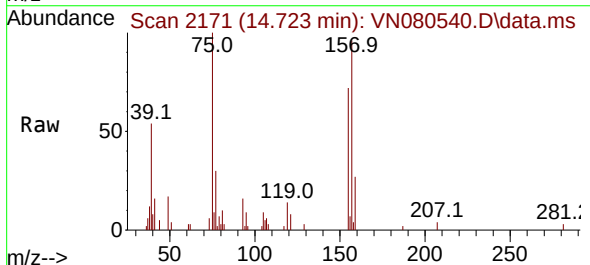
Manual Integrations
APPROVED

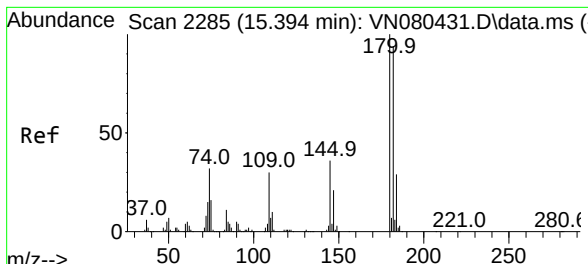
Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.289 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

Tgt Ion: 75 Resp: 15733
Ion Ratio Lower Upper
75 100
155 69.9 39.1 117.2
157 96.0 50.3 150.9





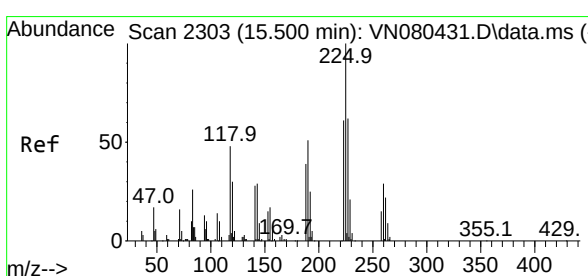
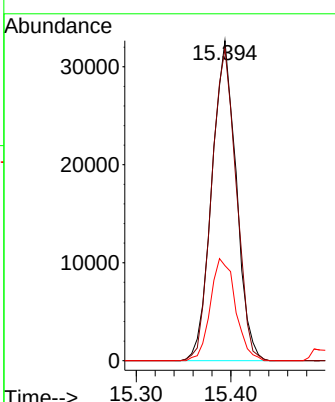
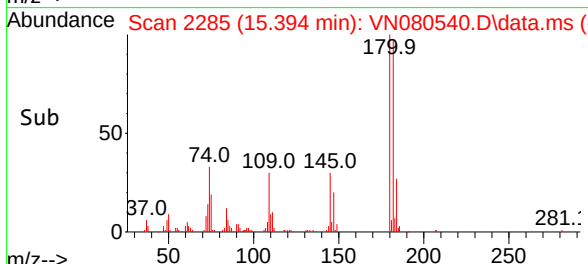
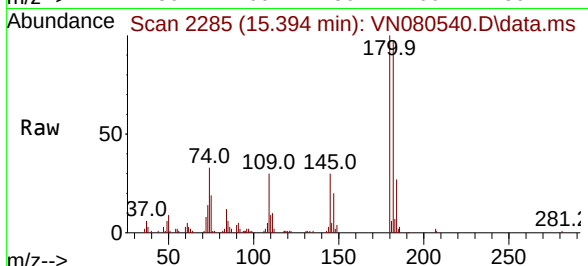
#93
 1,2,4-Trichlorobenzene
 Concen: 17.632 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

Instrument : MSVOA_N
 ClientSampleId : VN1220WBS01

Tgt Ion:	180	Resp:	5830
Ion Ratio	Lower	Upper	
180	100		
182	98.1	46.1	138.2
145	32.9	16.6	49.8

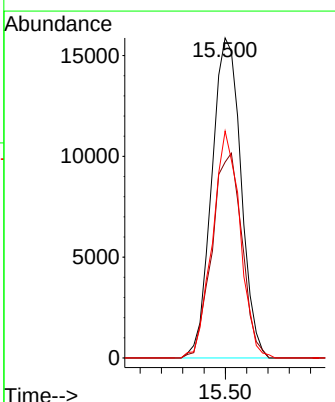
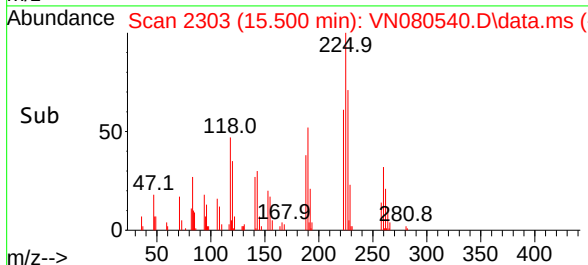
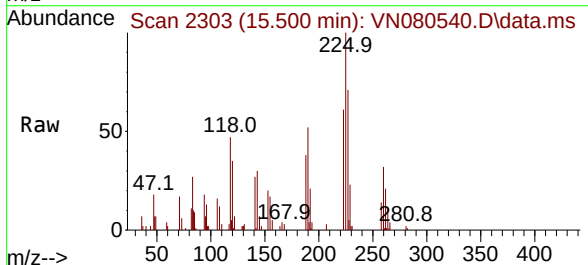
Manual Integrations
 APPROVED

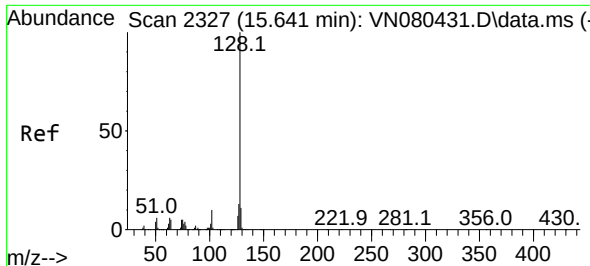
Reviewed By :John Carlone 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#94
 Hexachlorobutadiene
 Concen: 16.033 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VN080540.D
 Acq: 20 Dec 2023 12:18

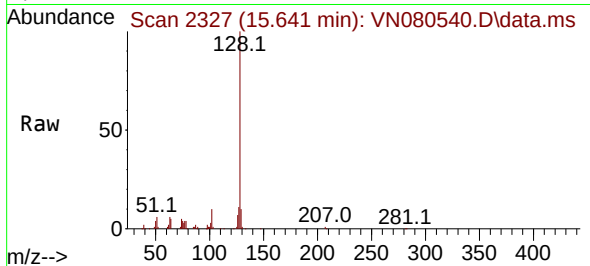
Tgt Ion:	225	Resp:	30183
Ion Ratio	Lower	Upper	
225	100		
223	65.8	31.3	93.8
227	67.2	31.9	95.9





#95
Naphthalene
Concen: 17.724 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18

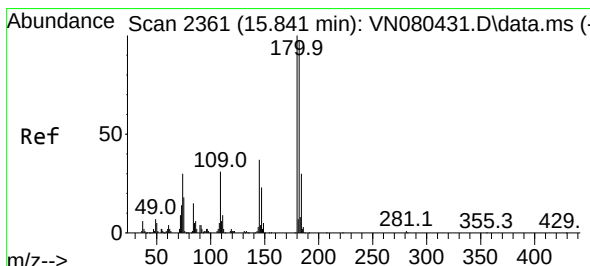
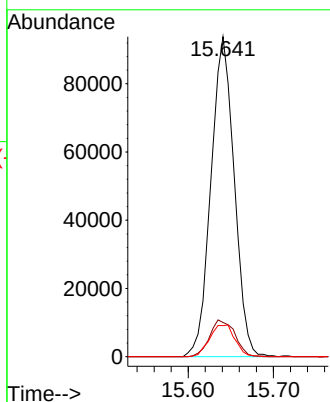
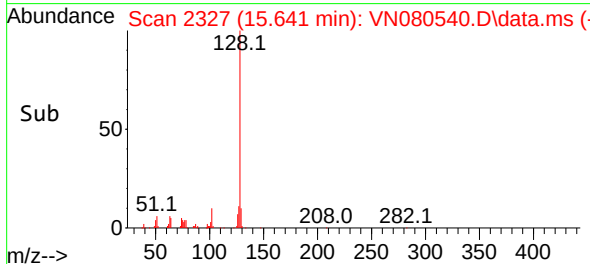
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01



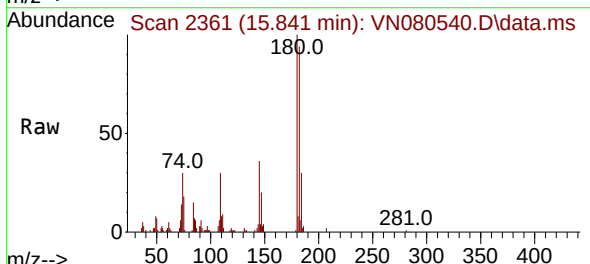
Tgt Ion:128 Resp: 177968
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.8 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#96
1,2,3-Trichlorobenzene
Concen: 18.108 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN080540.D
Acq: 20 Dec 2023 12:18



Tgt Ion:180 Resp: 57782
Ion Ratio Lower Upper
180 100
182 93.5 46.2 138.6
145 35.6 17.5 52.6

