

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080441.D
 Acq On : 12 Dec 2023 16:40
 Operator : JC\MD
 Sample : VN1212WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

Quant Time: Dec 13 02:33:12 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/13/2023
 Supervised By : Mahesh Dadoda 12/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	302292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	478416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	426565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	197637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	201426	52.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.340%			
35) Dibromofluoromethane	8.165	113	151613	49.982	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.960%			
50) Toluene-d8	10.565	98	575964	50.912	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	12.847	95	211730	49.288	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	74055	19.170	ug/l	100
3) Chloromethane	2.365	50	73648	17.943	ug/l	100
4) Vinyl Chloride	2.512	62	59656	18.083	ug/l	96
5) Bromomethane	2.959	94	27565	18.532	ug/l	98
6) Chloroethane	3.124	64	38842	18.322	ug/l	90
7) Trichlorofluoromethane	3.500	101	124268	18.571	ug/l	97
8) Diethyl Ether	3.959	74	40226	19.086	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	59248	18.681	ug/l	96
10) Methyl Iodide	4.583	142	46798	16.775	ug/l	92
11) Tert butyl alcohol	5.518	59	42553	93.582	ug/l #	93
12) 1,1-Dichloroethene	4.336	96	58019	17.854	ug/l	91
13) Acrolein	4.177	56	35197	70.680	ug/l	96
14) Allyl chloride	5.012	41	72966	18.148	ug/l	95
15) Acrylonitrile	5.718	53	126479	98.441	ug/l	97
16) Acetone	4.418	43	79654	116.352	ug/l	92
17) Carbon Disulfide	4.712	76	157274	17.077	ug/l	99
18) Methyl Acetate	5.018	43	84373	19.154	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	206787	19.073	ug/l	99
20) Methylene Chloride	5.271	84	64849	17.700	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	64873	18.411	ug/l	86
22) Diisopropyl ether	6.671	45	162608	18.738	ug/l	94
23) Vinyl Acetate	6.600	43	455510	91.394	ug/l	94
24) 1,1-Dichloroethane	6.565	63	112720	18.618	ug/l	97
25) 2-Butanone	7.483	43	135570	102.797	ug/l	89
26) 2,2-Dichloropropane	7.494	77	110991	17.928	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	73480	18.423	ug/l	90
28) Bromochloromethane	7.812	49	44424	19.110	ug/l	98
29) Tetrahydrofuran	7.841	42	89110	94.359	ug/l	93
30) Chloroform	7.965	83	126611	18.839	ug/l	93
31) Cyclohexane	8.259	56	91991	17.520	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	123827	18.818	ug/l	96
36) 1,1-Dichloropropene	8.377	75	92922	18.735	ug/l	97
37) Ethyl Acetate	7.559	43	60388	19.444	ug/l	95
38) Carbon Tetrachloride	8.365	117	109670	18.506	ug/l	95
39) Methylcyclohexane	9.600	83	91795	17.816	ug/l	95
40) Benzene	8.606	78	265790	18.558	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	34241	19.124	ug/l	93
42) 1,2-Dichloroethane	8.671	62	102122	19.255	ug/l	97
43) Isopropyl Acetate	8.688	43	104035	18.630	ug/l	96
44) Trichloroethene	9.353	130	70741	18.322	ug/l	92
45) 1,2-Dichloropropane	9.624	63	61793	18.370	ug/l #	83
46) Dibromomethane	9.712	93	45126	18.681	ug/l #	89
47) Bromodichloromethane	9.888	83	98893	19.102	ug/l	99
48) Methyl methacrylate	9.682	41	62736	18.826	ug/l	91
49) 1,4-Dioxane	9.694	88	17133	339.193	ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	297904	96.863	ug/l	100
52) Toluene	10.635	92	169841	18.772	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	104563	18.667	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	108226	18.076	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	64556	19.830	ug/l	99
56) Ethyl methacrylate	10.876	69	66022	18.317	ug/l	90
57) 1,3-Dichloropropane	11.165	76	109708	19.224	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	228605	100.467	ug/l	98
59) 2-Hexanone	11.194	43	217680	95.874	ug/l	99
60) Dibromochloromethane	11.359	129	73022	18.929	ug/l	100
61) 1,2-Dibromoethane	11.470	107	65430	19.419	ug/l	97
64) Tetrachloroethene	11.106	164	61495	18.672	ug/l	96
65) Chlorobenzene	11.894	112	178497	18.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	69042	18.543	ug/l	96
67) Ethyl Benzene	11.965	91	319847	18.332	ug/l	97
68) m/p-Xylenes	12.070	106	241818	37.506	ug/l	90
69) o-Xylene	12.394	106	115074	18.247	ug/l	87
70) Styrene	12.412	104	173580	19.109	ug/l	94
71) Bromoform	12.582	173	48960	18.032	ug/l #	100
73) Isopropylbenzene	12.694	105	302425	19.048	ug/l	99
74) N-amyl acetate	12.494	43	86410	18.638	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	81070	19.056	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	76324m	19.358	ug/l	
77) Bromobenzene	12.982	156	73925	18.928	ug/l	95
78) n-propylbenzene	13.035	91	329262	18.810	ug/l	100
79) 2-Chlorotoluene	13.123	91	212971	18.635	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	258616	18.913	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	27721	18.460	ug/l #	86
82) 4-Chlorotoluene	13.223	91	221689	18.872	ug/l	96
83) tert-Butylbenzene	13.441	119	214657	19.169	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	258628	19.012	ug/l	97
85) sec-Butylbenzene	13.617	105	265573	18.539	ug/l	100
86) p-Isopropyltoluene	13.729	119	238683	18.453	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	124225	18.053	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	125750	18.103	ug/l	97
89) n-Butylbenzene	14.059	91	188331	17.435	ug/l	97
90) Hexachloroethane	14.335	117	35049	17.062	ug/l	67
91) 1,2-Dichlorobenzene	14.106	146	119605	18.304	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16413	18.341	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	63598	17.530	ug/l	95
94) Hexachlorobutadiene	15.500	225	33507	16.223	ug/l	99
95) Naphthalene	15.641	128	200424	18.193	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	63562	18.156	ug/l	99

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

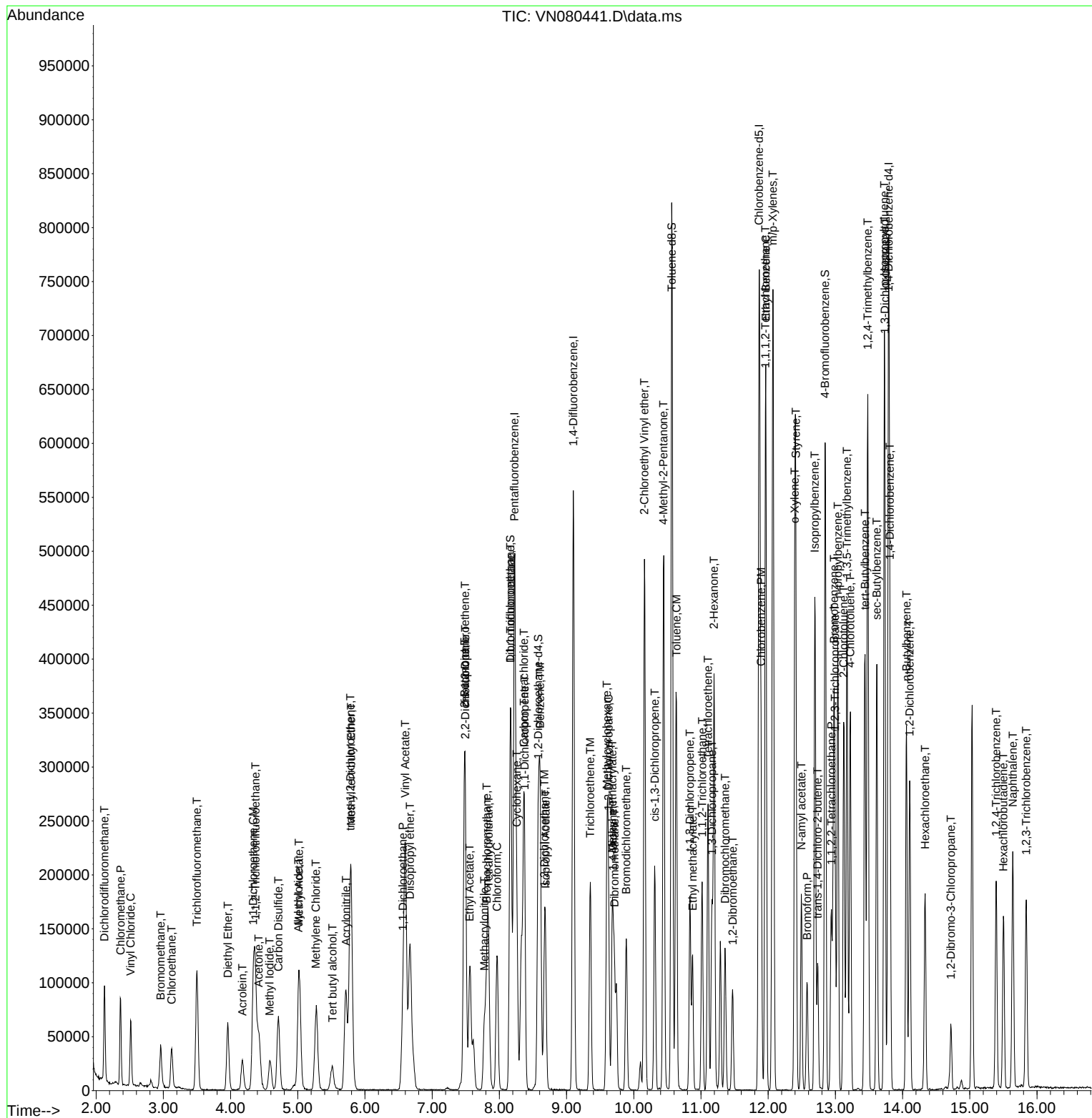
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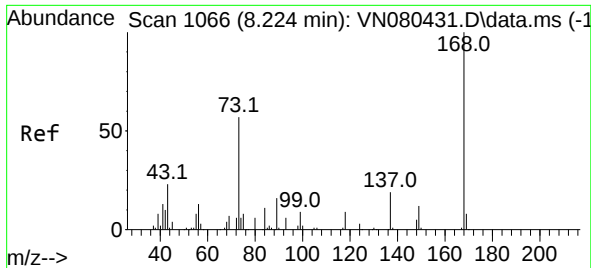
Instrument :
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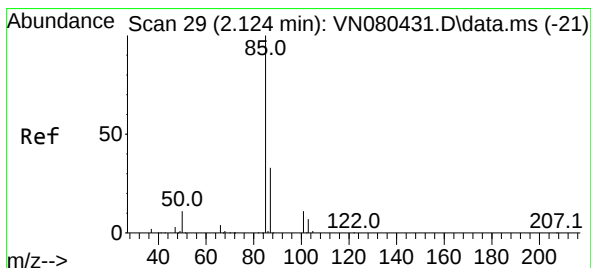
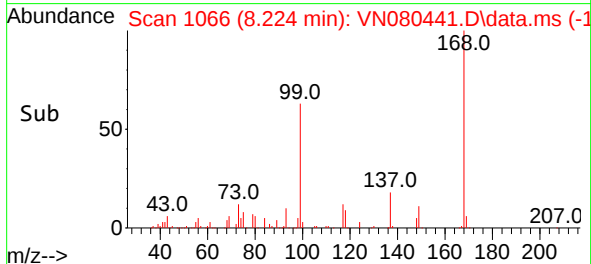
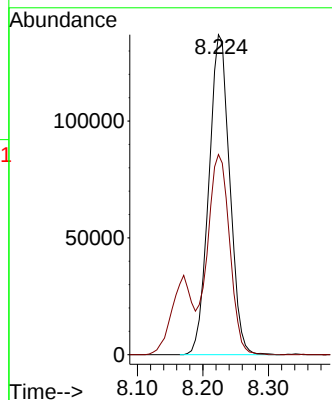
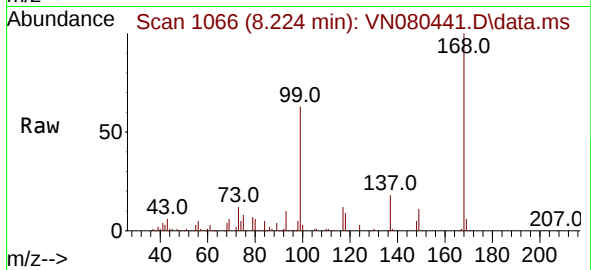
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion:168 Resp: 302292
Ion Ratio Lower Upper
168 100
99 62.6 53.0 79.6

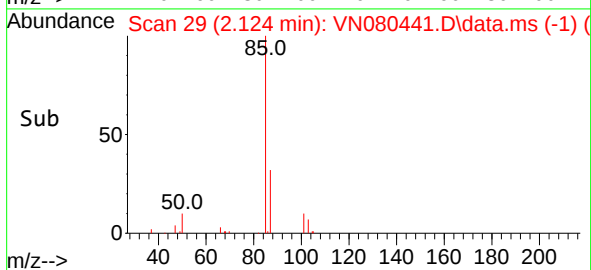
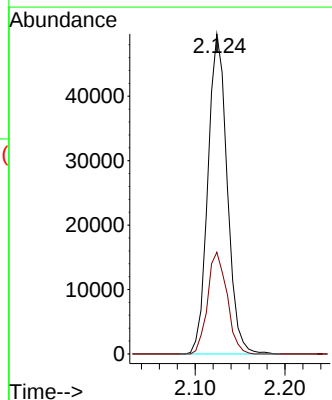
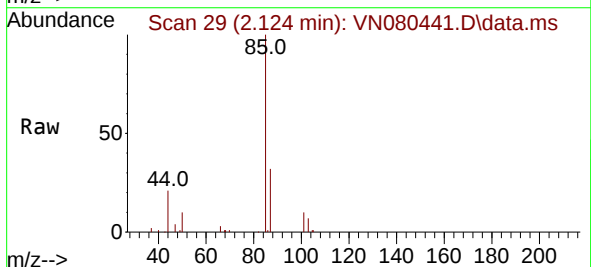
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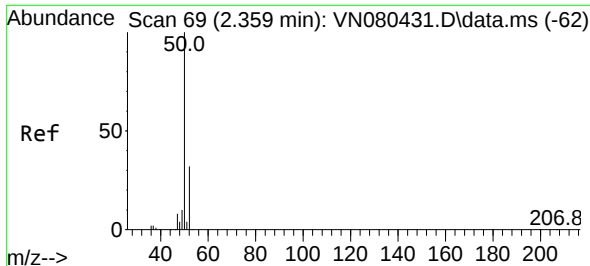
Reviewed By :John Carlone 12/13/2023
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#2
Dichlorodifluoromethane
Concen: 19.170 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

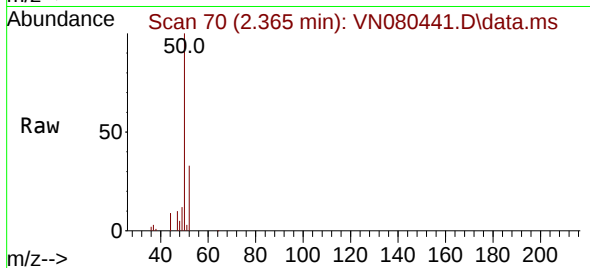
Tgt Ion: 85 Resp: 74055
Ion Ratio Lower Upper
85 100
87 31.8 15.8 47.4





#3
Chloromethane
Concen: 17.943 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

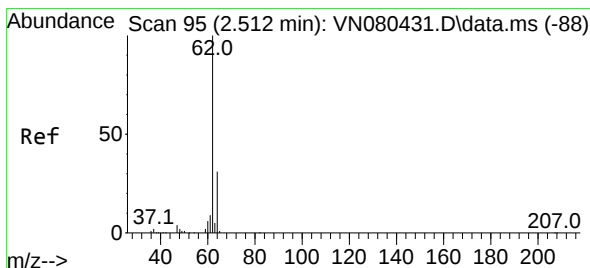
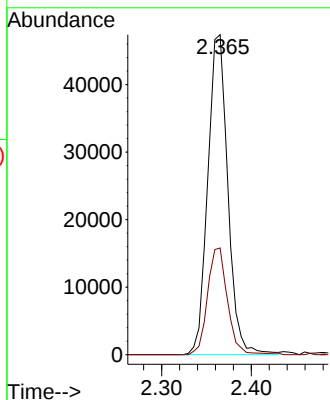
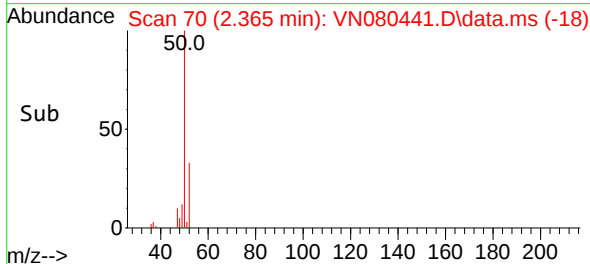
Instrument :
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VN1212WBS01



Tgt Ion: 50 Resp: 73648
Ion Ratio Lower Upper
50 100
52 33.4 26.5 39.7

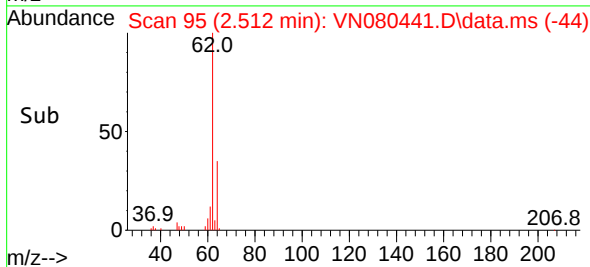
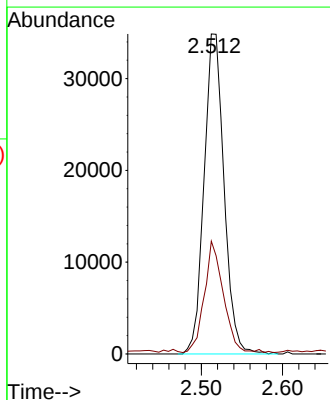
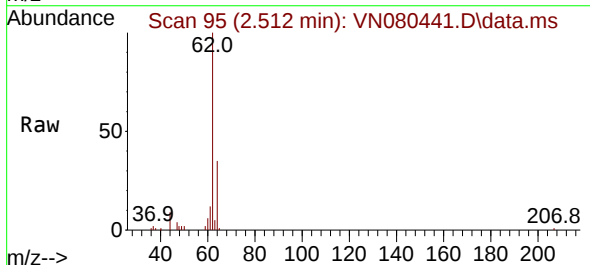
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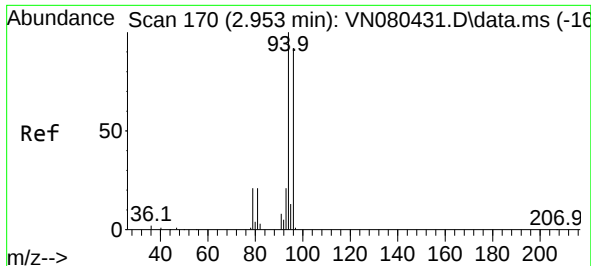
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#4
Vinyl Chloride
Concen: 18.083 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

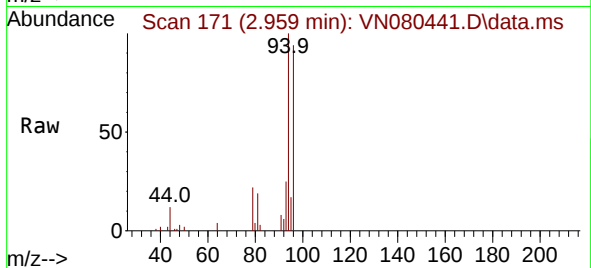
Tgt Ion: 62 Resp: 59656
Ion Ratio Lower Upper
62 100
64 34.7 26.2 39.2





#5
Bromomethane
Concen: 18.532 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

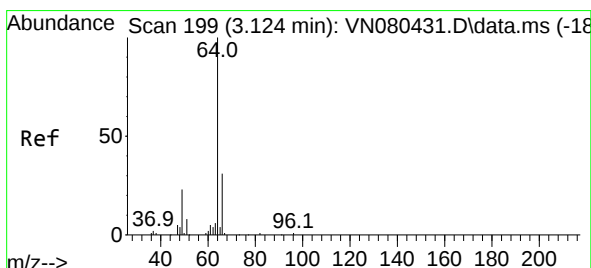
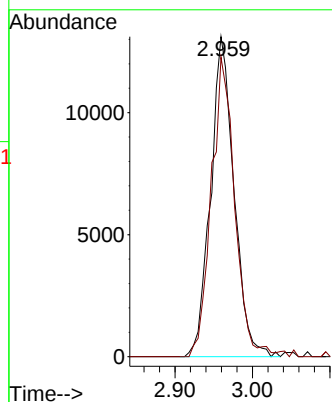
Instrument :
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Tgt Ion: 94 Resp: 2756
Ion Ratio Lower Upper
94 100
96 93.6 73.1 109.7

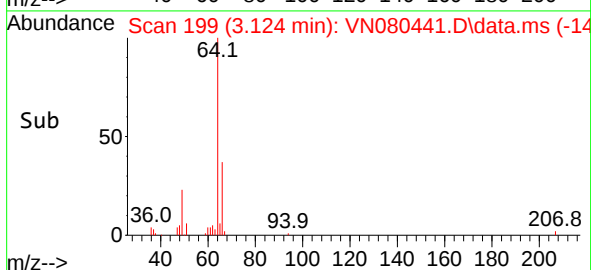
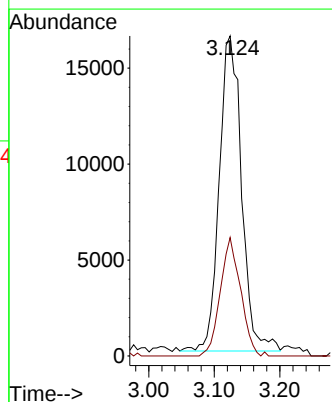
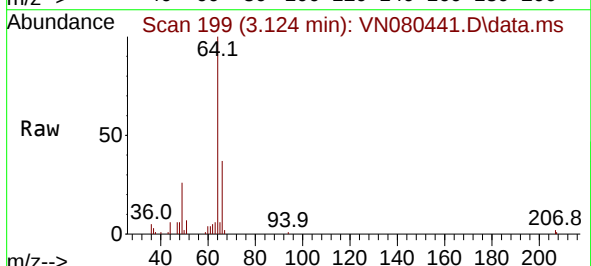
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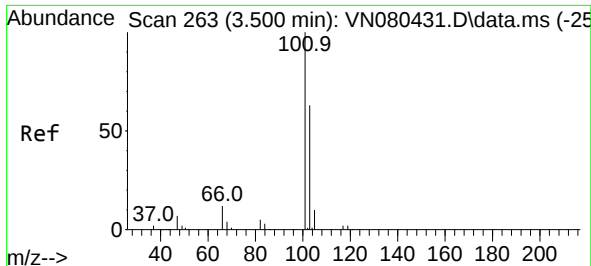
Reviewed By :John Carlone 12/13/2023
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#6
Chloroethane
Concen: 18.322 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

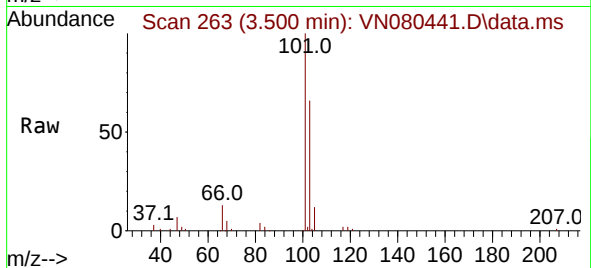
Tgt Ion: 64 Resp: 38842
Ion Ratio Lower Upper
64 100
66 37.6 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 18.571 ug/l
 RT: 3.500 min Scan# 263
 Delta R.T. 0.000 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40

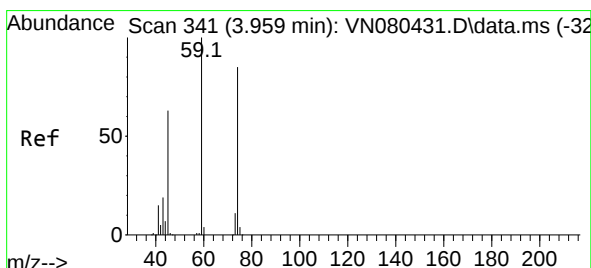
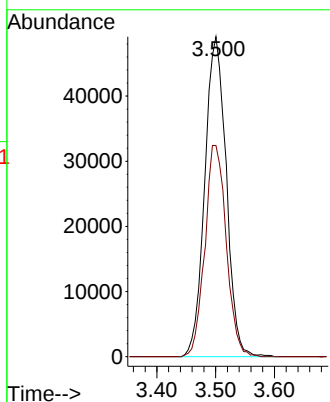
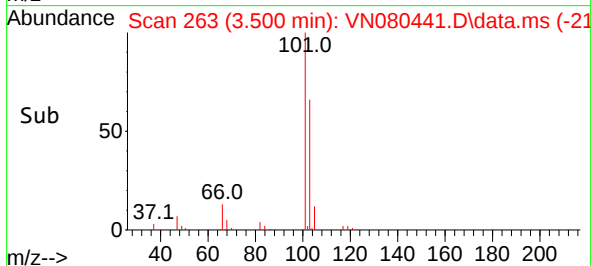
Instrument :
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Tgt Ion:101 Resp: 12426
 Ion Ratio Lower Upper
 101 100
 103 66.0 50.7 76.1

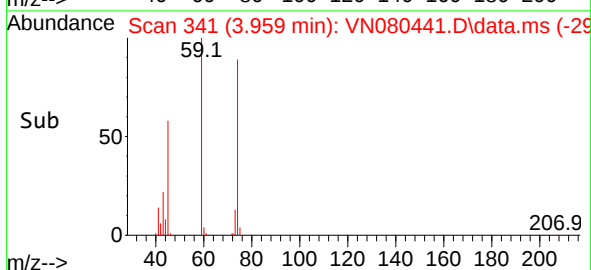
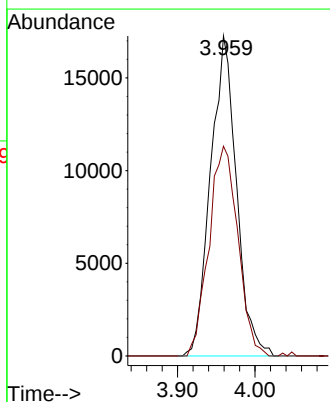
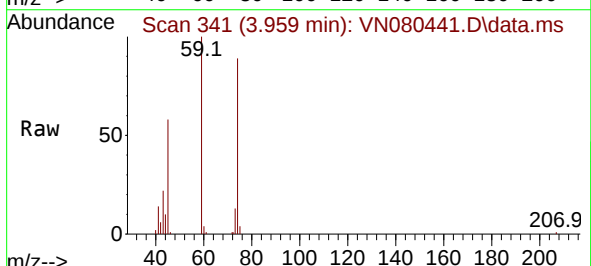
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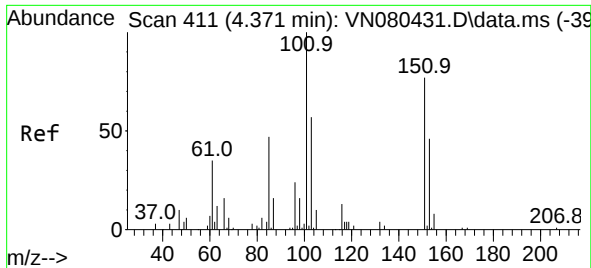
Reviewed By :John Carlone 12/13/2023
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#8
 Diethyl Ether
 Concen: 19.086 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40

Tgt Ion: 74 Resp: 40226
 Ion Ratio Lower Upper
 74 100
 45 73.1 34.4 103.3





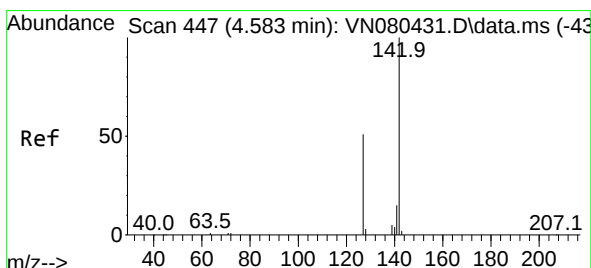
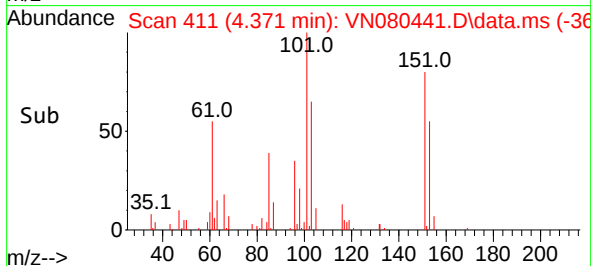
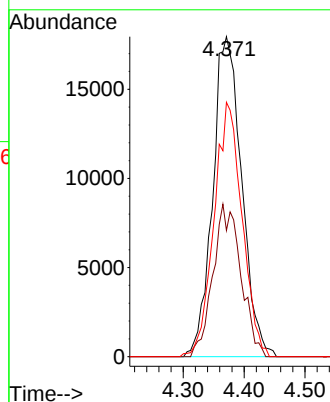
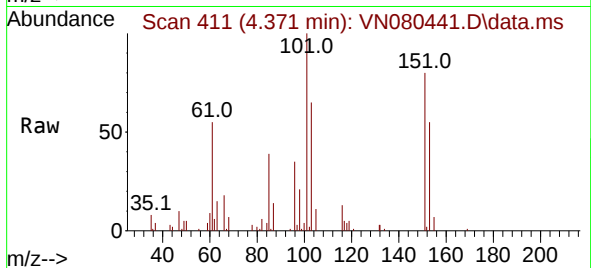
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.681 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion:101 Resp: 5924
Ion Ratio Lower Upper
101 100
85 46.0 36.6 55.0
151 76.9 57.6 86.4

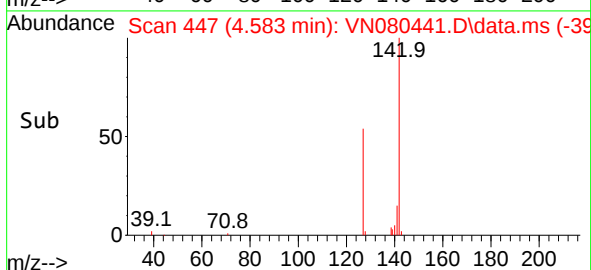
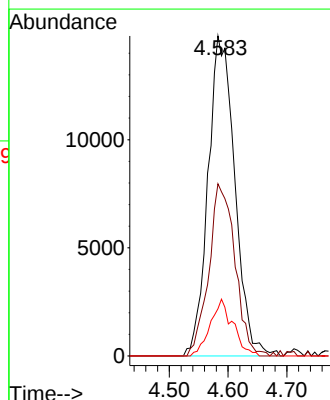
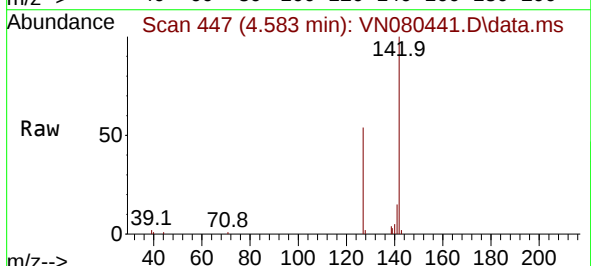
Manual Integrations
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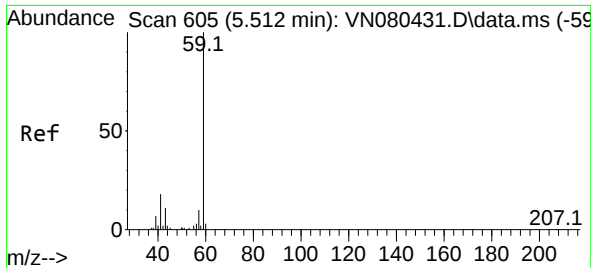
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#10
Methyl Iodide
Concen: 16.775 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion:142 Resp: 46798
Ion Ratio Lower Upper
142 100
127 53.8 37.6 56.4
141 14.8 11.4 17.0





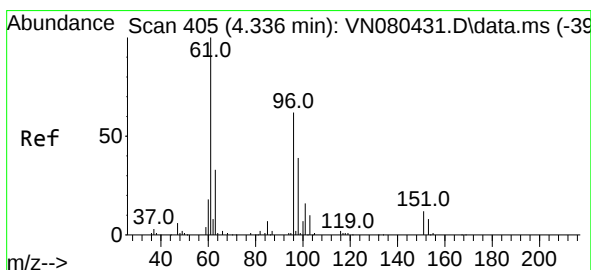
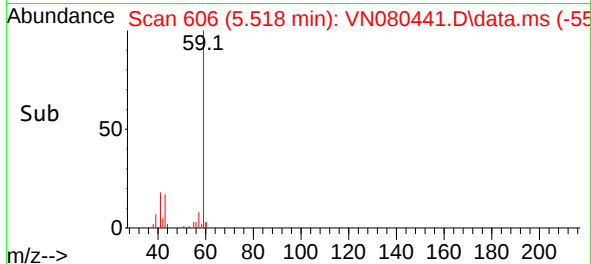
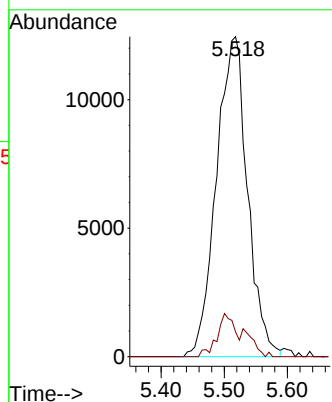
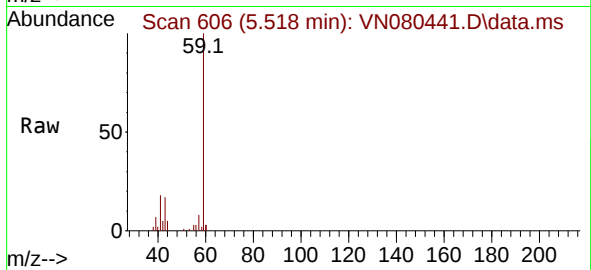
#11
Tert butyl alcohol
Concen: 93.582 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion: 59 Resp: 4255
Ion Ratio Lower Upper
59 100
57 7.7 8.2 12.4

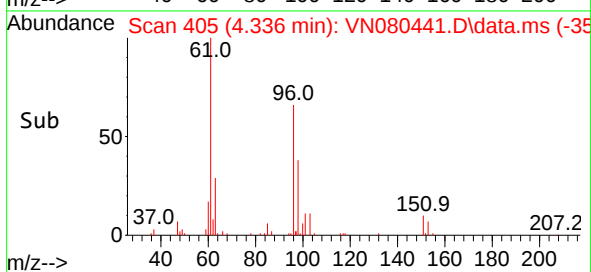
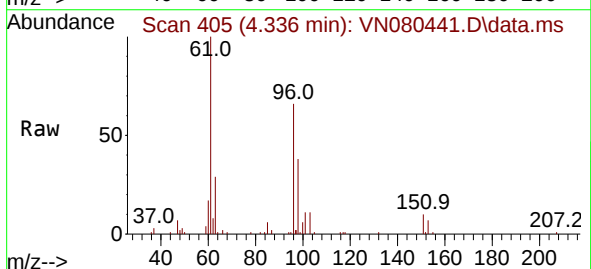
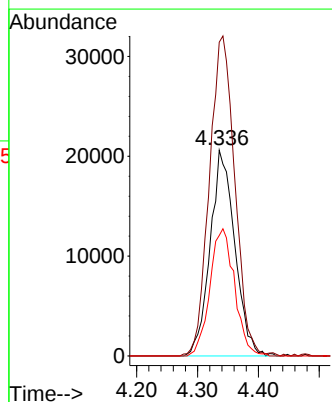
Manual Integrations
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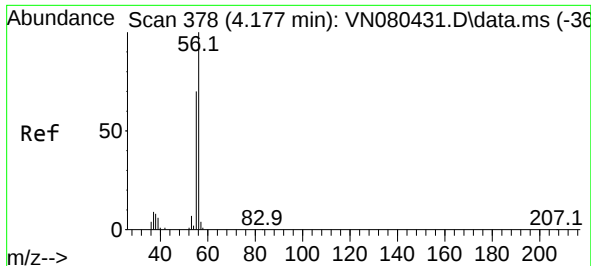
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#12
1,1-Dichloroethene
Concen: 17.854 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion: 96 Resp: 58019
Ion Ratio Lower Upper
96 100
61 152.5 112.7 169.1
98 58.5 51.2 76.8





#13

Acrolein

Concen: 70.680 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

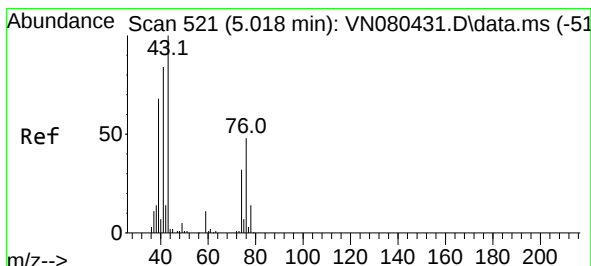
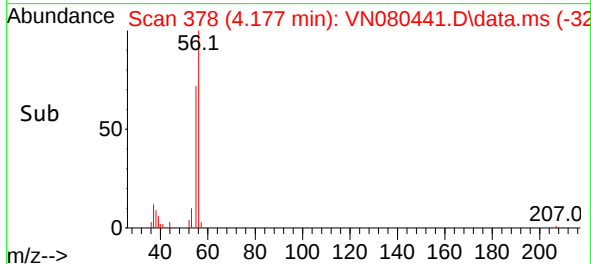
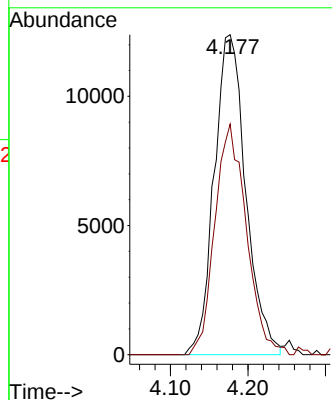
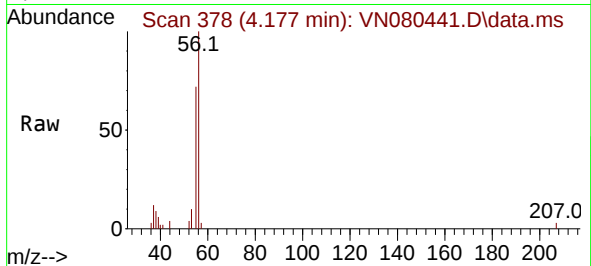
ClientSampleId :

VN1212WBS01

Tgt Ion: 56 Resp: 3519
 Ion Ratio Lower Upper
 56 100
 55 71.7 54.5 81.7

Manual Integrations
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Reviewed By :John Carlone 12/13/2023
 Supervised By :Mahesh Dadoda 12/13/2023



#14

Allyl chloride

Concen: 18.148 ug/l

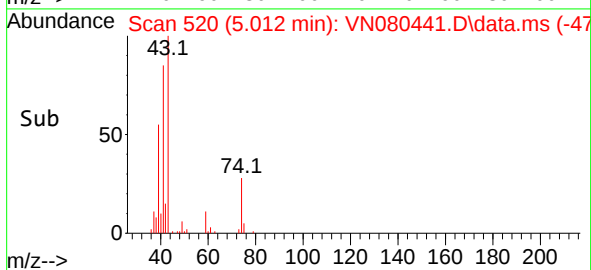
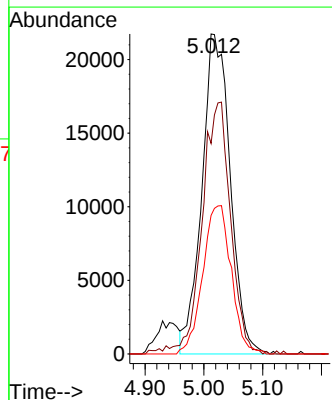
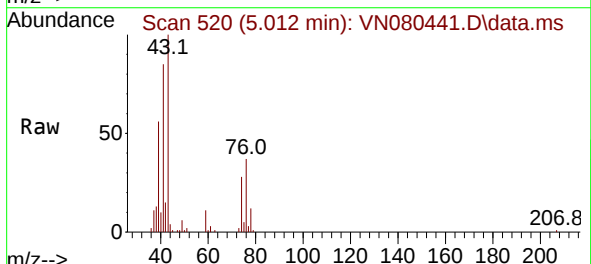
RT: 5.012 min Scan# 520

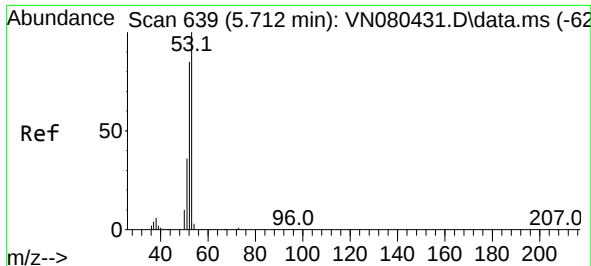
Delta R.T. -0.006 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

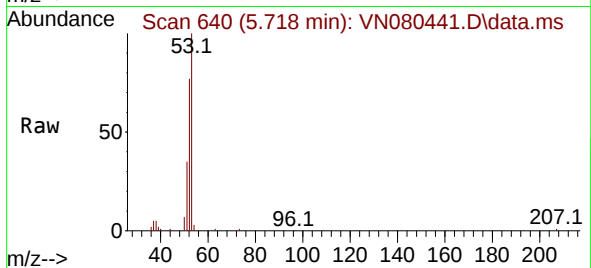
Tgt Ion: 41 Resp: 72966
 Ion Ratio Lower Upper
 41 100
 39 79.1 58.8 88.2
 76 46.4 39.1 58.7





#15
Acrylonitrile
Concen: 98.441 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

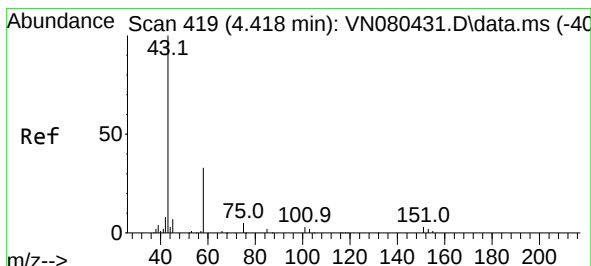
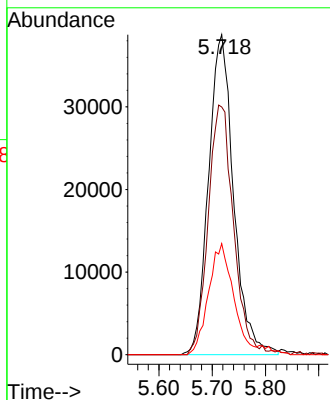
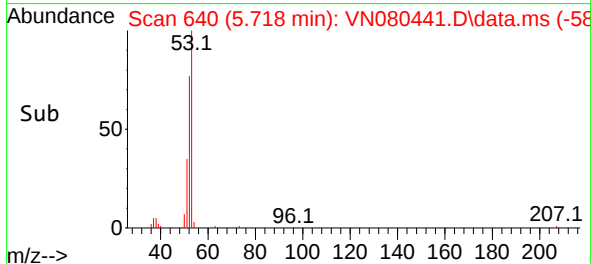
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



Tgt Ion: 53 Resp: 126479
Ion Ratio Lower Upper
53 100
52 78.5 65.3 97.9
51 34.5 28.9 43.3

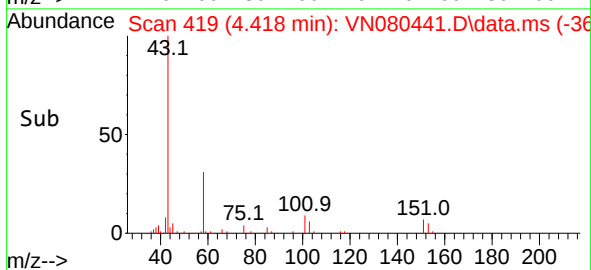
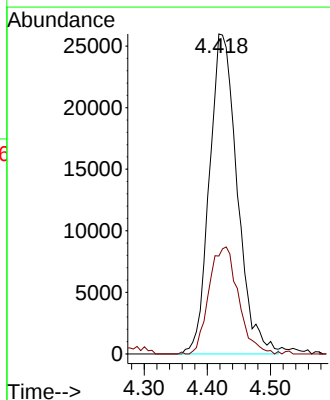
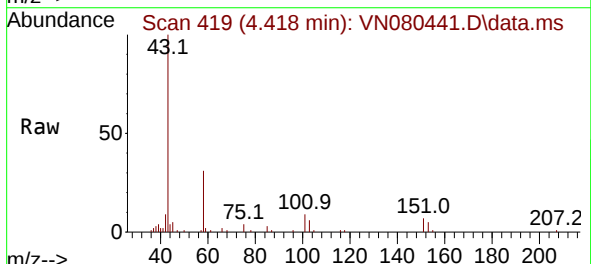
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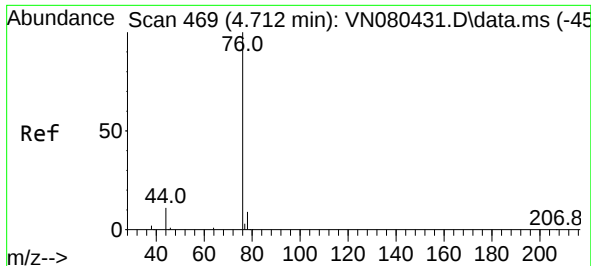
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#16
Acetone
Concen: 116.352 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

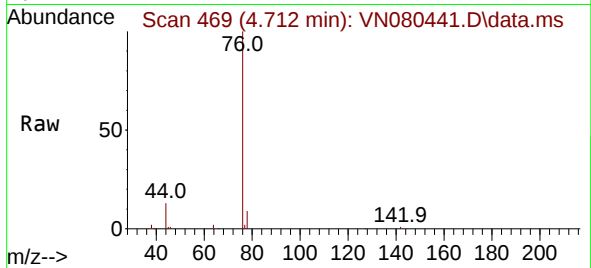
Tgt Ion: 43 Resp: 79654
Ion Ratio Lower Upper
43 100
58 30.6 28.0 42.0





#17
Carbon Disulfide
Concen: 17.077 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

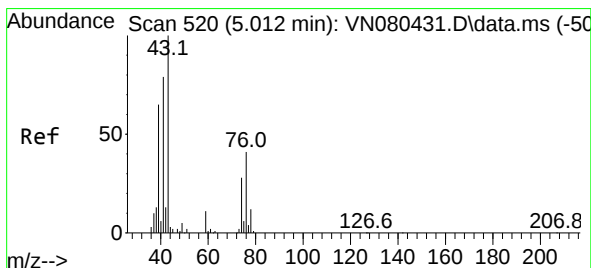
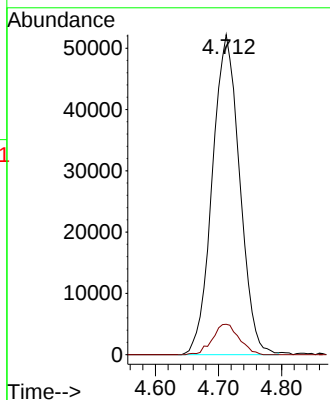
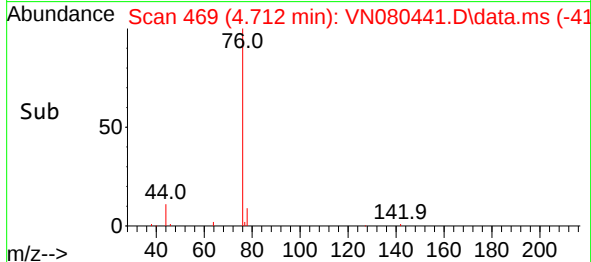
Instrument :
MSVOA_N
Client Sample Id :
VN1212WBS01



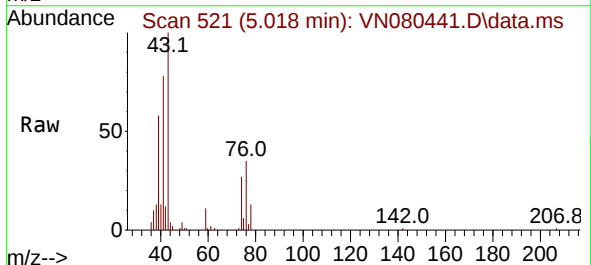
Tgt Ion: 76 Resp: 157274
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

Manual Integrations
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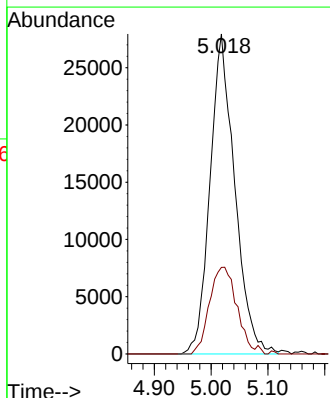
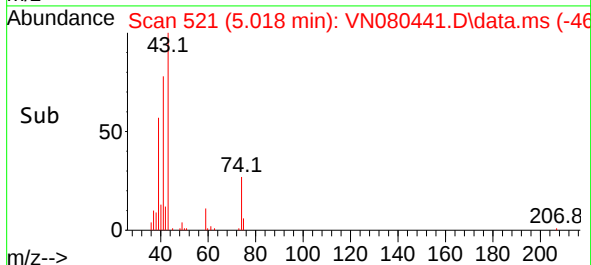
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

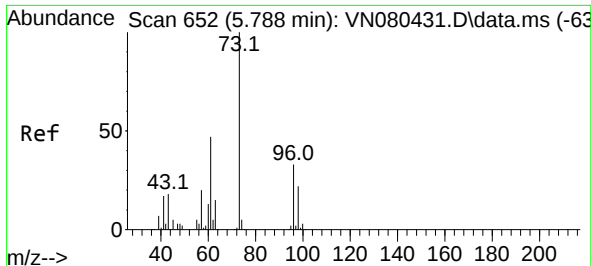


#18
Methyl Acetate
Concen: 19.154 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



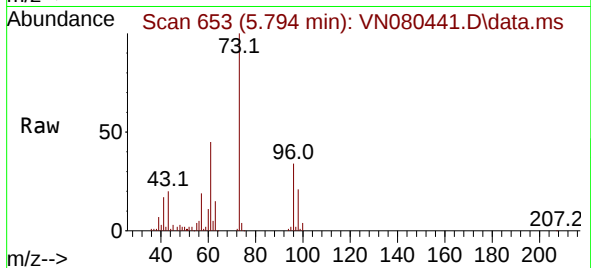
Tgt Ion: 43 Resp: 84373
Ion Ratio Lower Upper
43 100
74 30.2 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 19.073 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

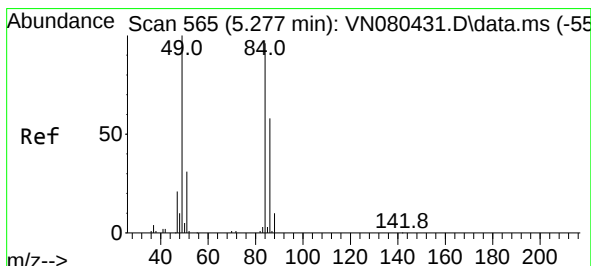
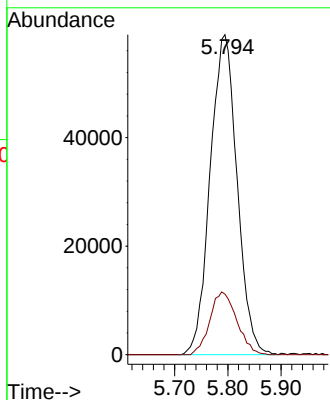
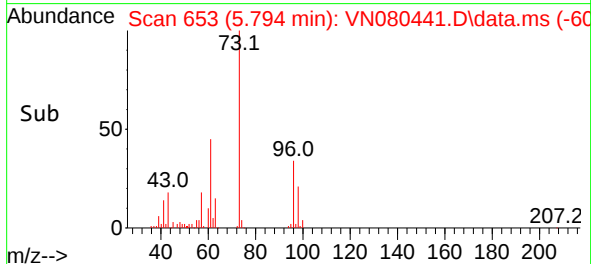
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



Tgt Ion: 73 Resp: 20678
Ion Ratio Lower Upper
73 100
57 19.0 15.6 23.4

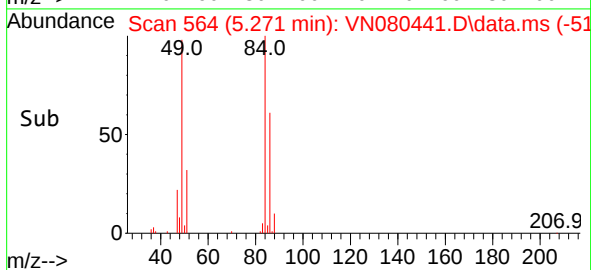
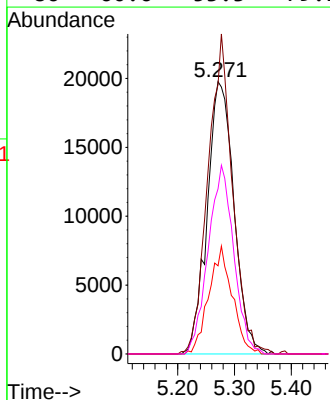
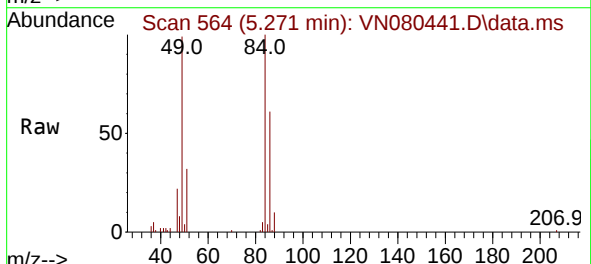
Manual Integrations
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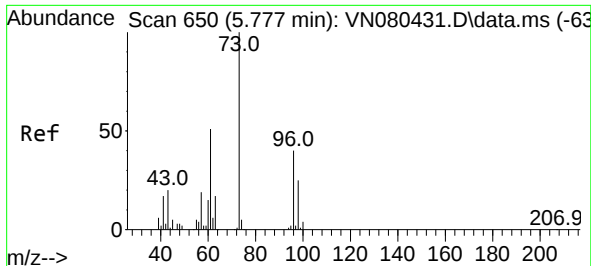
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#20
Methylene Chloride
Concen: 17.700 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

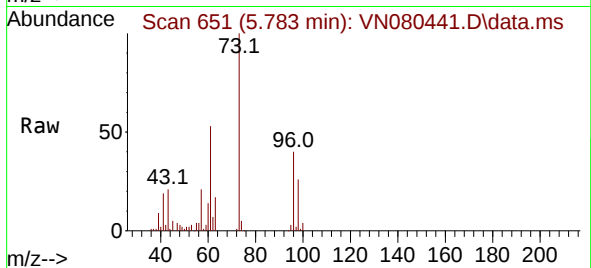
Tgt Ion: 84 Resp: 64849
Ion Ratio Lower Upper
84 100
49 98.9 79.7 119.5
51 32.4 25.2 37.8
86 60.6 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 18.411 ug/l
RT: 5.783 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

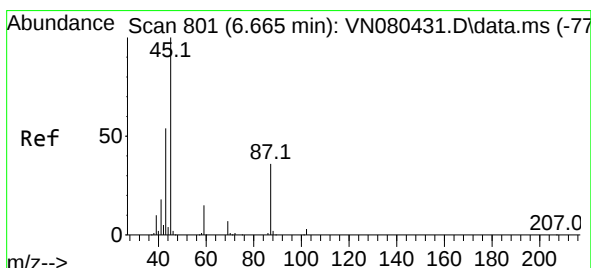
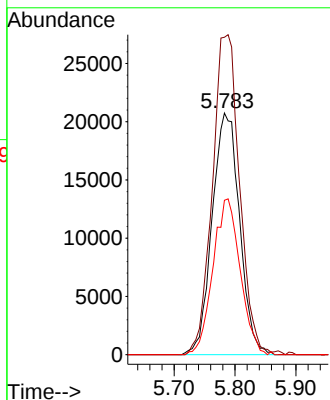
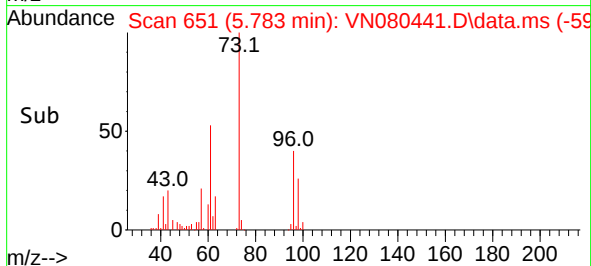
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



Tgt Ion: 96 Resp: 6487
Ion Ratio Lower Upper
96 100
61 131.4 90.1 135.1
98 63.9 46.4 69.6

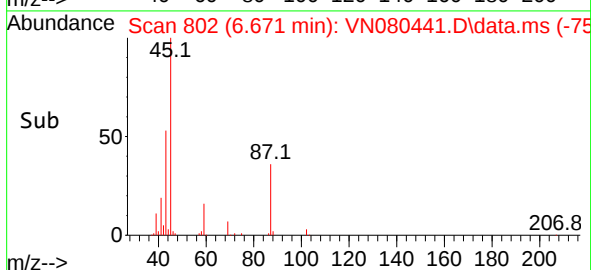
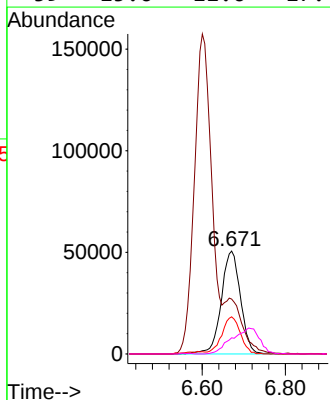
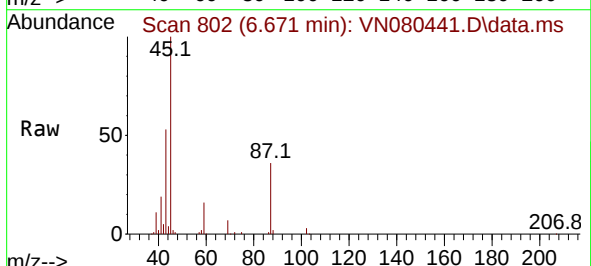
Manual Integrations
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Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#22
Diisopropyl ether
Concen: 18.738 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion: 45 Resp: 162608
Ion Ratio Lower Upper
45 100
43 52.5 45.5 68.3
87 36.0 31.8 47.8
59 15.6 11.6 17.4





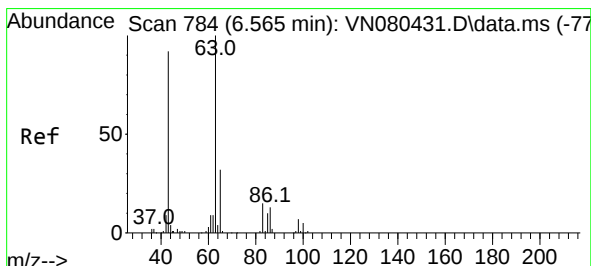
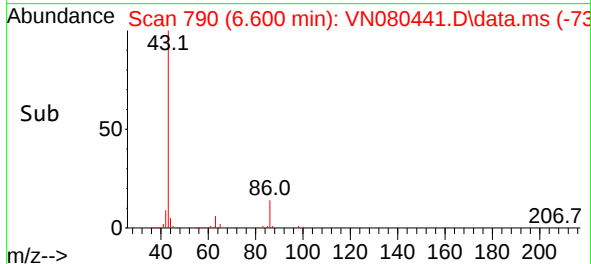
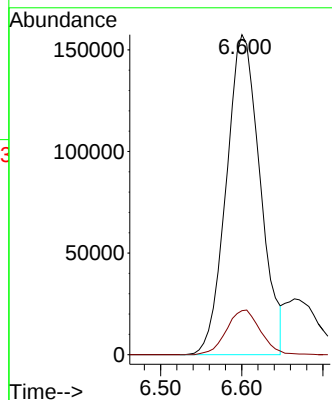
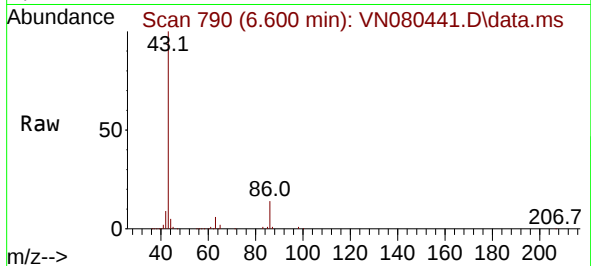
#23
 Vinyl Acetate
 Concen: 91.394 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

Tgt Ion: 43 Resp: 455510
 Ion Ratio Lower Upper
 43 100
 86 13.7 13.0 19.6

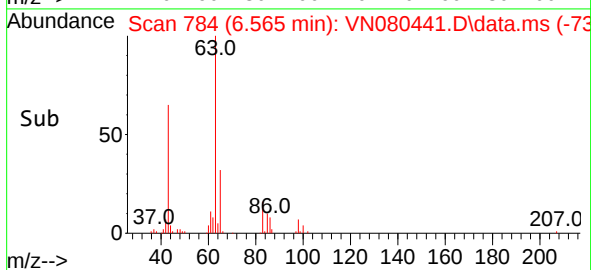
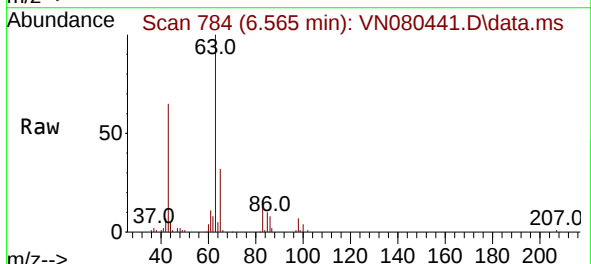
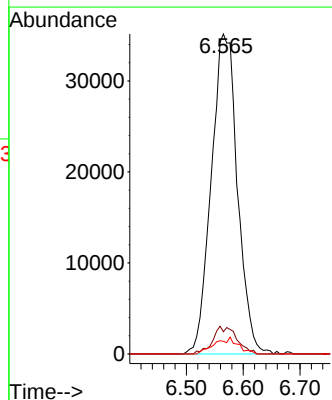
Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/13/2023
 Supervised By :Mahesh Dadoda 12/13/2023



#24
 1,1-Dichloroethane
 Concen: 18.618 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40

Tgt Ion: 63 Resp: 112720
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.9 11.7
 100 4.0 2.5 7.4





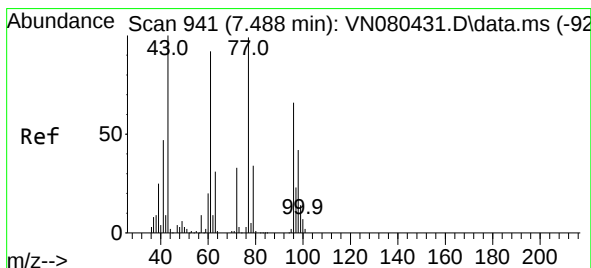
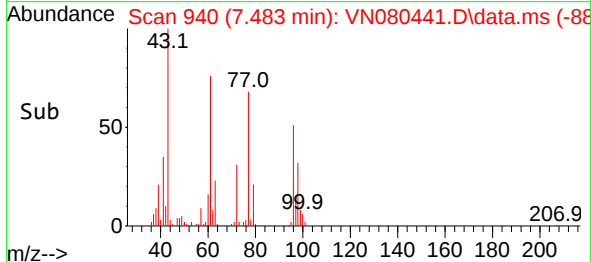
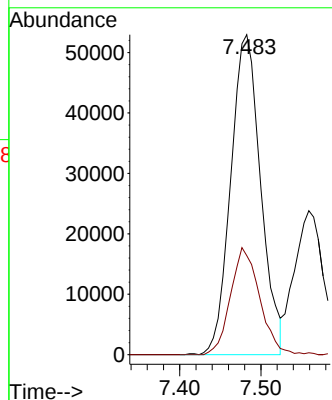
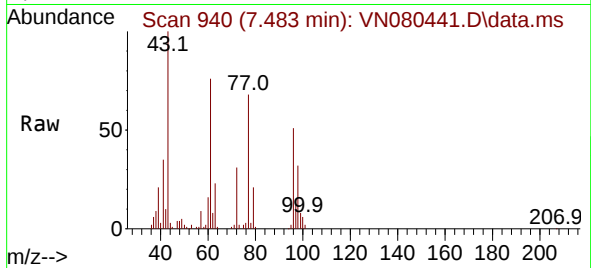
#25
2-Butanone
Concen: 102.797 ug/l
RT: 7.483 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion: 43 Resp: 135570
Ion Ratio Lower Upper
43 100
72 30.9 30.2 45.2

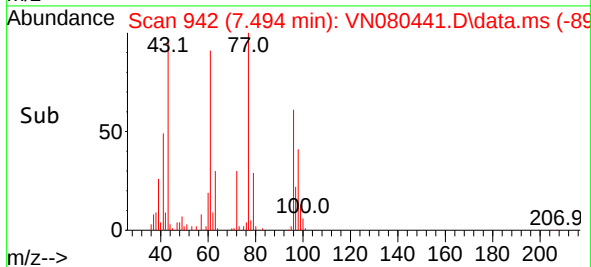
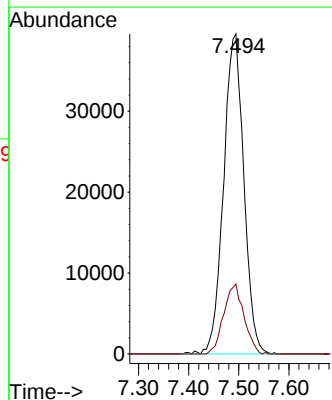
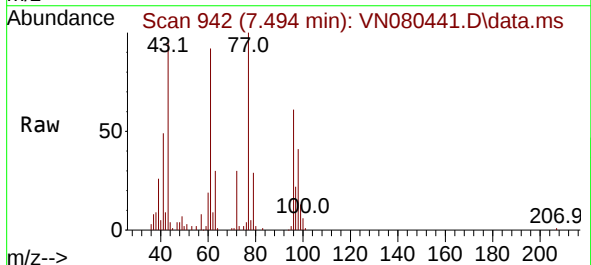
Manual Integrations
APPROVED

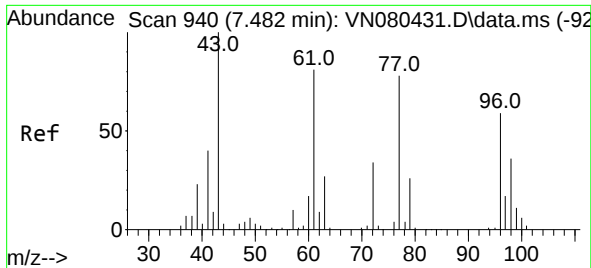
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#26
2,2-Dichloropropane
Concen: 17.928 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

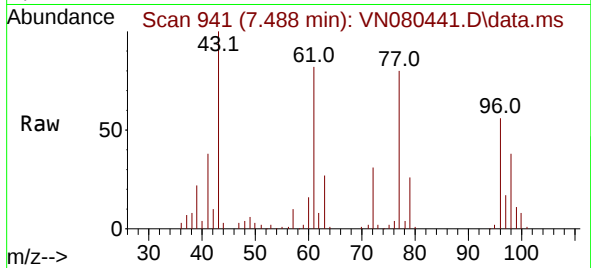
Tgt Ion: 77 Resp: 110991
Ion Ratio Lower Upper
77 100
97 21.8 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 18.423 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40

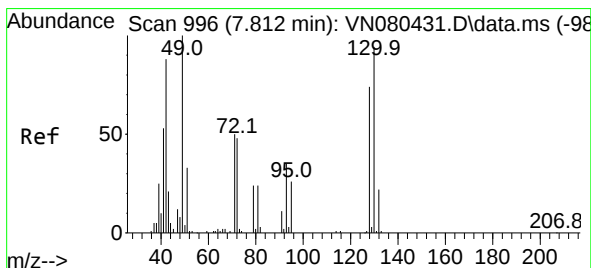
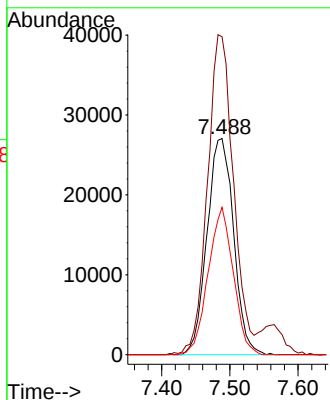
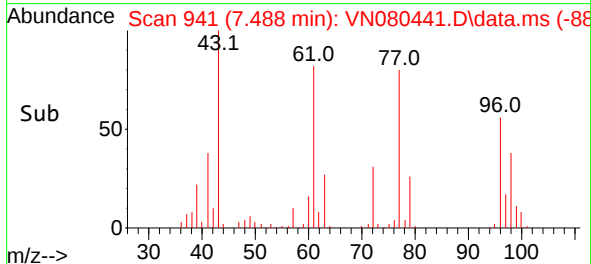
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01



Tgt Ion: 96 Resp: 73480
 Ion Ratio Lower Upper
 96 100
 61 144.6 0.0 255.2
 98 64.4 0.0 128.8

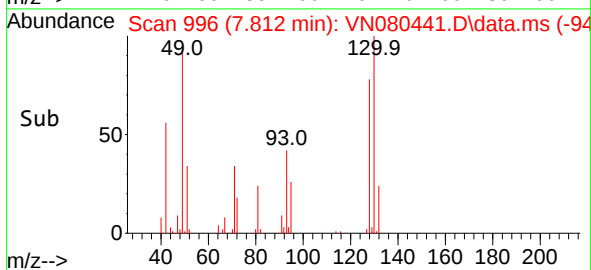
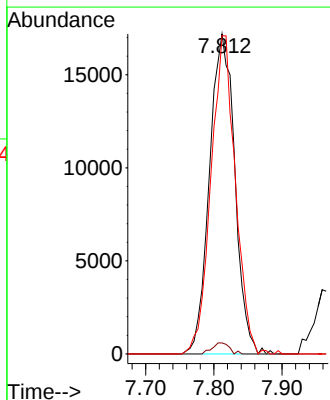
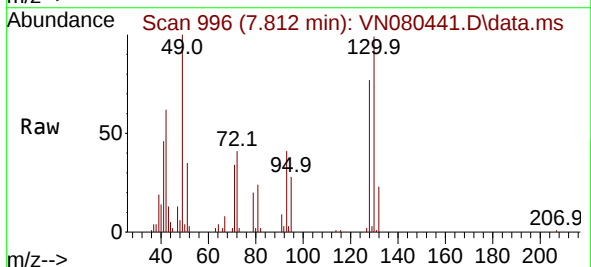
Manual Integrations
 APPROVED

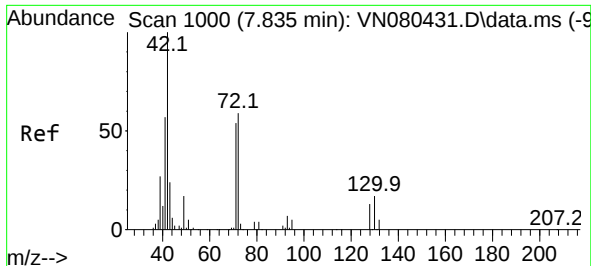
Reviewed By :John Carlone 12/13/2023
 Supervised By :Mahesh Dadoda 12/13/2023



#28
 Bromochloromethane
 Concen: 19.110 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.000 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40

Tgt Ion: 49 Resp: 44424
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 96.0 75.3 112.9





#29

Tetrahydrofuran

Concen: 94.359 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

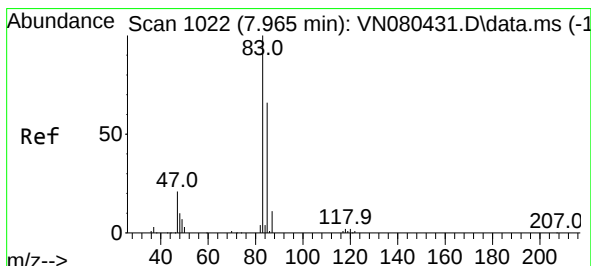
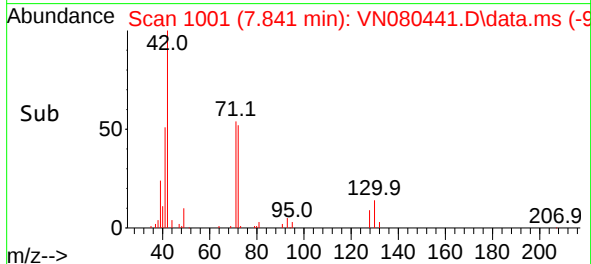
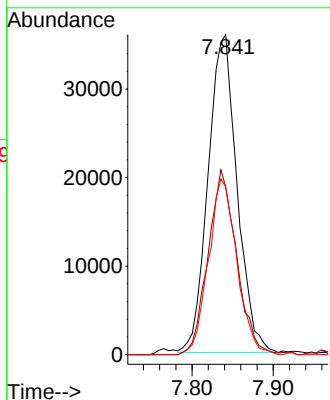
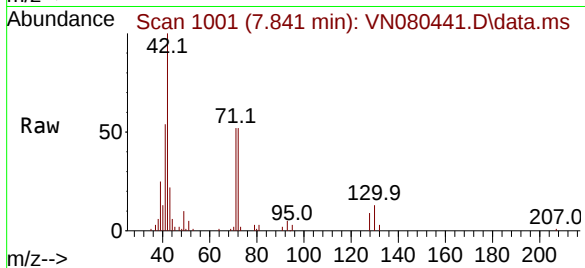
Tgt Ion:	42	Resp:	89110
Ion Ratio	Lower	Upper	
42	100		
72	57.1	49.8	74.6
71	54.2	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2023

Supervised By :Mahesh Dadoda 12/13/2023



#30

Chloroform

Concen: 18.839 ug/l

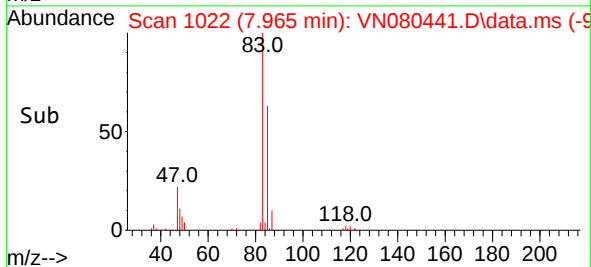
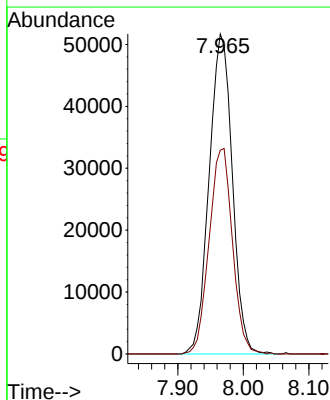
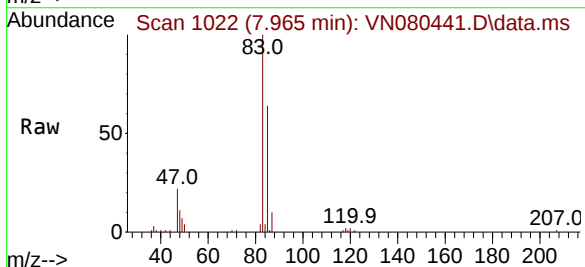
RT: 7.965 min Scan# 1022

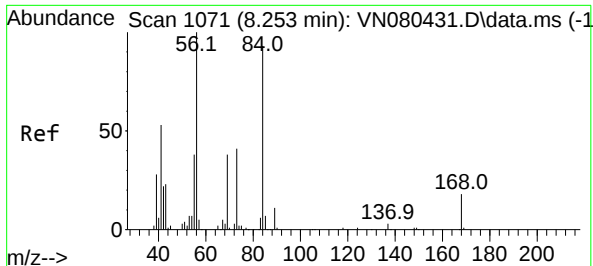
Delta R.T. 0.000 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Tgt Ion:	83	Resp:	126611
Ion Ratio	Lower	Upper	
83	100		
85	63.7	55.4	83.0





#31

Cyclohexane

Concen: 17.520 ug/l

RT: 8.259 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

Tgt Ion: 56 Resp: 9199

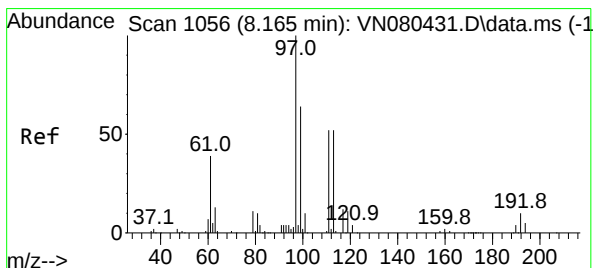
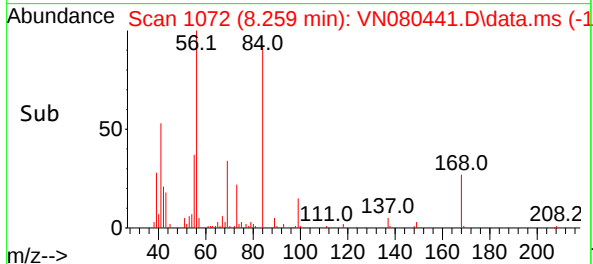
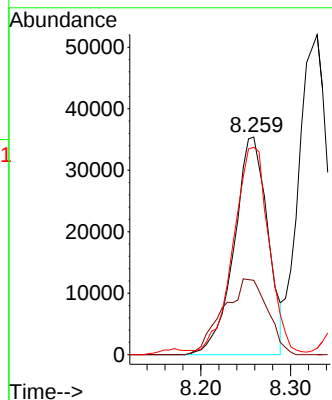
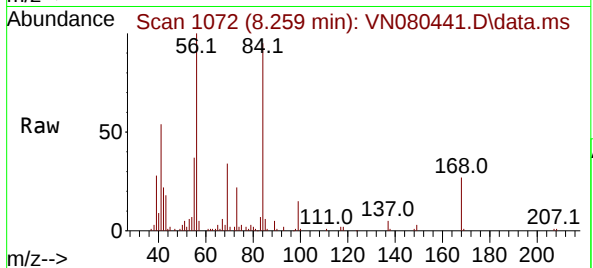
Ion	Ratio	Lower	Upper
56	100		
69	34.2	26.8	40.2
84	93.3	81.8	122.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2023

Supervised By :Mahesh Dadoda 12/13/2023



#32

1,1,1-Trichloroethane

Concen: 18.818 ug/l

RT: 8.165 min Scan# 1056

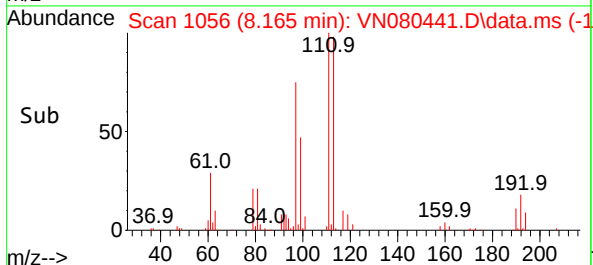
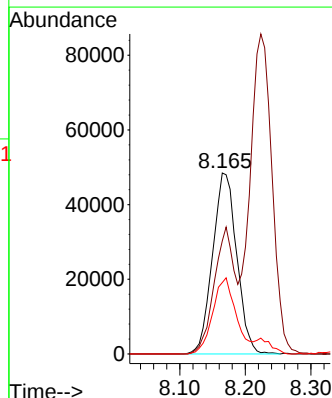
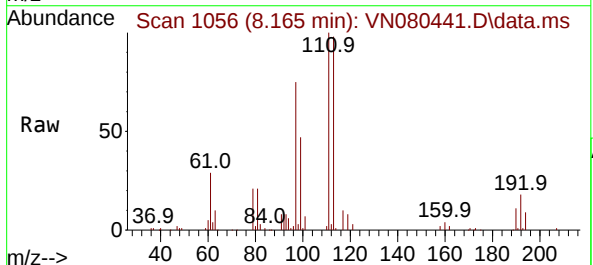
Delta R.T. 0.000 min

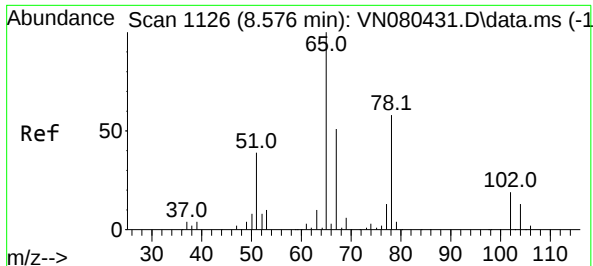
Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Tgt Ion: 97 Resp: 123827

Ion	Ratio	Lower	Upper
97	100		
99	59.2	50.3	75.5
61	41.1	34.7	52.1





#33

1,2-Dichloroethane-d4

Concen: 52.170 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

Tgt Ion: 65 Resp: 201420

Ion Ratio Lower Upper

65 100

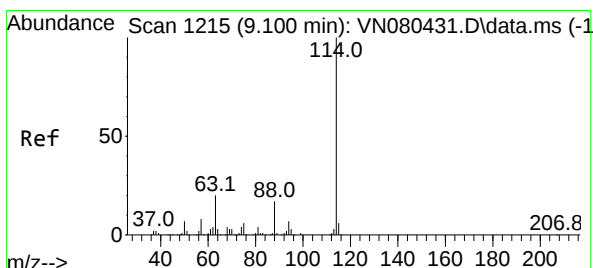
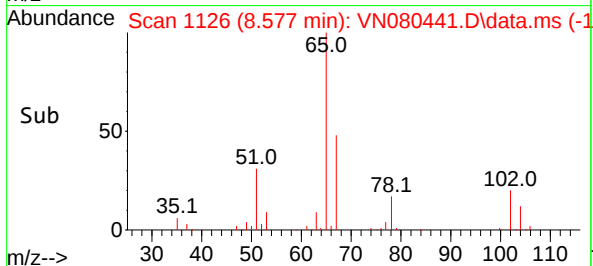
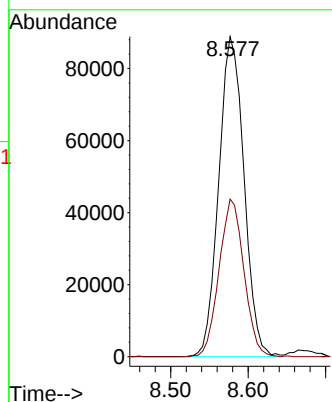
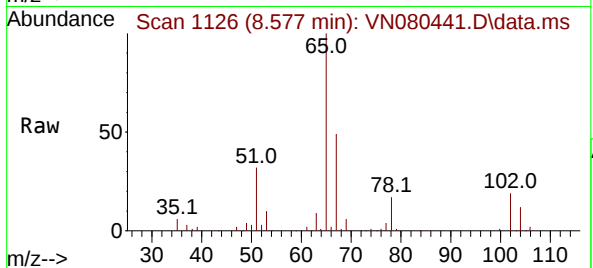
67 48.3 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2023

Supervised By :Mahesh Dadoda 12/13/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

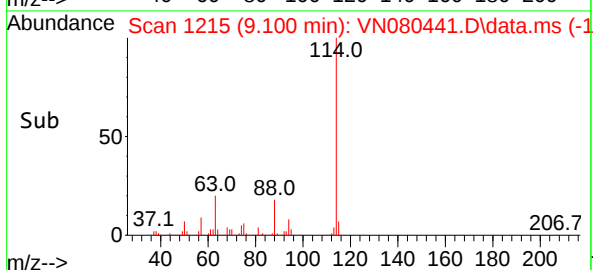
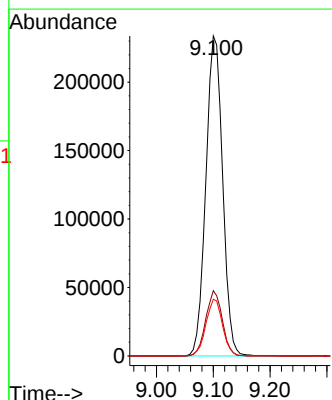
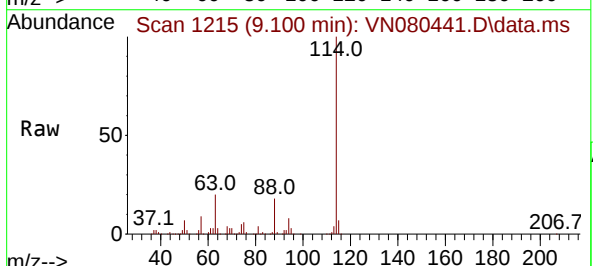
Tgt Ion:114 Resp: 478416

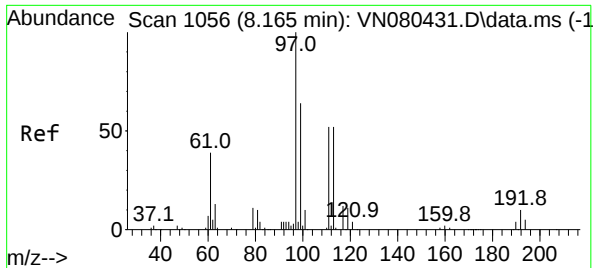
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

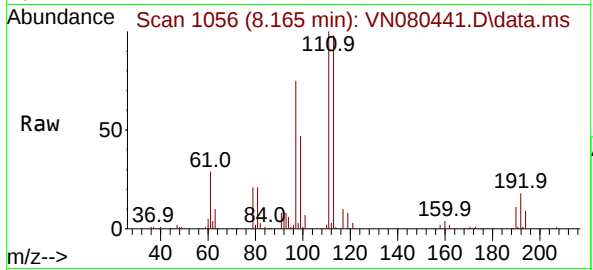
88 17.7 0.0 30.6





#35
Dibromofluoromethane
Concen: 49.982 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

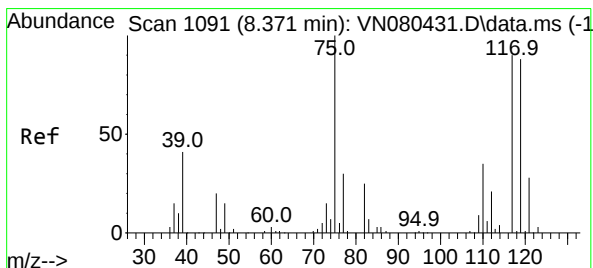
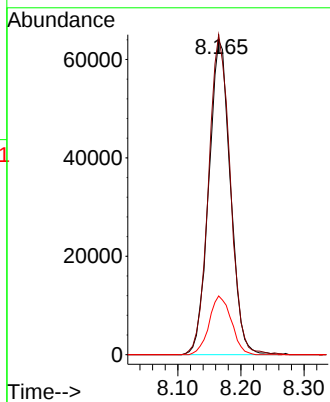
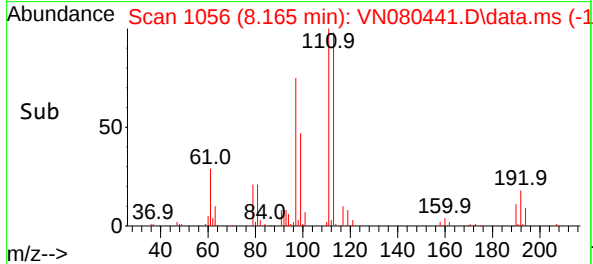
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



Tgt Ion:113 Resp: 15161
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 19.2 12.7 19.1

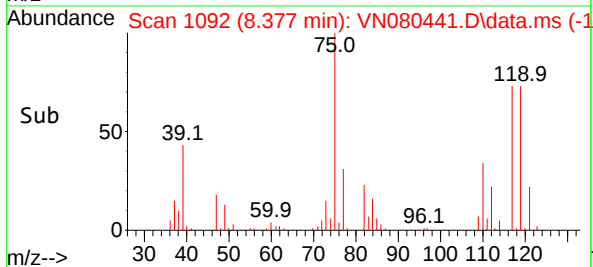
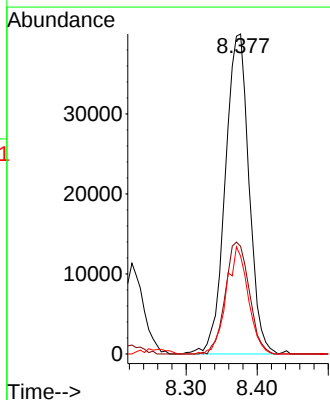
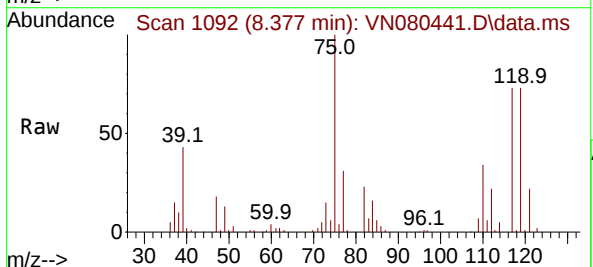
Manual Integrations
APPROVED

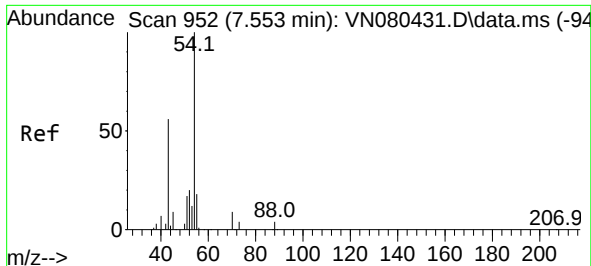
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#36
1,1-Dichloropropene
Concen: 18.735 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion: 75 Resp: 92922
Ion Ratio Lower Upper
75 100
110 35.2 19.1 57.3
77 31.0 25.0 37.4





#37

Ethyl Acetate

Concen: 19.444 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN080441.D

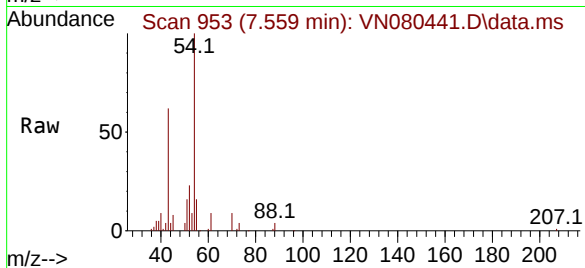
Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01



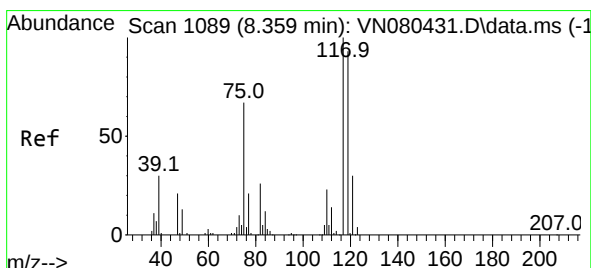
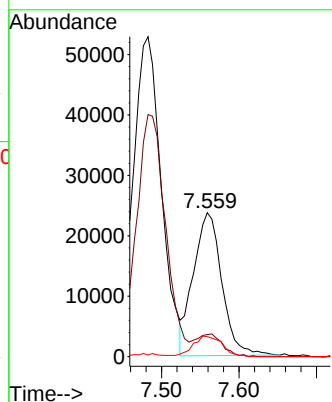
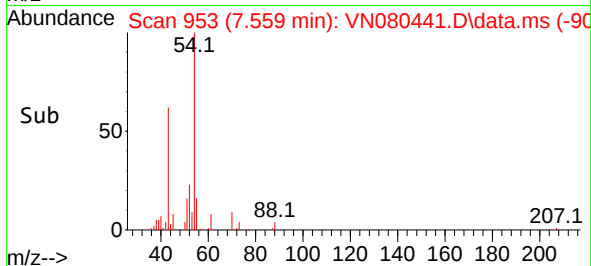
Tgt Ion:	43	Resp:	6038
Ion	Ratio	Lower	Upper
43	100		
61	13.4	13.2	19.8
70	14.8	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2023

Supervised By :Mahesh Dadoda 12/13/2023



#38

Carbon Tetrachloride

Concen: 18.506 ug/l

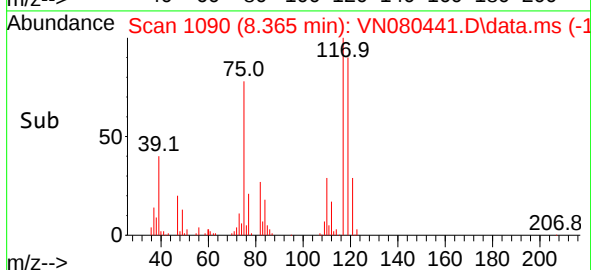
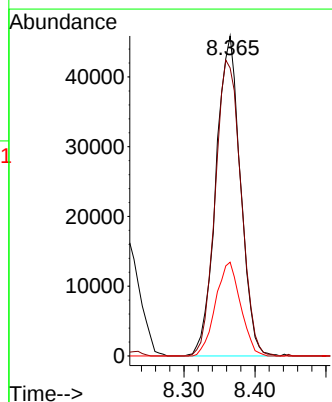
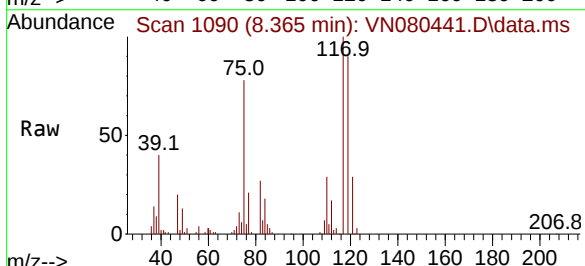
RT: 8.365 min Scan# 1090

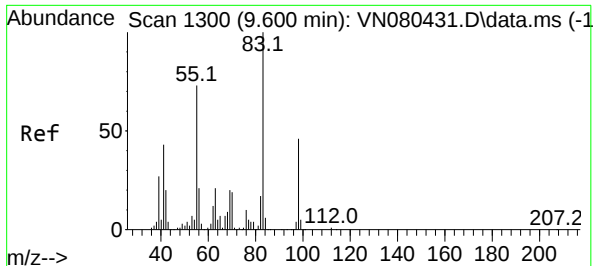
Delta R.T. 0.006 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Tgt Ion:	117	Resp:	109670
Ion	Ratio	Lower	Upper
117	100		
119	90.0	77.3	115.9
121	29.3	23.3	34.9





#39

Methylcyclohexane

Concen: 17.816 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.000 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

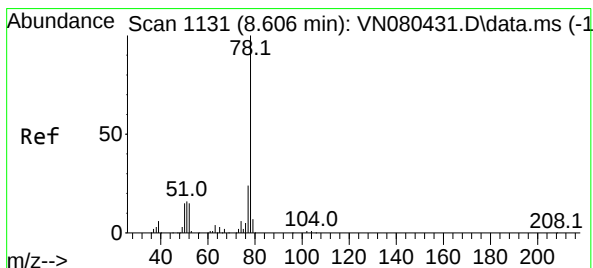
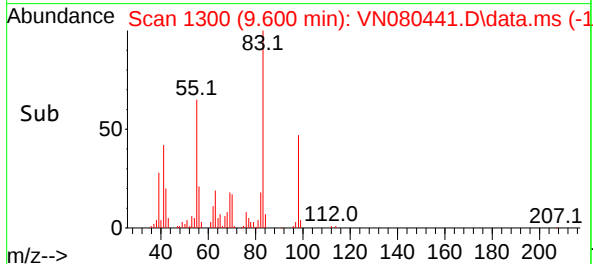
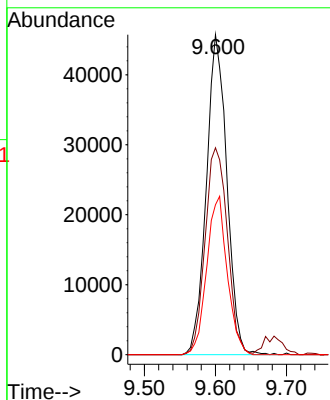
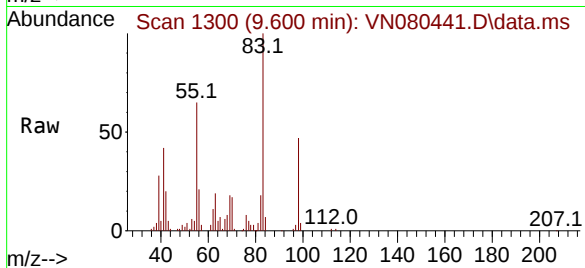
Tgt Ion:	83	Resp:	9179
Ion Ratio	Lower	Upper	
83	100		
55	64.6	49.1	73.7
98	46.9	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2023

Supervised By :Mahesh Dadoda 12/13/2023



#40

Benzene

Concen: 18.558 ug/l

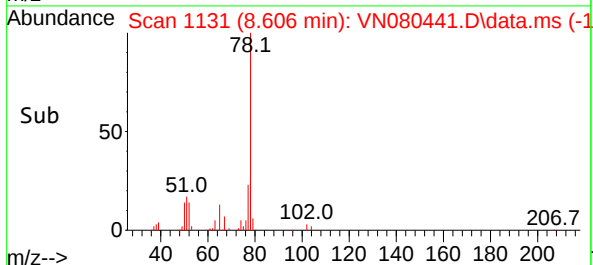
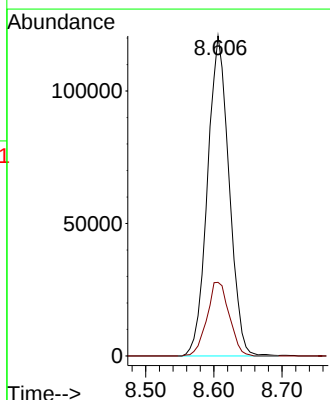
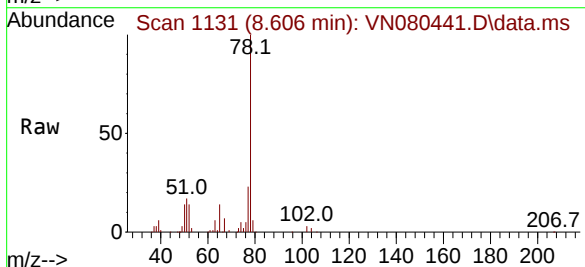
RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

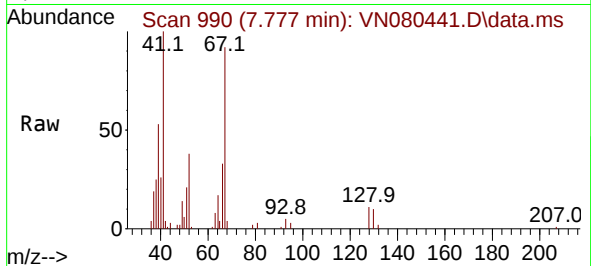
Tgt Ion:	78	Resp:	265790
Ion Ratio	Lower	Upper	
78	100		
77	23.0	19.0	28.6





#41
Methacrylonitrile
Concen: 19.124 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

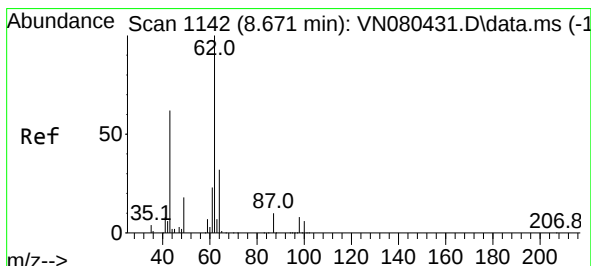
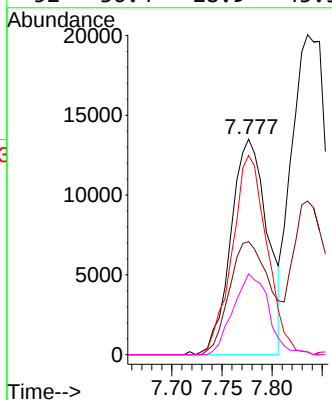
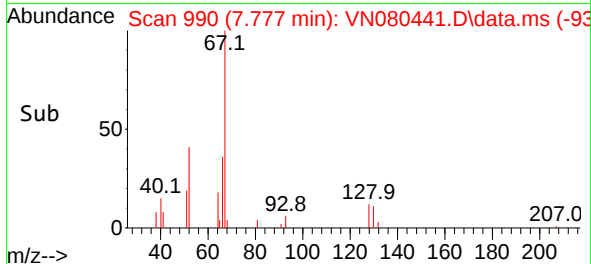
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



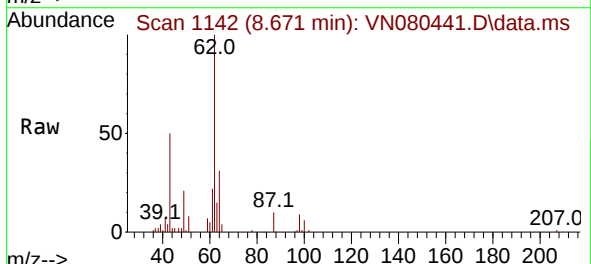
Tgt Ion: 41 Resp: 3424
Ion Ratio Lower Upper
41 100
39 60.0 42.6 64.0
67 88.6 77.5 116.3
52 36.4 28.9 43.3

Manual Integrations
APPROVED

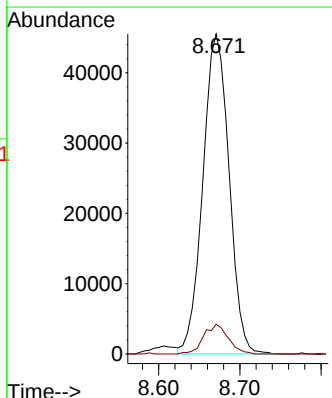
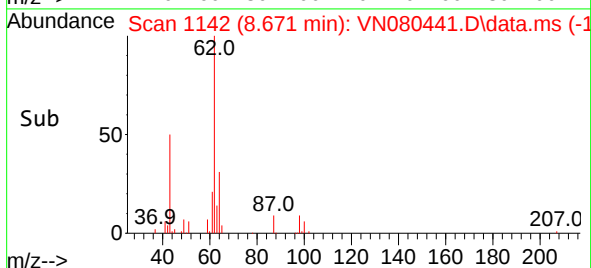
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

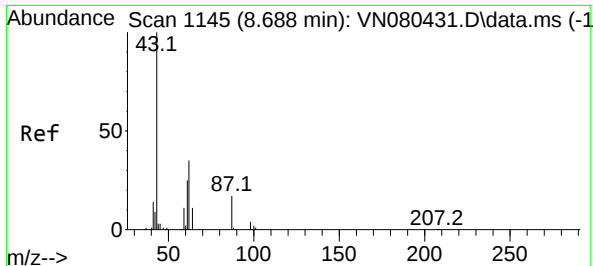


#42
1,2-Dichloroethane
Concen: 19.255 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



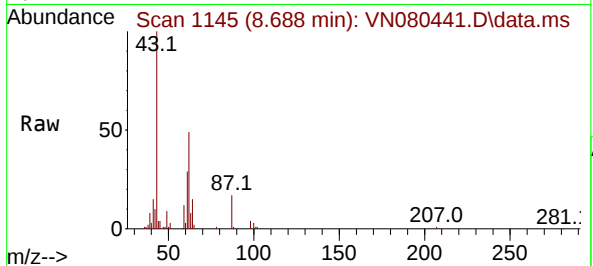
Tgt Ion: 62 Resp: 102122
Ion Ratio Lower Upper
62 100
98 8.7 0.0 19.8





#43
Isopropyl Acetate
Concen: 18.630 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

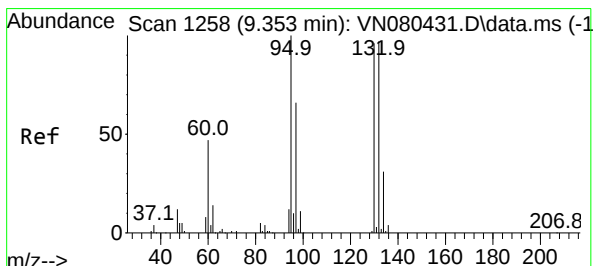
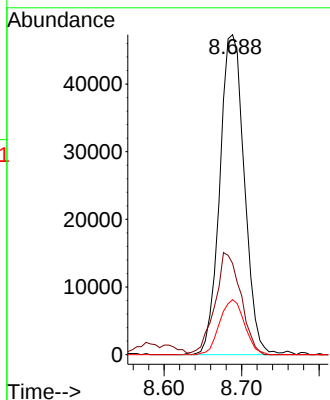
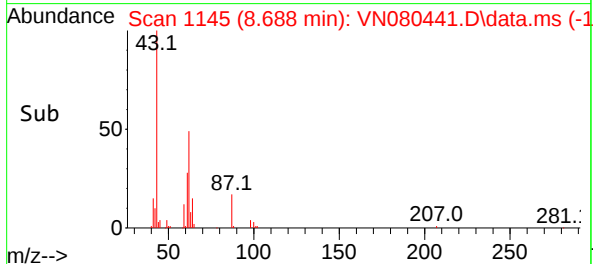
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



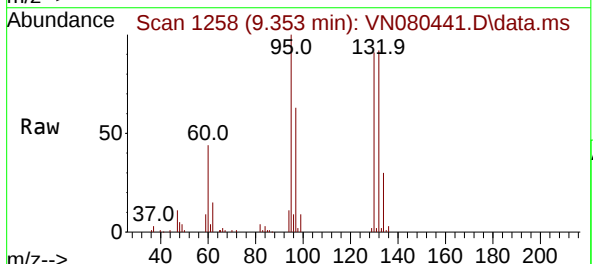
Tgt Ion: 43 Resp: 104035
Ion Ratio Lower Upper
43 100
61 33.6 24.7 37.1
87 17.4 14.6 21.8

Manual Integrations
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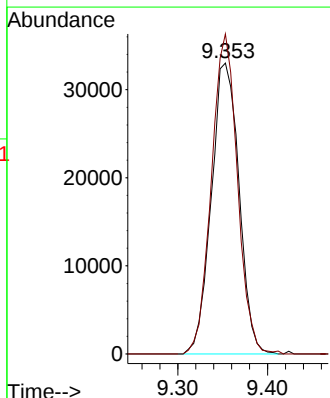
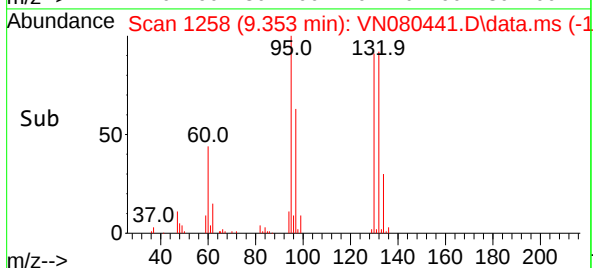
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

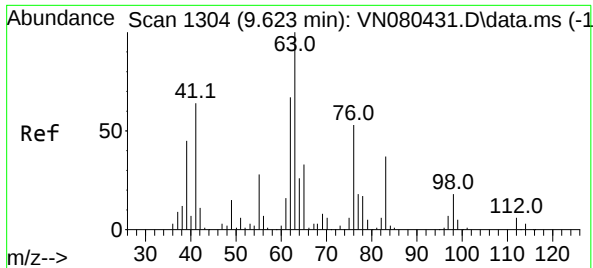


#44
Trichloroethene
Concen: 18.322 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



Tgt Ion:130 Resp: 70741
Ion Ratio Lower Upper
130 100
95 110.0 0.0 204.6





#45

1,2-Dichloropropane

Concen: 18.370 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

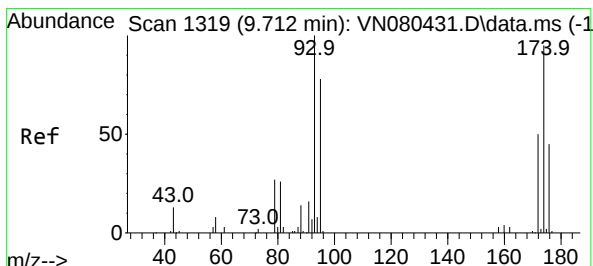
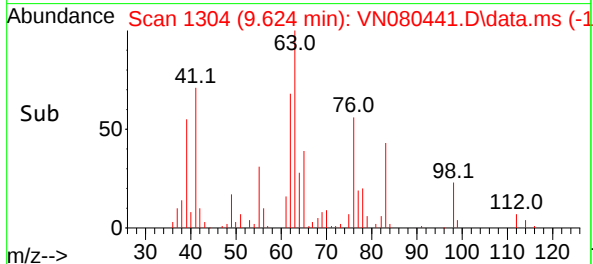
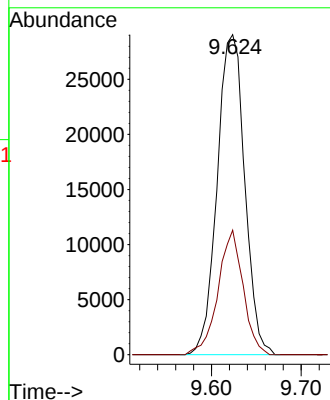
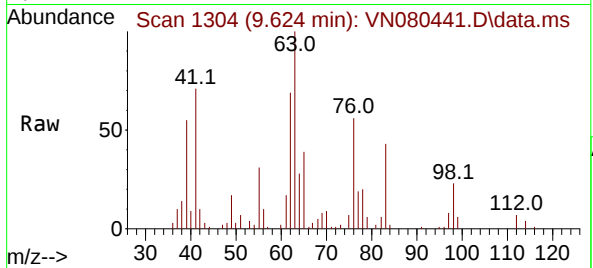
Tgt Ion: 63 Resp: 61793
 Ion Ratio Lower Upper
 63 100
 65 38.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2023

Supervised By :Mahesh Dadoda 12/13/2023



#46

Dibromomethane

Concen: 18.681 ug/l

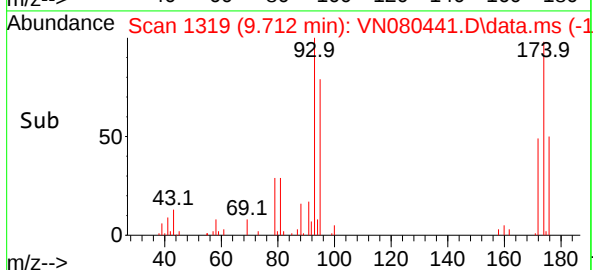
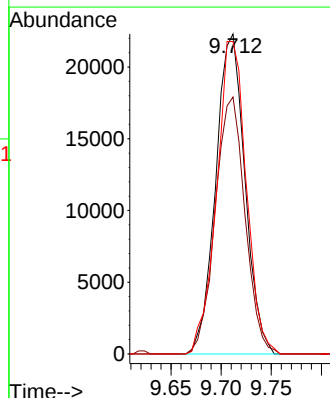
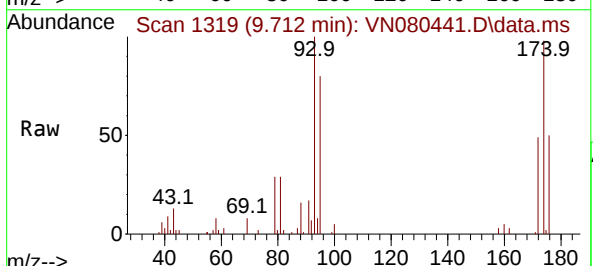
RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Tgt Ion: 93 Resp: 45126
 Ion Ratio Lower Upper
 93 100
 95 81.9 63.8 95.8
 174 99.2 65.6 98.4





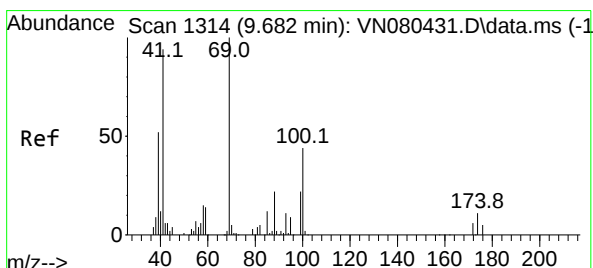
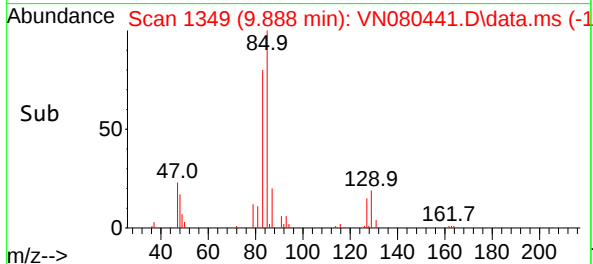
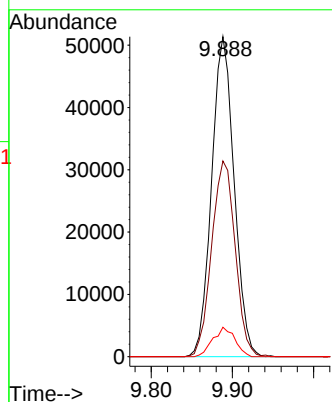
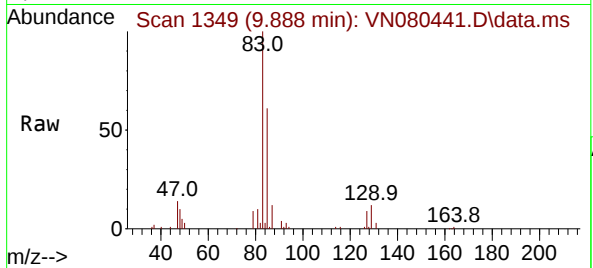
#47
Bromodichloromethane
Concen: 19.102 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion: 83 Resp: 9889
Ion Ratio Lower Upper
83 100
85 61.2 49.6 74.4
127 9.2 7.0 10.6

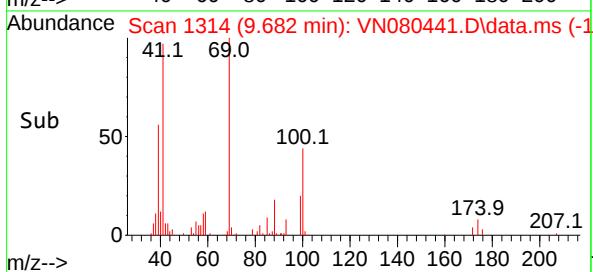
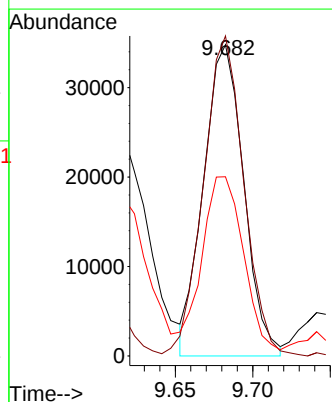
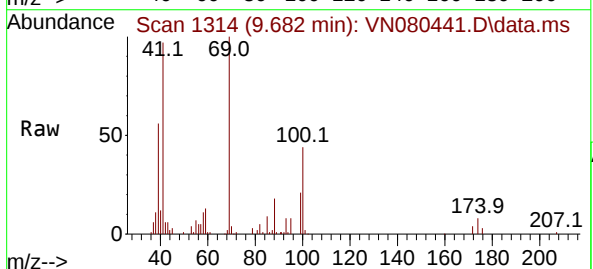
Manual Integrations
APPROVED

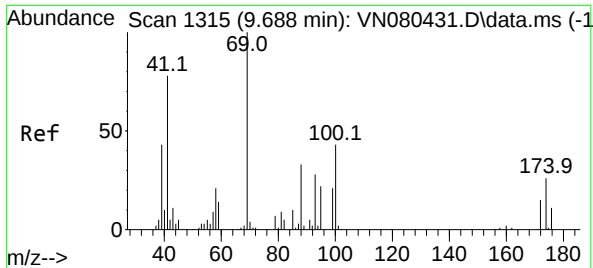
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#48
Methyl methacrylate
Concen: 18.826 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion: 41 Resp: 62736
Ion Ratio Lower Upper
41 100
69 103.4 90.4 135.6
39 61.6 54.6 81.8





#49

1,4-Dioxane

Concen: 339.193 ug/l

RT: 9.694 min Scan# 1315

Delta R.T. 0.006 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

Tgt Ion: 88 Resp: 1713

Ion Ratio Lower Upper

88 100

43 31.5 17.0 25.6

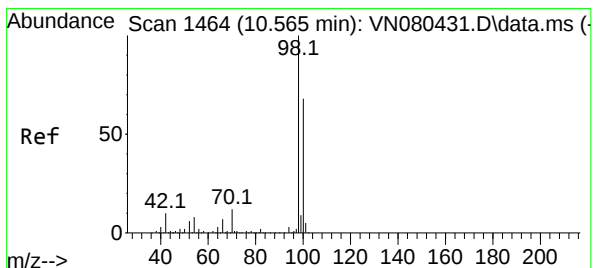
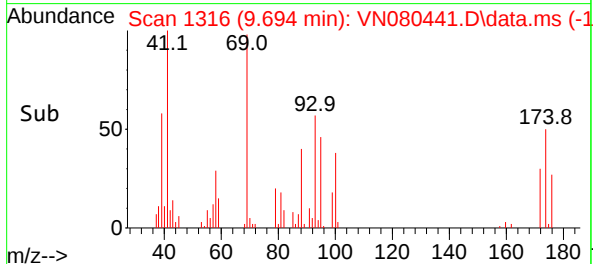
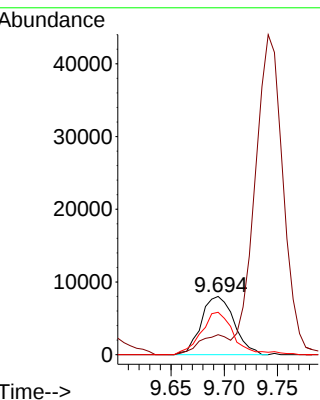
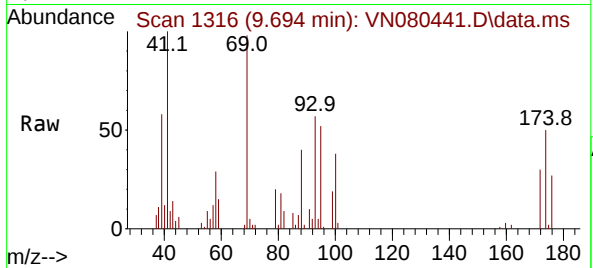
58 72.9 47.0 70.4

Manual Integrations

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Reviewed By :John Carlone 12/13/2023

Supervised By :Mahesh Dadoda 12/13/2023



#50

Toluene-d8

Concen: 50.912 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080441.D

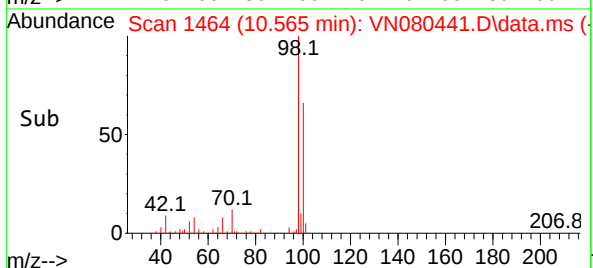
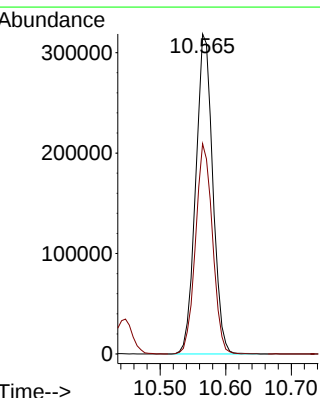
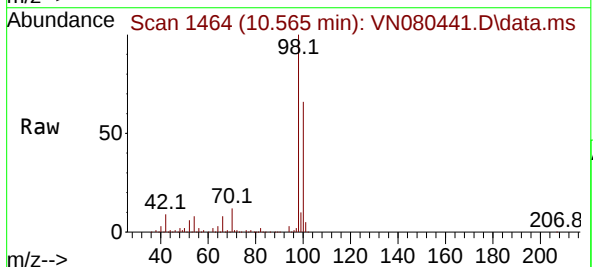
Acq: 12 Dec 2023 16:40

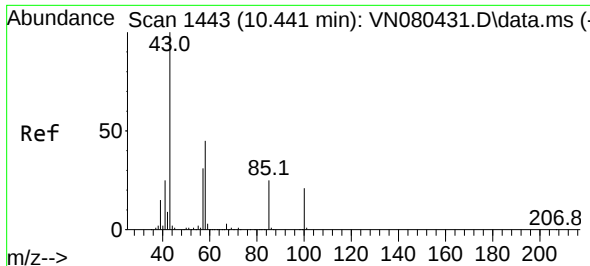
Tgt Ion: 98 Resp: 575964

Ion Ratio Lower Upper

98 100

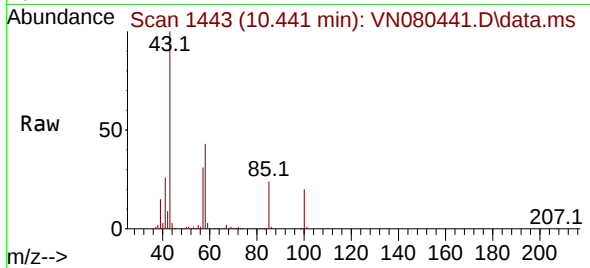
100 65.4 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 96.863 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

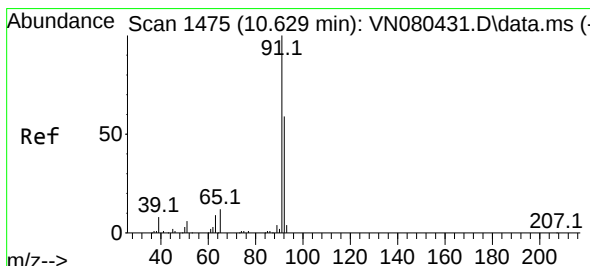
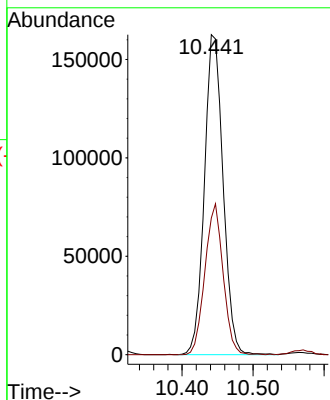
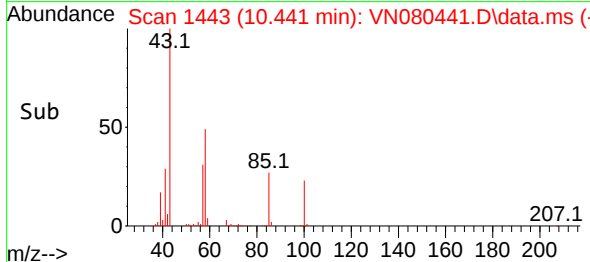
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



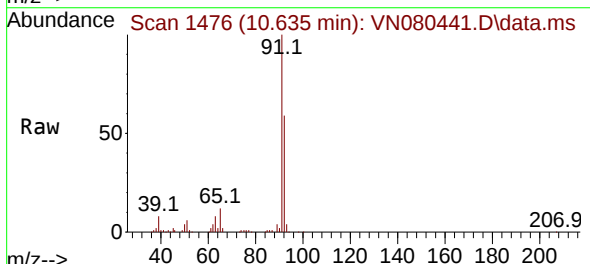
Tgt Ion: 43 Resp: 297904
Ion Ratio Lower Upper
43 100
58 45.8 36.6 54.8

Manual Integrations
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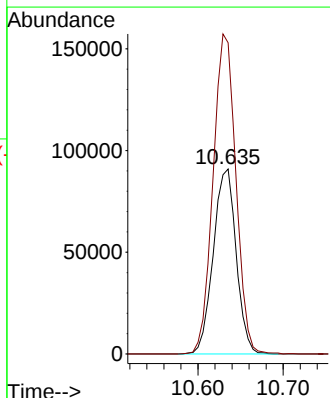
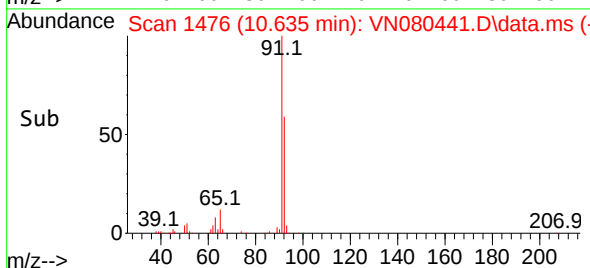
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

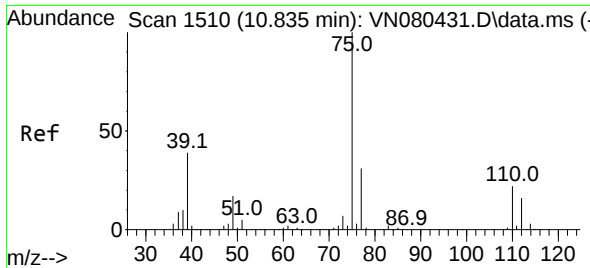


#52
Toluene
Concen: 18.772 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



Tgt Ion: 92 Resp: 169841
Ion Ratio Lower Upper
92 100
91 172.8 137.4 206.0





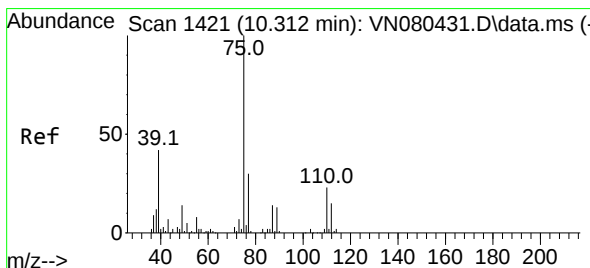
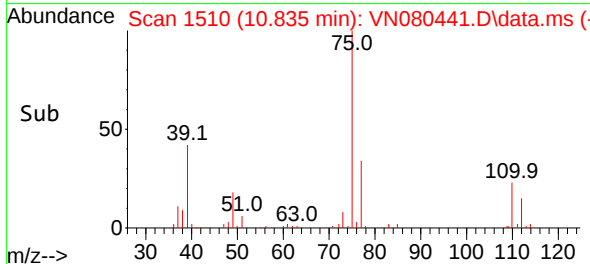
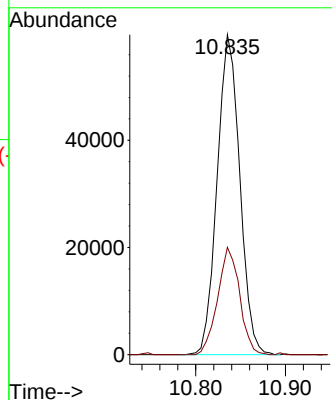
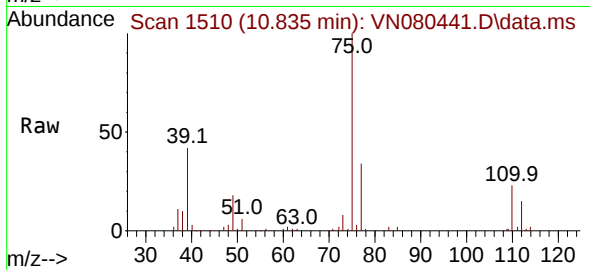
#53
 t-1,3-Dichloropropene
 Concen: 18.667 ug/l
 RT: 10.835 min Scan# 1510
 Delta R.T. 0.000 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

Tgt Ion: 75 Resp: 10456
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.4 38.0

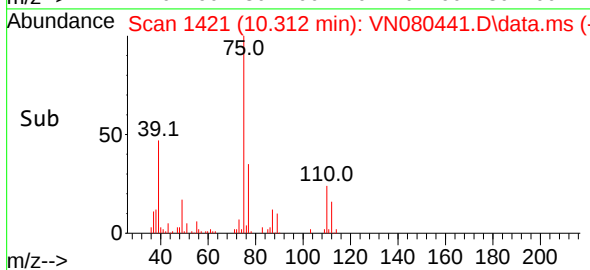
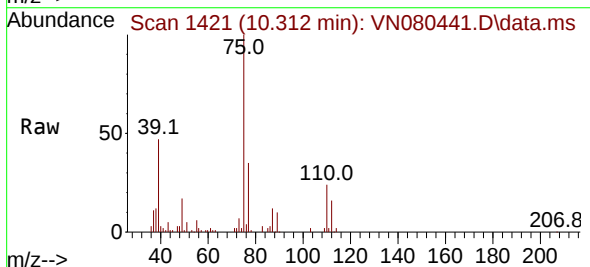
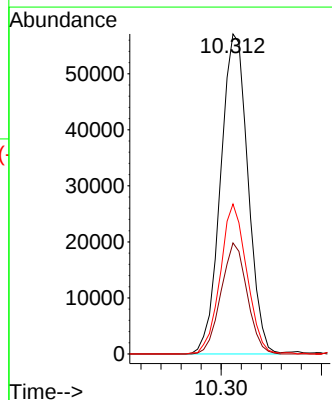
Manual Integrations
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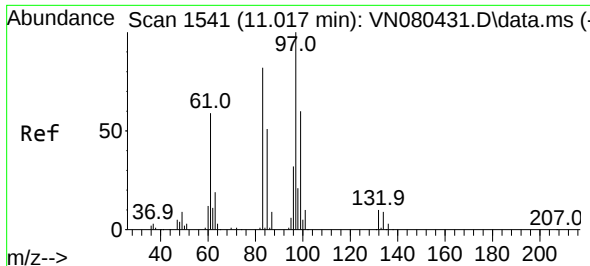
Reviewed By :John Carlone 12/13/2023
 Supervised By :Mahesh Dadoda 12/13/2023



#54
 cis-1,3-Dichloropropene
 Concen: 18.076 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40

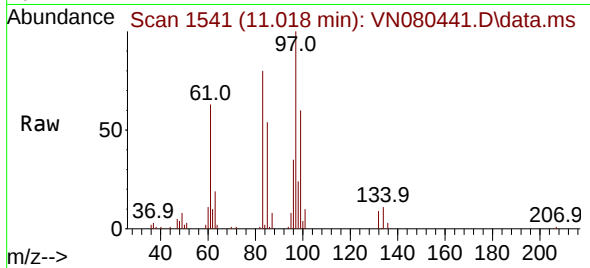
Tgt Ion: 75 Resp: 108226
 Ion Ratio Lower Upper
 75 100
 77 34.7 26.1 39.1
 39 46.8 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 19.830 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

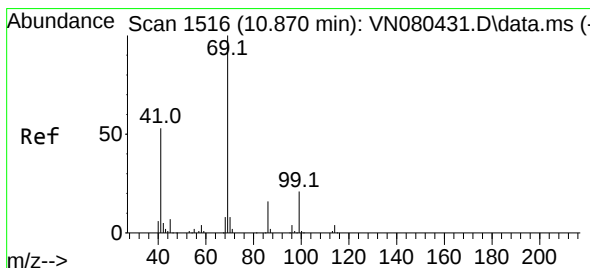
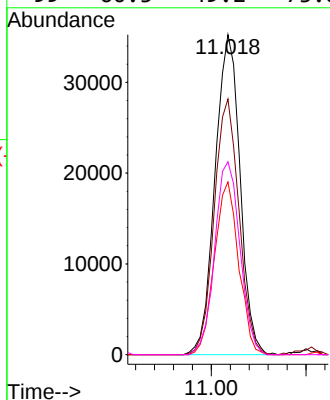
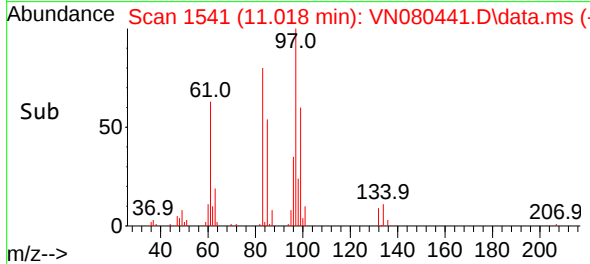
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



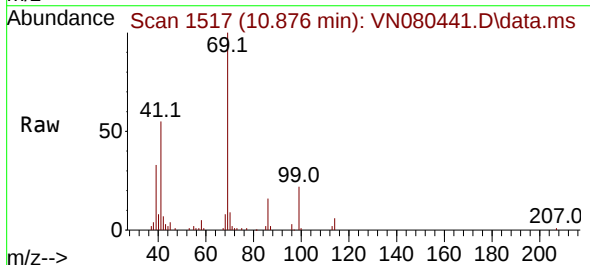
Tgt Ion: 97 Resp: 64550
Ion Ratio Lower Upper
97 100
83 79.9 65.1 97.7
85 54.0 43.4 65.2
99 60.3 49.2 73.8

Manual Integrations
APPROVED

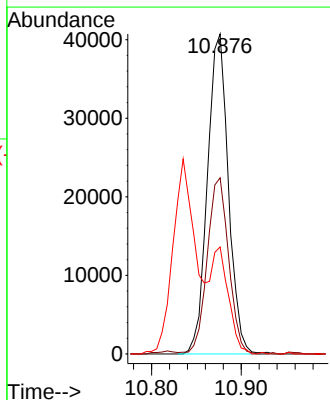
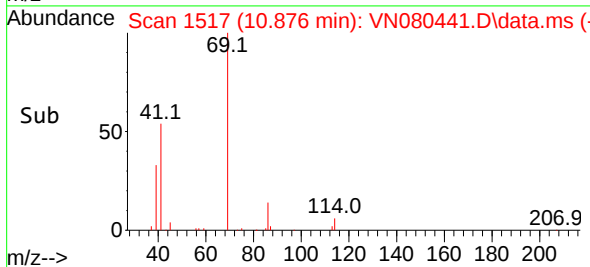
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

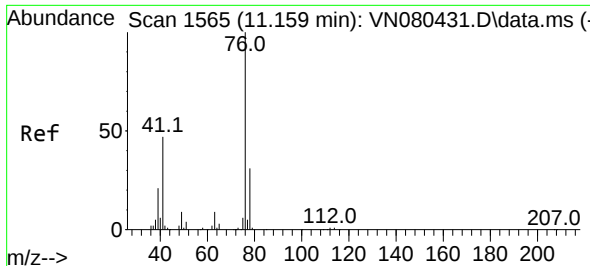


#56
Ethyl methacrylate
Concen: 18.317 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



Tgt Ion: 69 Resp: 66022
Ion Ratio Lower Upper
69 100
41 56.4 39.6 59.4
39 29.5 28.6 43.0





#57

1,3-Dichloropropane

Concen: 19.224 ug/l

RT: 11.165 min Scan# 1565

Delta R.T. 0.006 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

Tgt Ion: 76 Resp: 109708

Ion Ratio Lower Upper

76 100

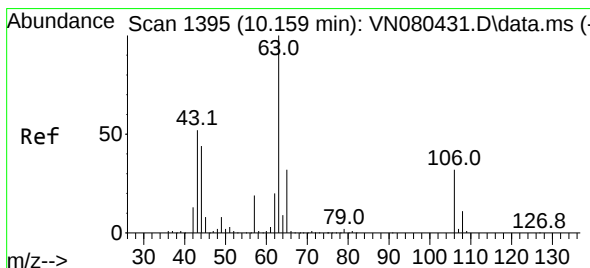
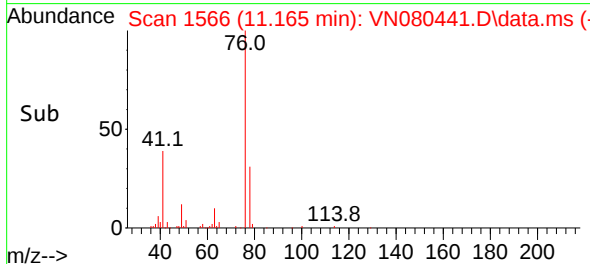
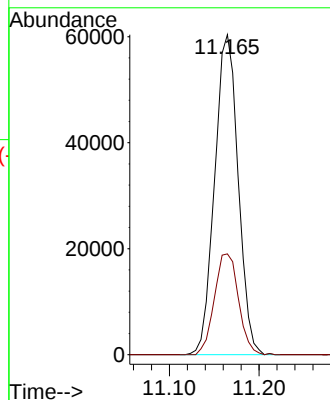
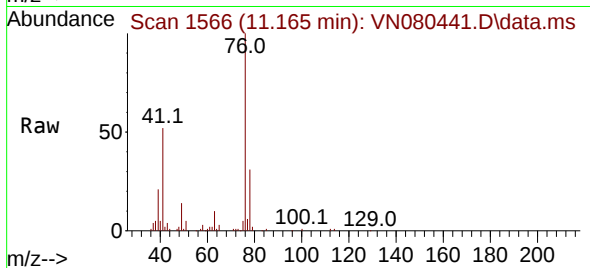
78 32.3 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2023

Supervised By :Mahesh Dadoda 12/13/2023



#58

2-Chloroethyl Vinyl ether

Concen: 100.467 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN080441.D

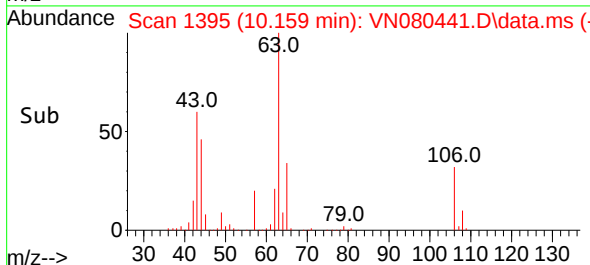
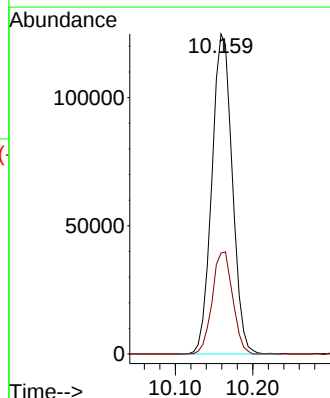
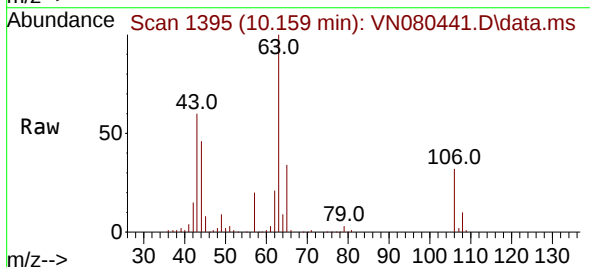
Acq: 12 Dec 2023 16:40

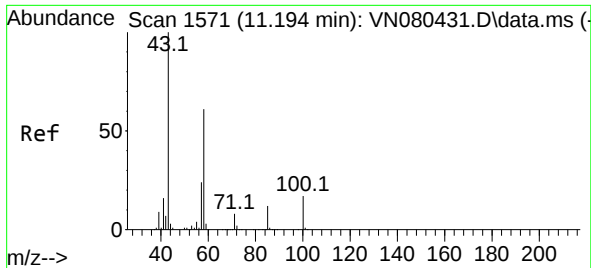
Tgt Ion: 63 Resp: 228605

Ion Ratio Lower Upper

63 100

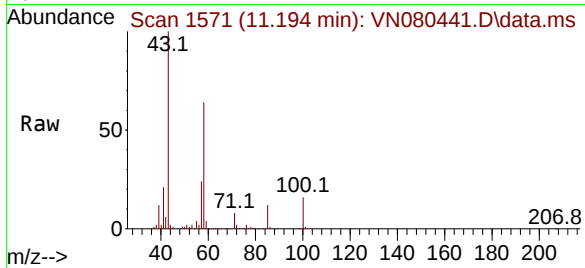
106 31.9 26.2 39.4





#59
2-Hexanone
Concen: 95.874 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

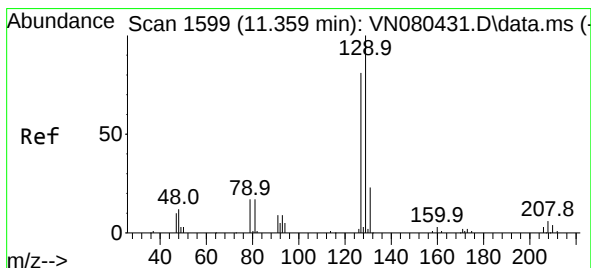
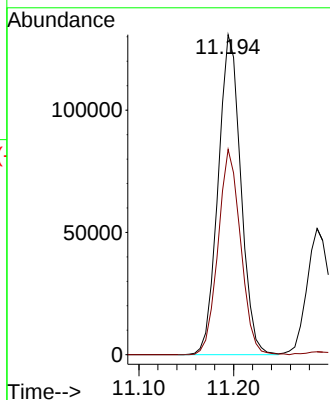
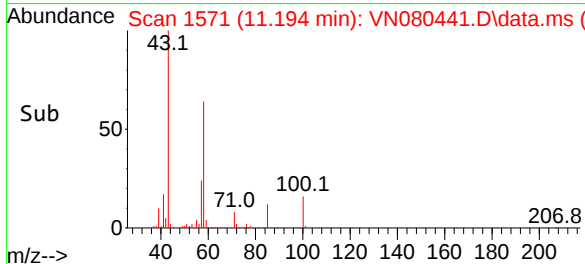
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



Tgt Ion: 43 Resp: 217680
Ion Ratio Lower Upper
43 100
58 63.8 31.7 95.1

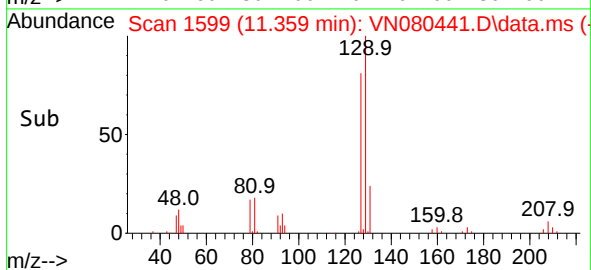
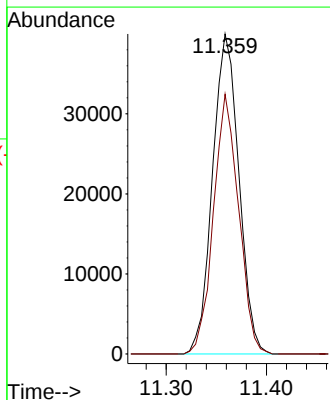
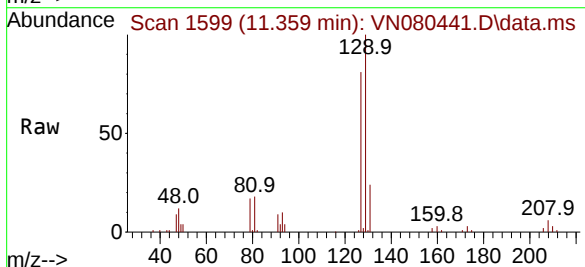
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#60
Dibromochloromethane
Concen: 18.929 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

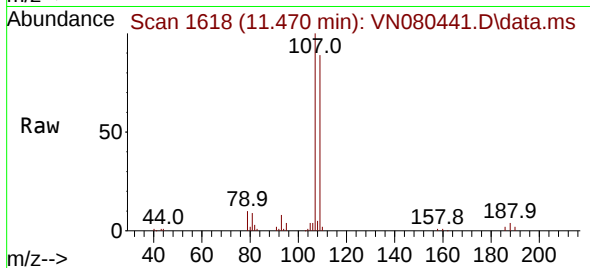
Tgt Ion:129 Resp: 73022
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





#61
1,2-Dibromoethane
Concen: 19.419 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

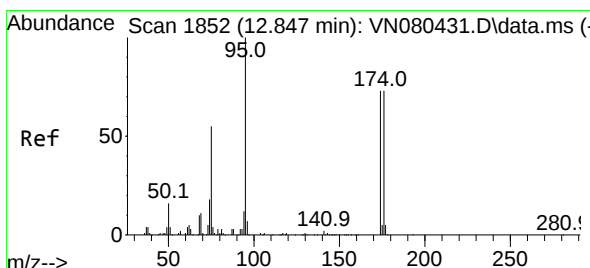
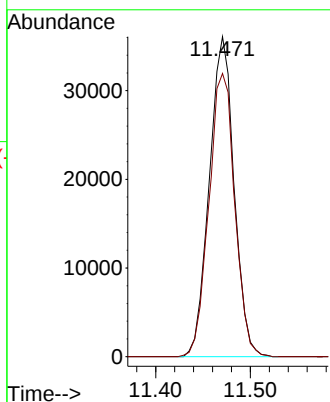
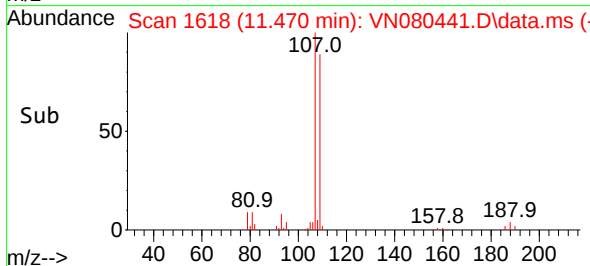
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



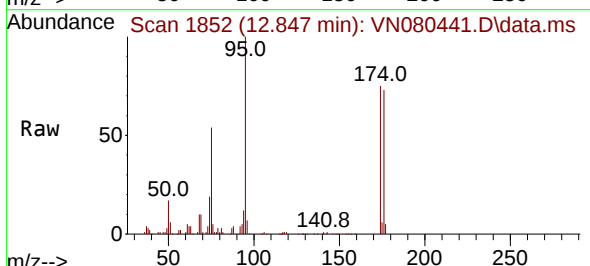
Tgt Ion:107 Resp: 65430
Ion Ratio Lower Upper
107 100
109 92.4 76.6 114.8

Manual Integrations
APPROVED

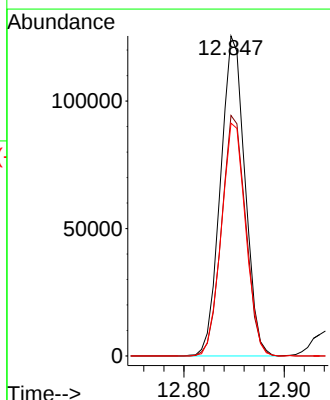
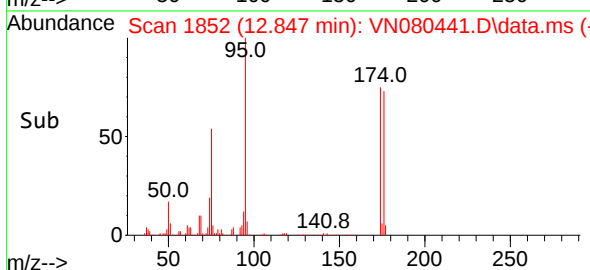
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

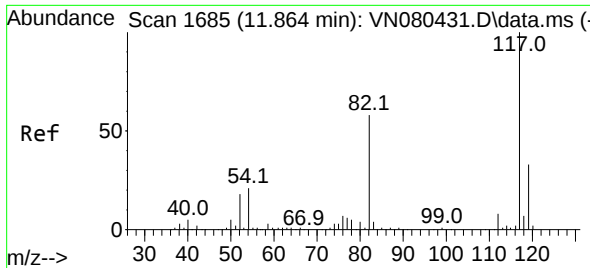


#62
4-Bromofluorobenzene
Concen: 49.288 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



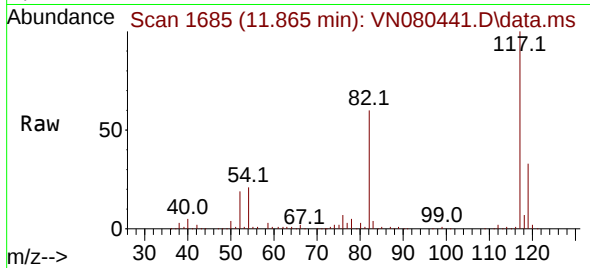
Tgt Ion: 95 Resp: 211730
Ion Ratio Lower Upper
95 100
174 74.2 0.0 143.8
176 72.7 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

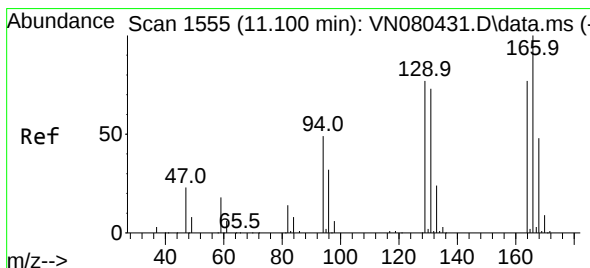
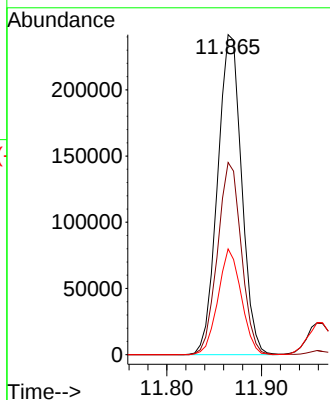
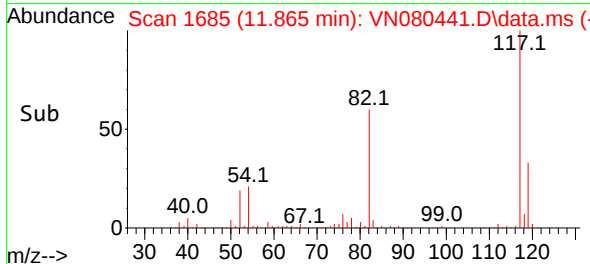
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



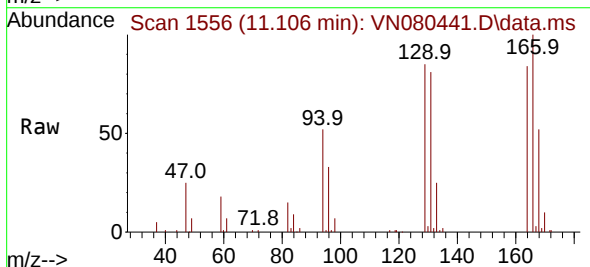
Tgt Ion:117 Resp: 42656
Ion Ratio Lower Upper
117 100
82 60.0 44.0 66.0
119 33.0 25.6 38.4

Manual Integrations
APPROVED

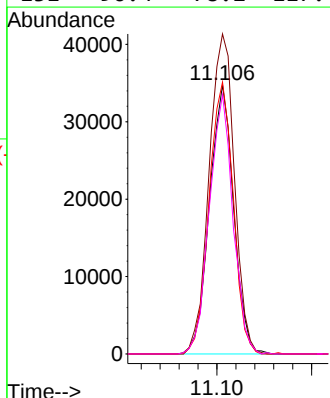
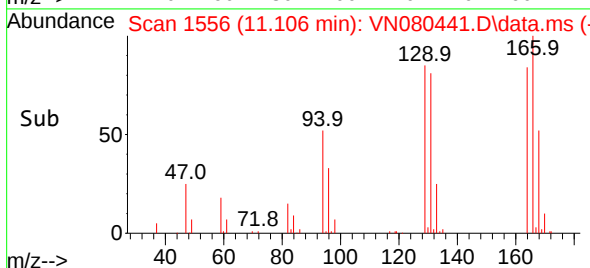
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

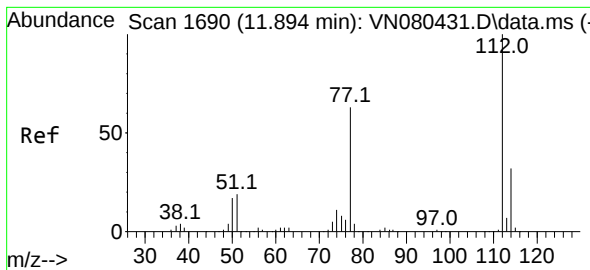


#64
Tetrachloroethene
Concen: 18.672 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



Tgt Ion:164 Resp: 61495
Ion Ratio Lower Upper
164 100
166 119.0 101.4 152.0
129 101.1 82.4 123.6
131 96.4 78.2 117.4





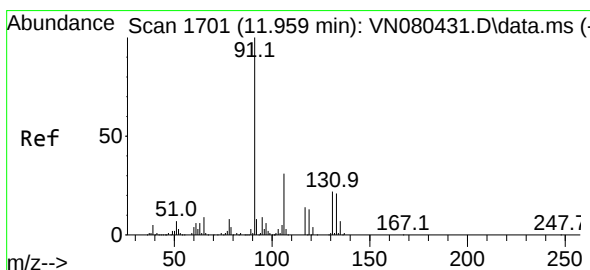
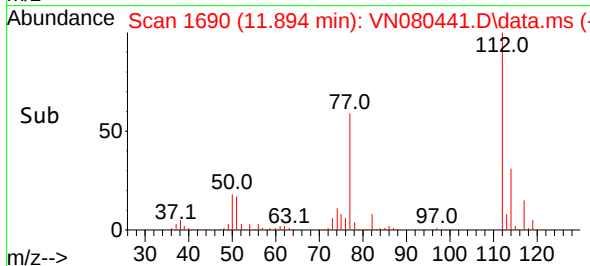
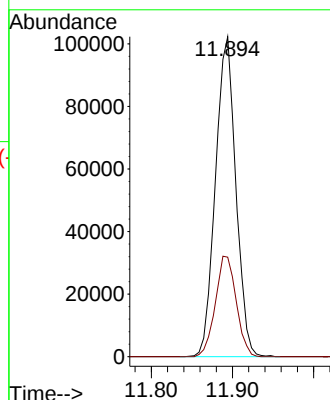
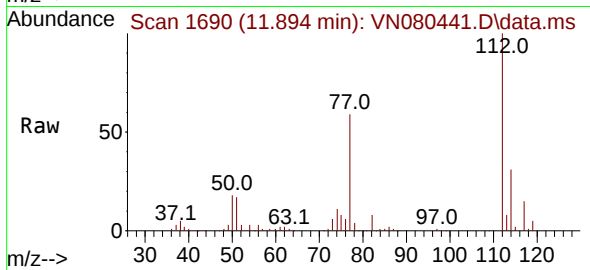
#65
Chlorobenzene
Concen: 18.811 ug/l
RT: 11.894 min Scan# 1112
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion:112 Resp: 17849
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.4

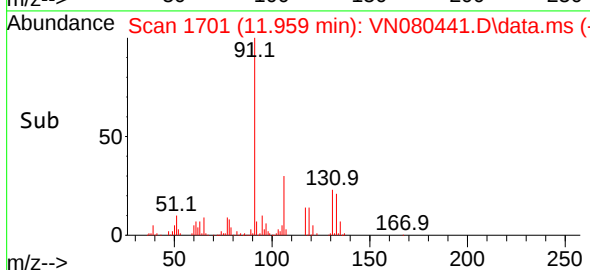
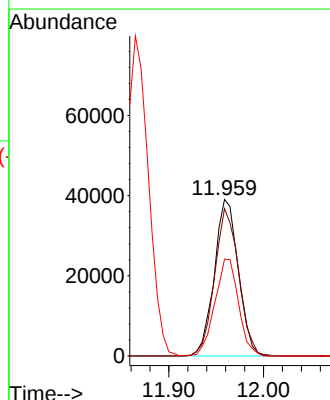
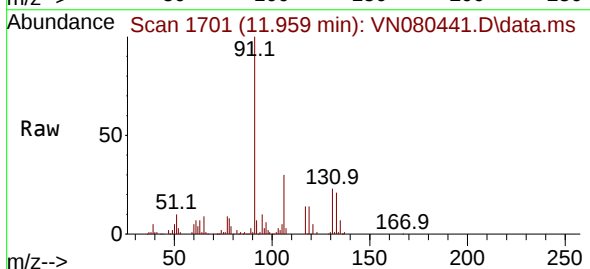
Manual Integrations
APPROVED

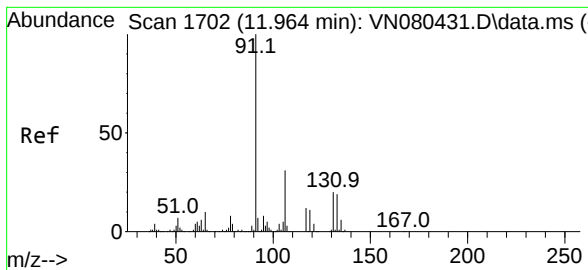
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 18.543 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion:131 Resp: 69042
Ion Ratio Lower Upper
131 100
133 93.9 46.4 139.1
119 60.9 34.1 102.2





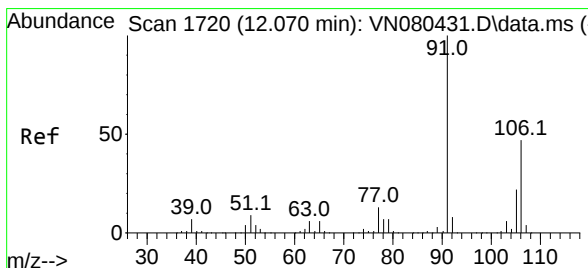
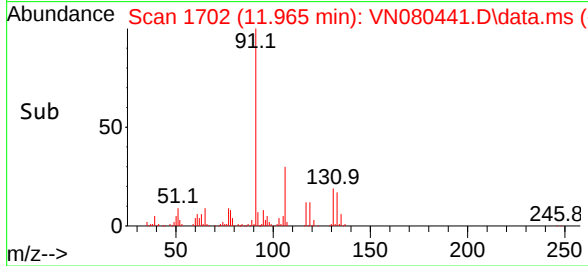
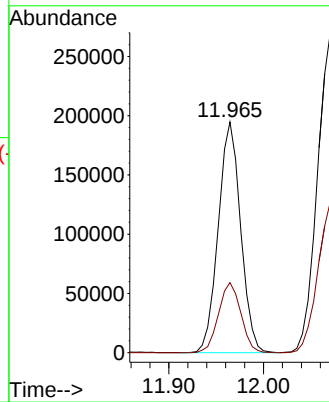
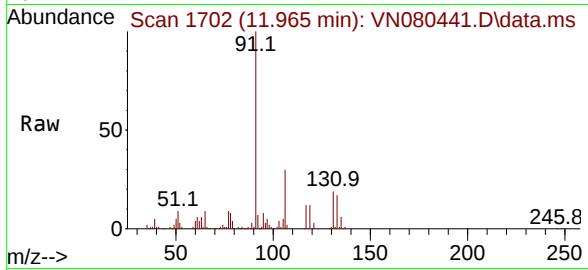
#67
Ethyl Benzene
Concen: 18.332 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion: 91 Resp: 31984
Ion Ratio Lower Upper
91 100
106 30.4 25.6 38.4

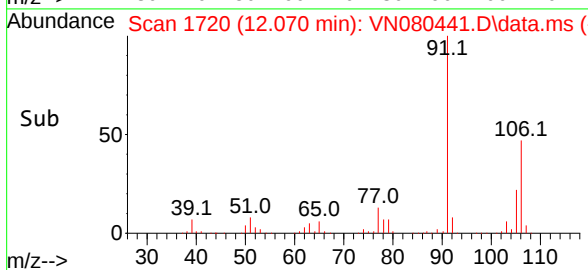
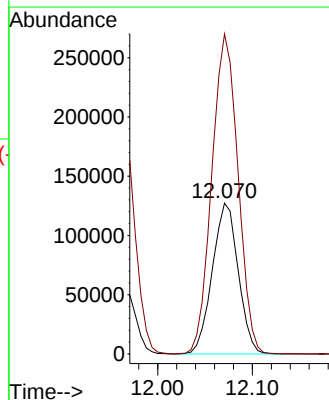
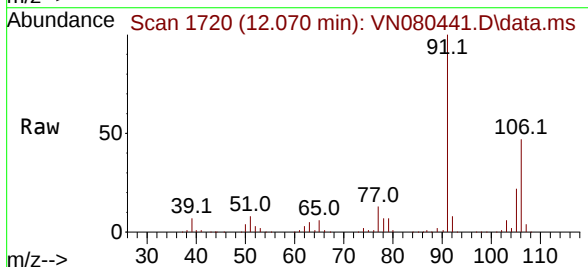
Manual Integrations
APPROVED

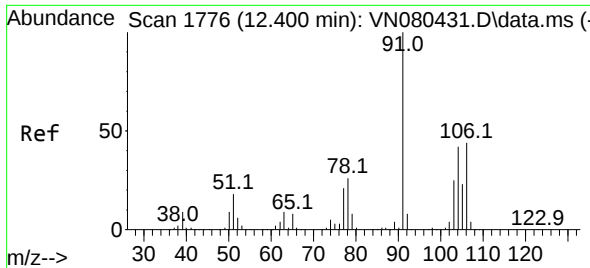
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#68
m/p-Xylenes
Concen: 37.506 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion:106 Resp: 241818
Ion Ratio Lower Upper
106 100
91 214.7 159.6 239.4





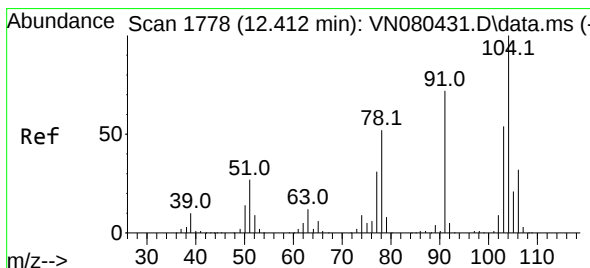
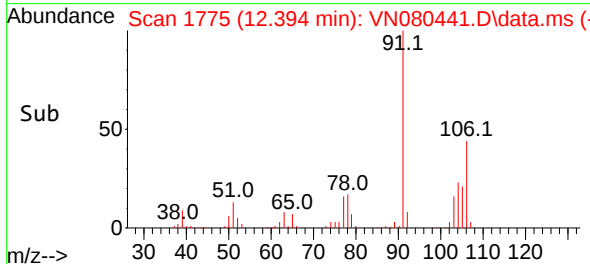
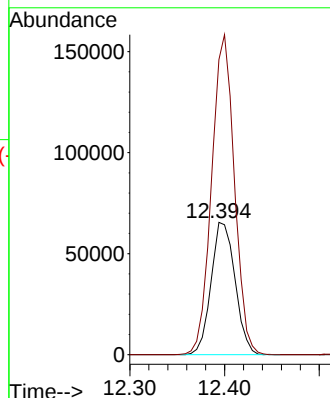
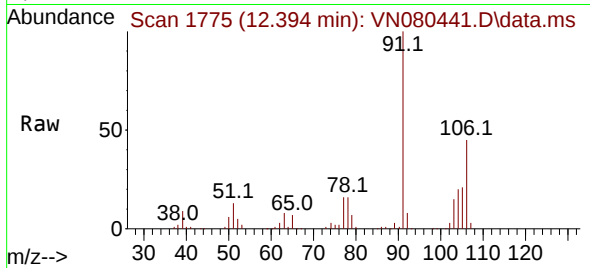
#69
o-Xylene
Concen: 18.247 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion:106 Resp: 115074
Ion Ratio Lower Upper
106 100
91 230.0 105.2 315.5

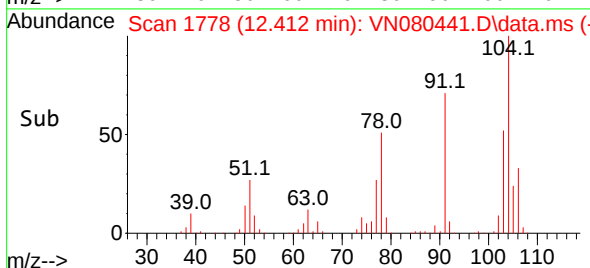
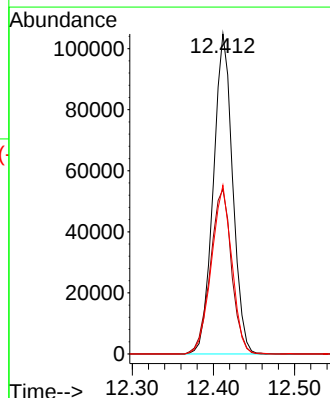
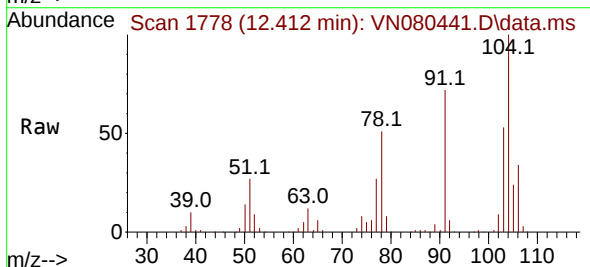
Manual Integrations
APPROVED

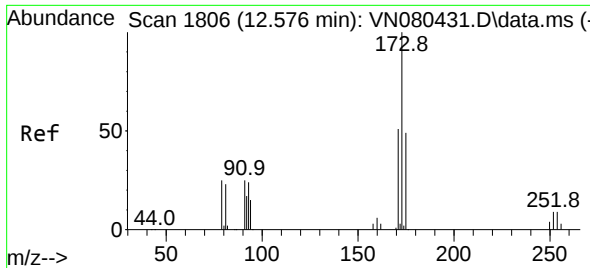
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#70
Styrene
Concen: 19.109 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

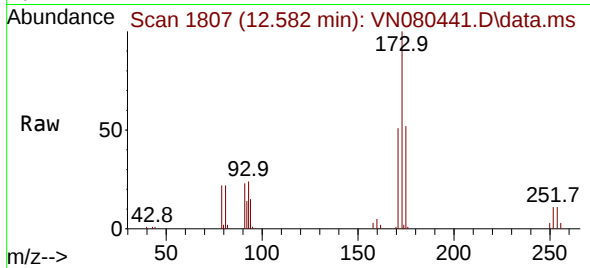
Tgt Ion:104 Resp: 173580
Ion Ratio Lower Upper
104 100
78 56.3 39.5 59.3
103 55.5 43.2 64.8





#71
Bromoform
Concen: 18.032 ug/l
RT: 12.582 min Scan# 1806
Delta R.T. 0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

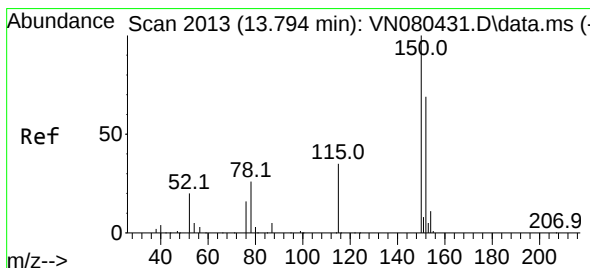
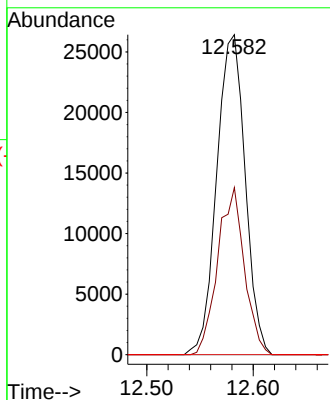
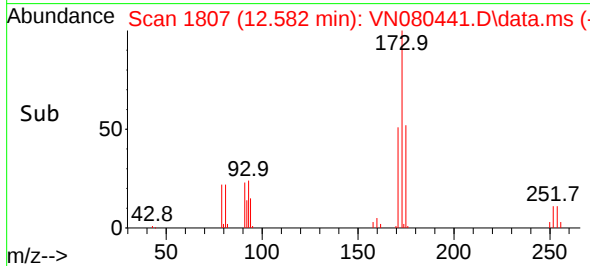
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



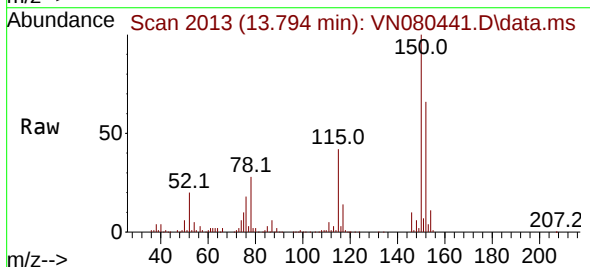
Tgt Ion:173 Resp: 48960
Ion Ratio Lower Upper
173 100
175 48.9 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

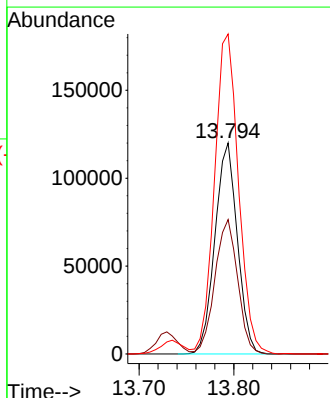
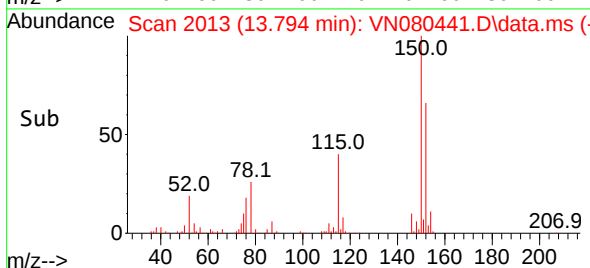
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

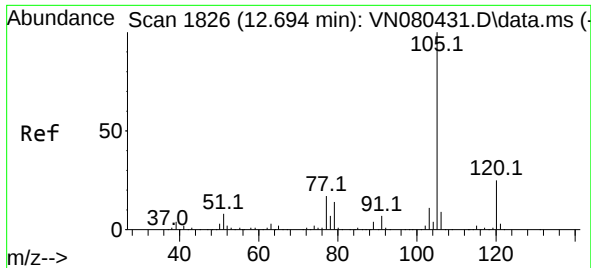


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



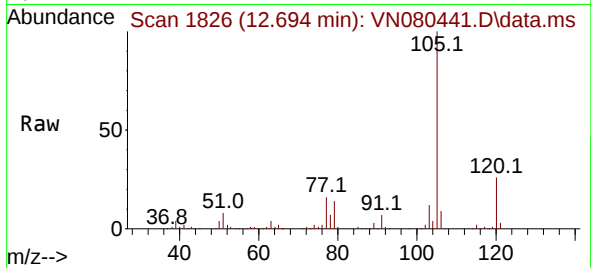
Tgt Ion:152 Resp: 197637
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 162.1 0.0 355.8





#73
Isopropylbenzene
Concen: 19.048 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

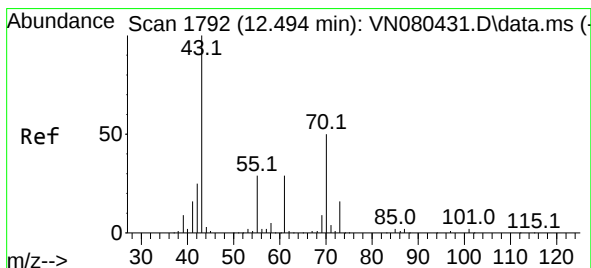
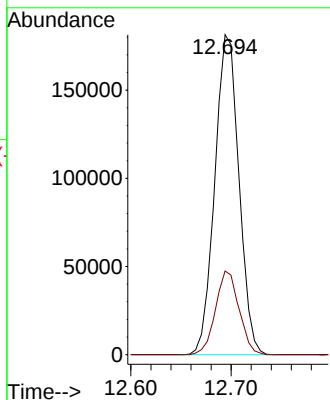
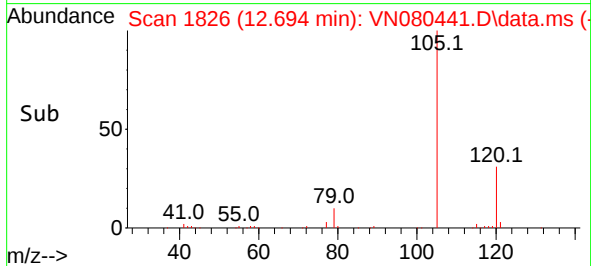
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



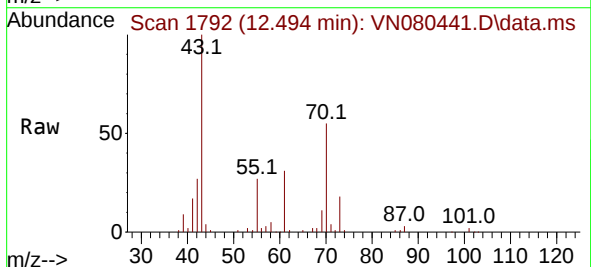
Tgt Ion:105 Resp: 302425
Ion Ratio Lower Upper
105 100
120 25.4 13.1 39.1

Manual Integrations
APPROVED

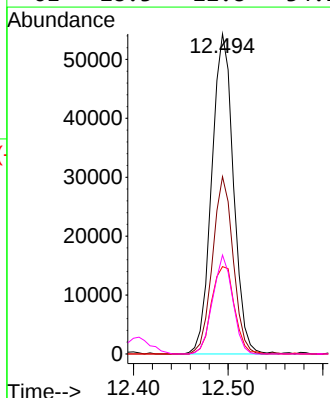
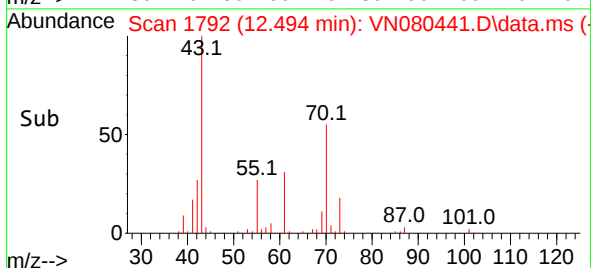
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

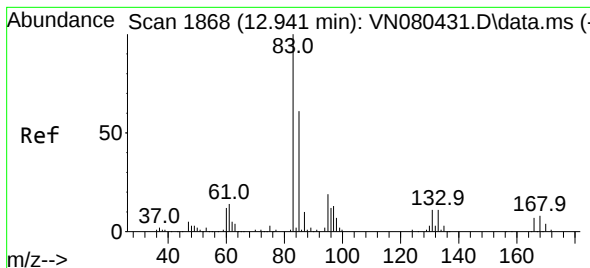


#74
N-ethyl acetate
Concen: 18.638 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



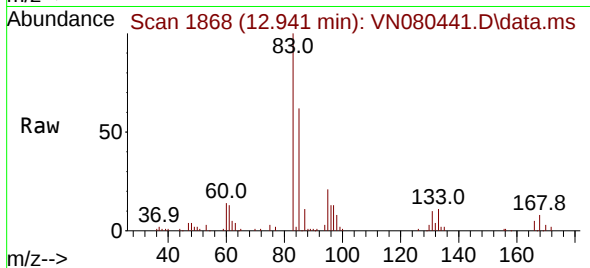
Tgt Ion: 43 Resp: 86410
Ion Ratio Lower Upper
43 100
70 52.5 43.4 65.2
55 28.9 21.4 32.0
61 28.3 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.056 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

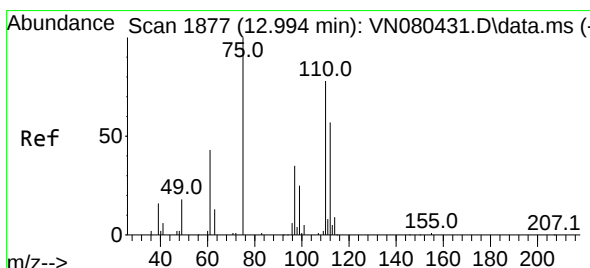
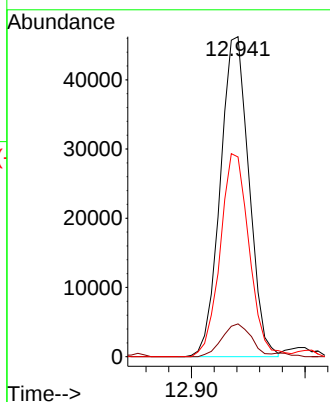
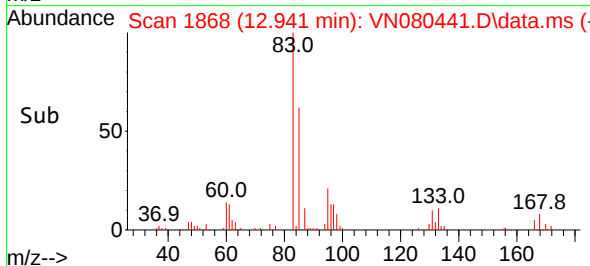
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



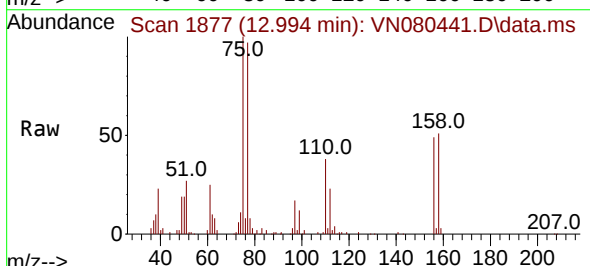
Tgt Ion: 83 Resp: 81070
Ion Ratio Lower Upper
83 100
131 10.6 5.0 15.0
85 64.2 31.9 95.7

Manual Integrations
APPROVED

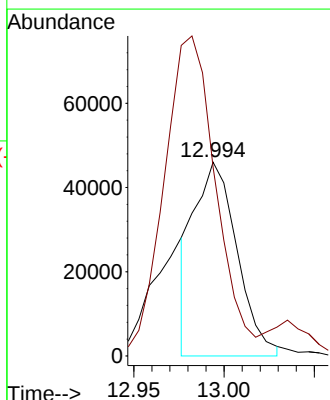
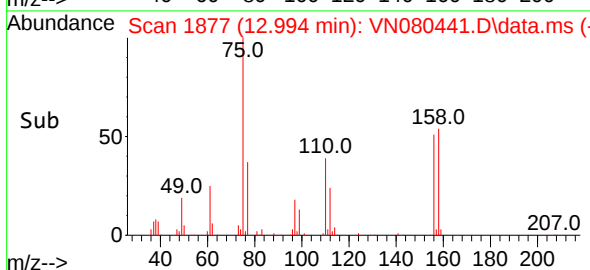
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

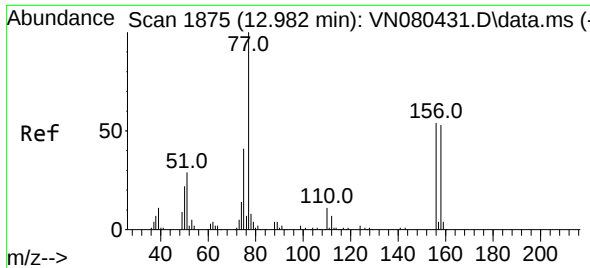


#76
1,2,3-Trichloropropane
Concen: 19.358 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



Tgt Ion: 75 Resp: 76324
Ion Ratio Lower Upper
75 100
77 198.9 84.5 253.5





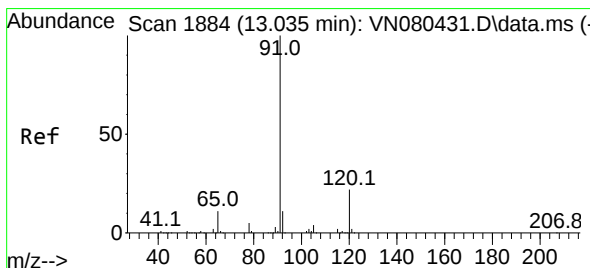
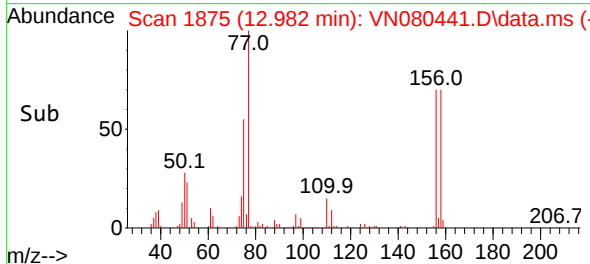
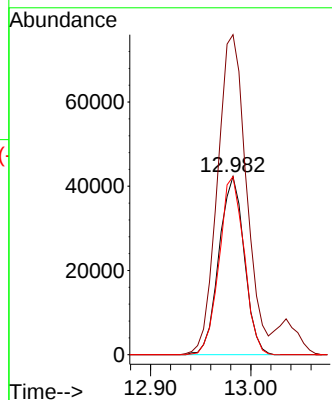
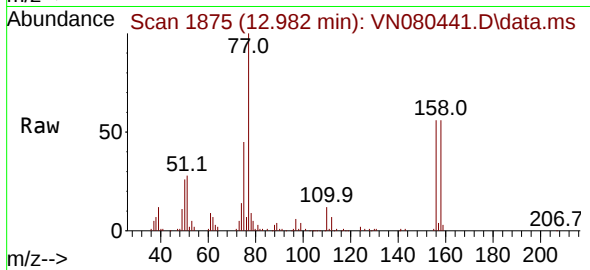
#77
Bromobenzene
Concen: 18.928 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion:156 Resp: 73925
Ion Ratio Lower Upper
156 100
77 205.3 107.7 323.3
158 98.4 48.4 145.3

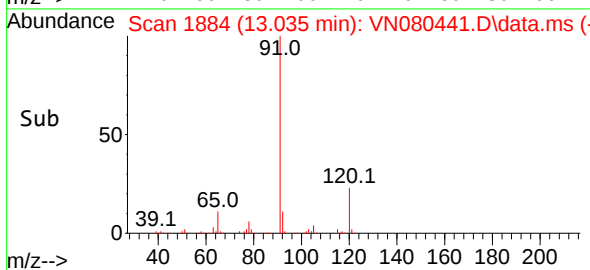
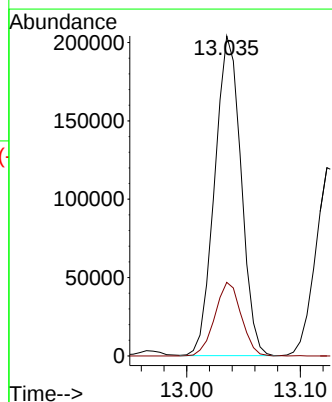
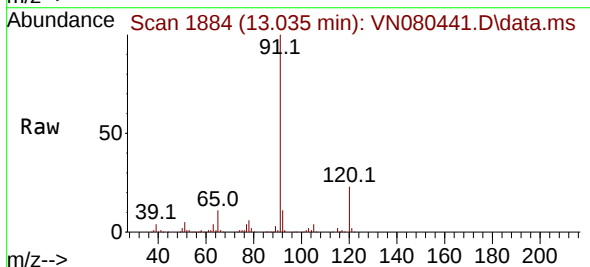
Manual Integrations
APPROVED

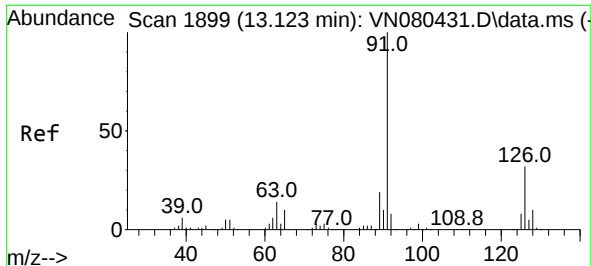
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#78
n-propylbenzene
Concen: 18.810 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion: 91 Resp: 329262
Ion Ratio Lower Upper
91 100
120 23.0 11.5 34.4





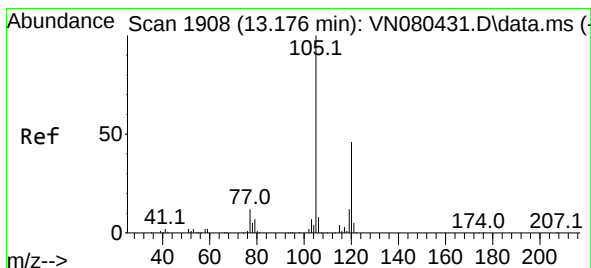
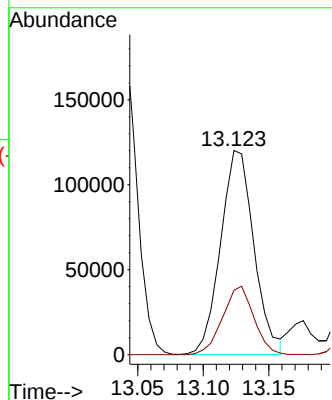
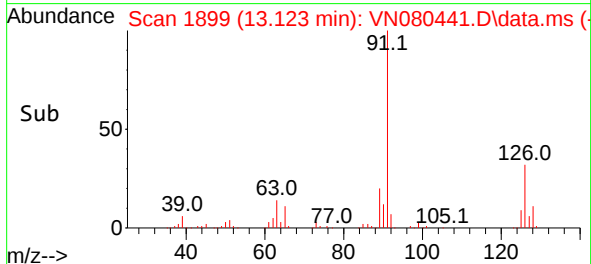
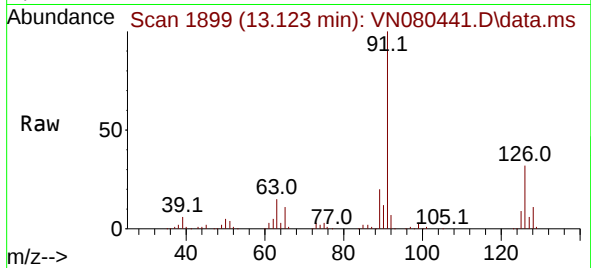
#79
2-Chlorotoluene
Concen: 18.635 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion: 91 Resp: 21297
Ion Ratio Lower Upper
91 100
126 31.4 16.3 48.8

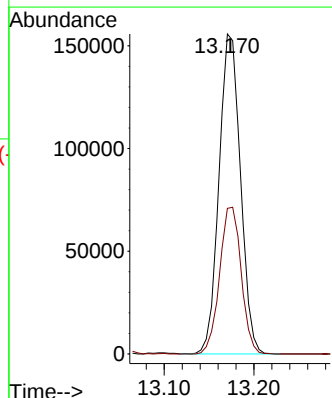
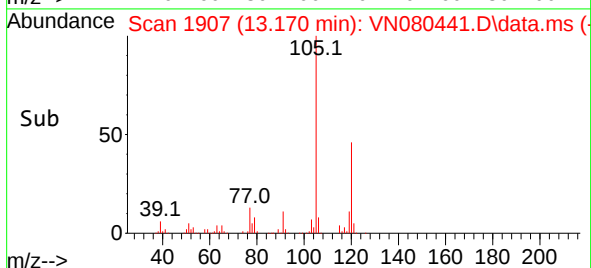
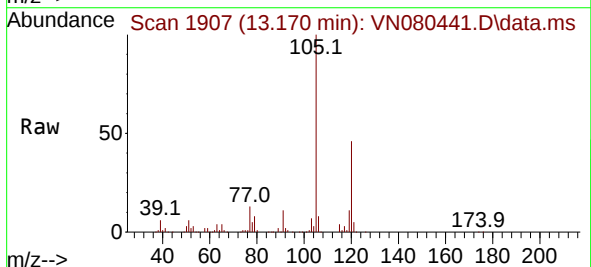
Manual Integrations
APPROVED

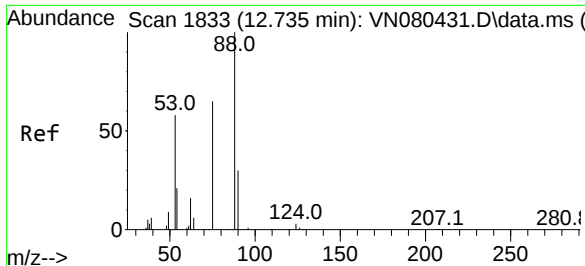
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#80
1,3,5-Trimethylbenzene
Concen: 18.913 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

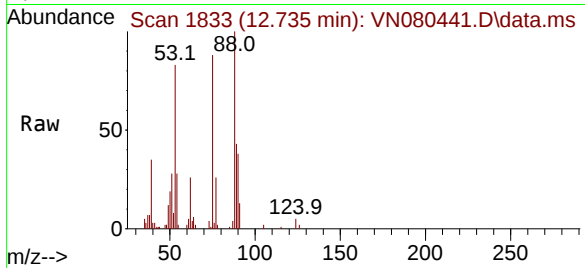
Tgt Ion:105 Resp: 258616
Ion Ratio Lower Upper
105 100
120 46.1 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 18.460 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

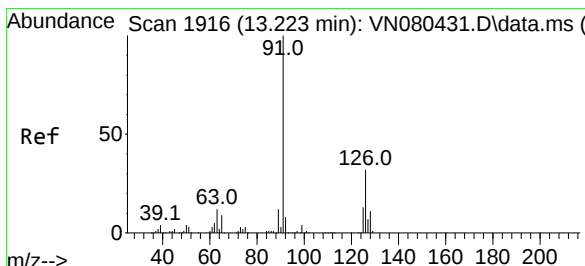
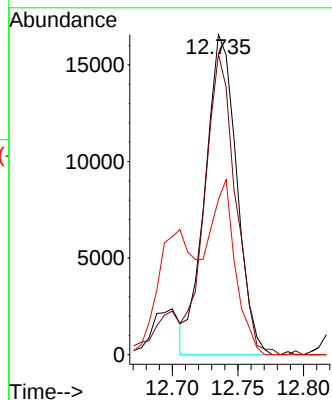
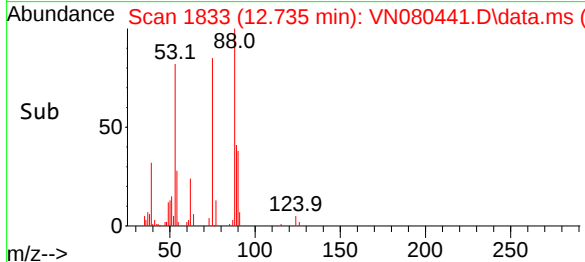
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



Tgt Ion: 75 Resp: 2772
Ion Ratio Lower Upper
75 100
53 104.1 67.4 101.2
89 47.8 38.8 58.2

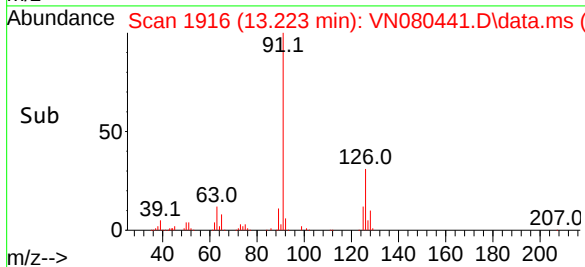
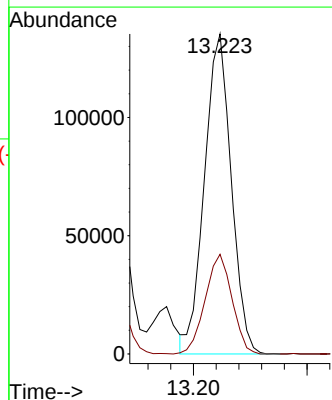
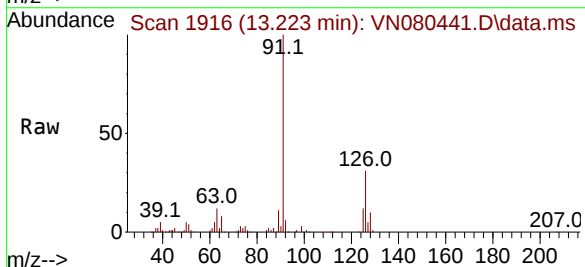
Manual Integrations
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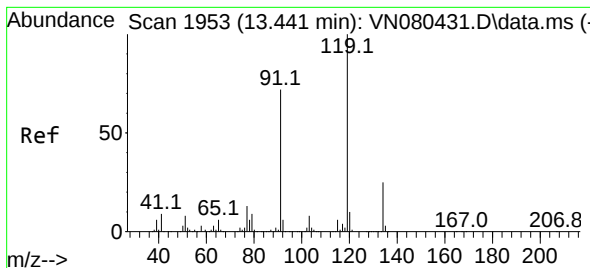
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#82
4-Chlorotoluene
Concen: 18.872 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

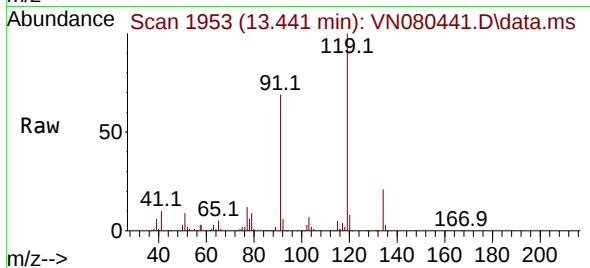
Tgt Ion: 91 Resp: 221689
Ion Ratio Lower Upper
91 100
126 31.1 16.7 50.0





#83
tert-Butylbenzene
Concen: 19.169 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

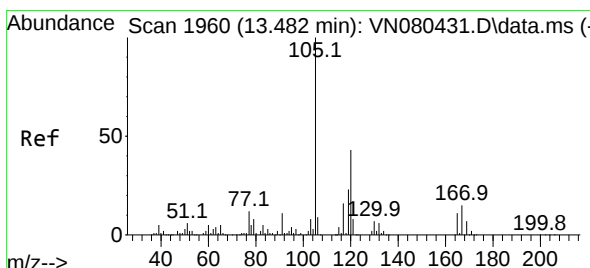
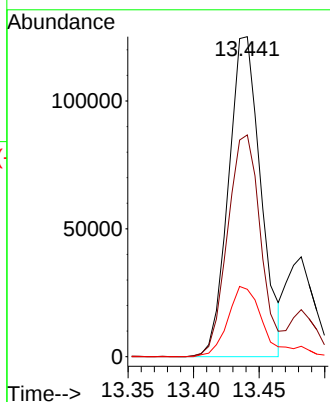
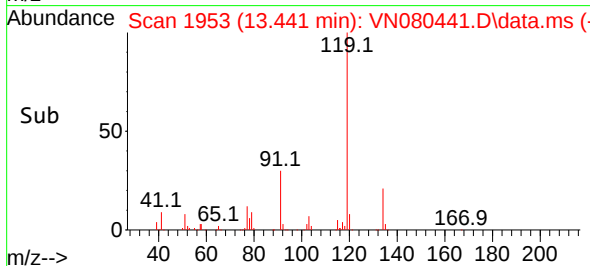
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



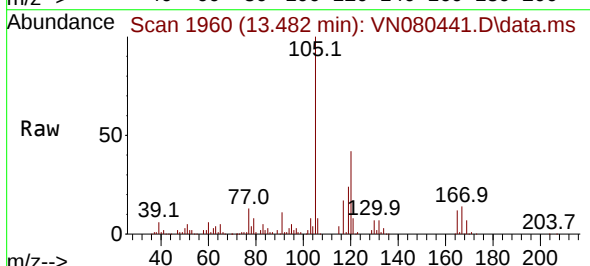
Tgt Ion:119 Resp: 21465
Ion Ratio Lower Upper
119 100
91 70.5 33.9 101.7
134 24.9 13.2 39.6

Manual Integrations
APPROVED

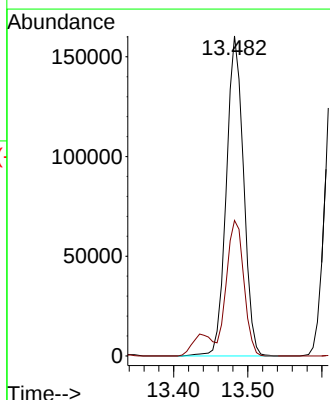
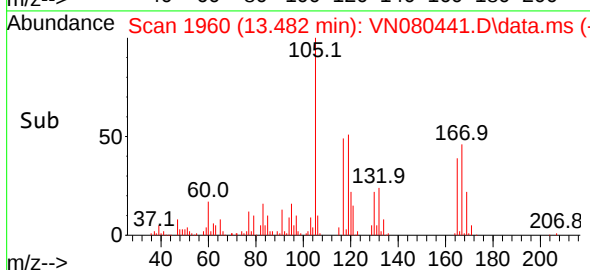
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

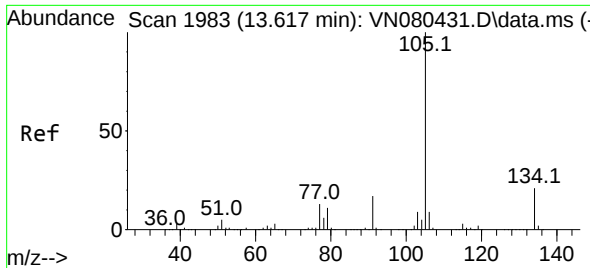


#84
1,2,4-Trimethylbenzene
Concen: 19.012 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



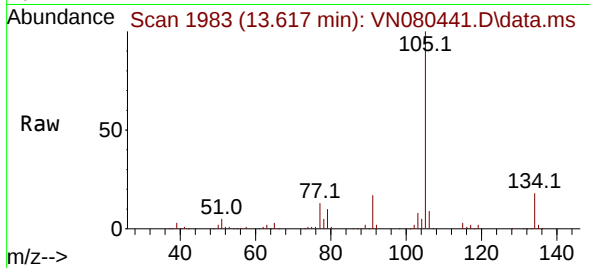
Tgt Ion:105 Resp: 258628
Ion Ratio Lower Upper
105 100
120 42.3 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 18.539 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40

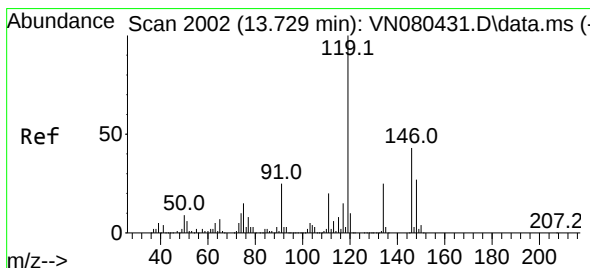
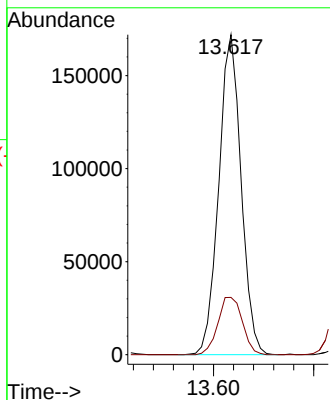
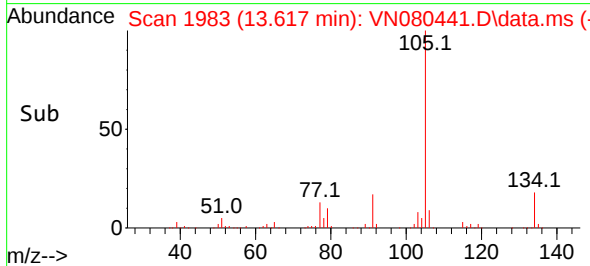
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01



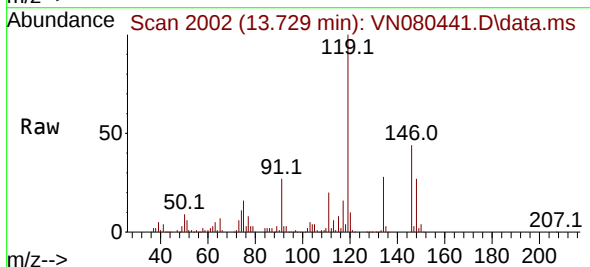
Tgt Ion:105 Resp: 26557
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.3

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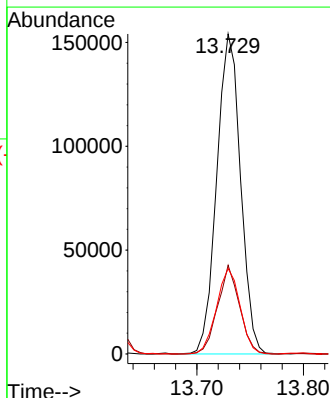
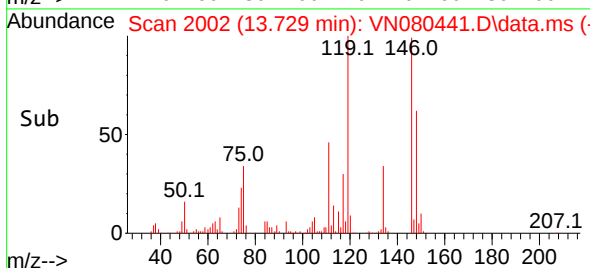
Reviewed By :John Carlone 12/13/2023
 Supervised By :Mahesh Dadoda 12/13/2023

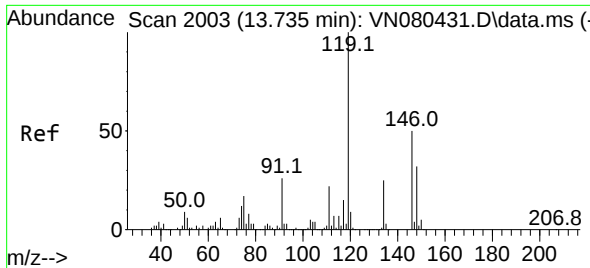


#86
 p-Isopropyltoluene
 Concen: 18.453 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080441.D
 Acq: 12 Dec 2023 16:40



Tgt Ion:119 Resp: 238683
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.8
 91 26.4 12.4 37.2





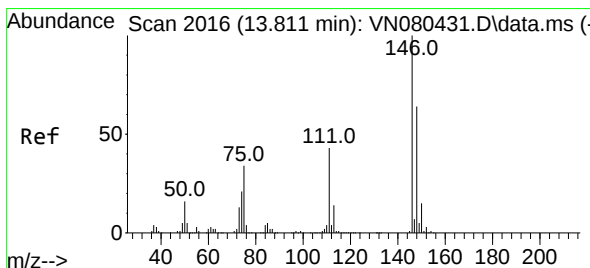
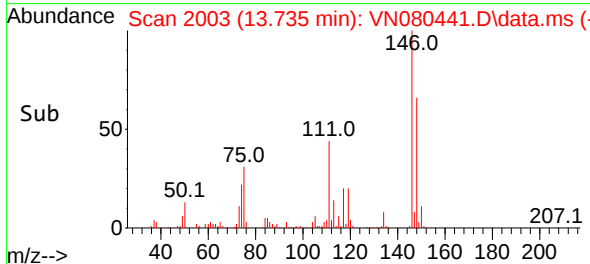
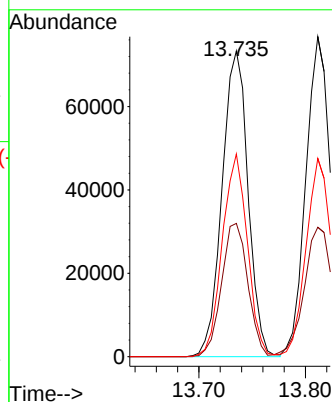
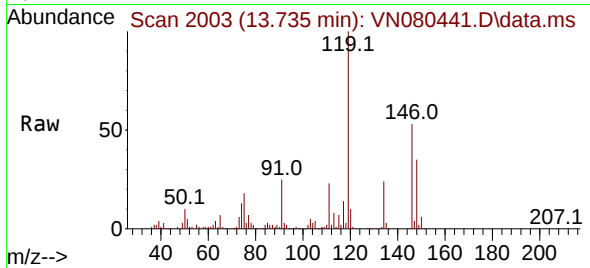
#87
1,3-Dichlorobenzene
Concen: 18.053 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion:146 Resp: 124225
Ion Ratio Lower Upper
146 100
111 44.3 22.1 66.3
148 63.9 32.0 96.0

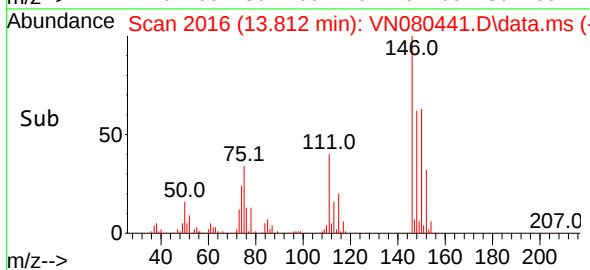
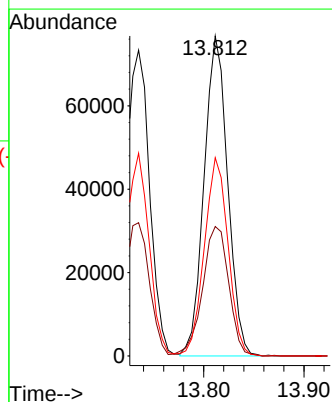
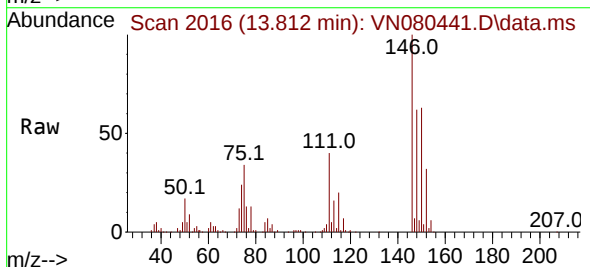
Manual Integrations
APPROVED

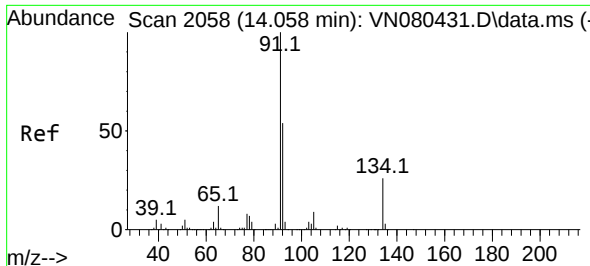
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#88
1,4-Dichlorobenzene
Concen: 18.103 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion:146 Resp: 125750
Ion Ratio Lower Upper
146 100
111 44.8 20.6 61.8
148 62.4 31.6 94.8





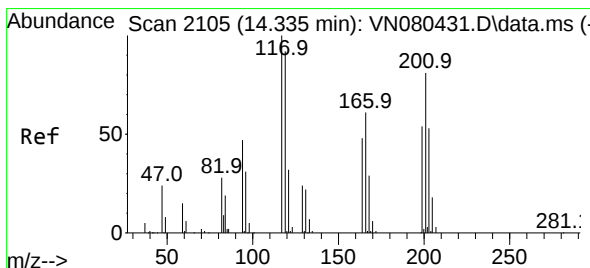
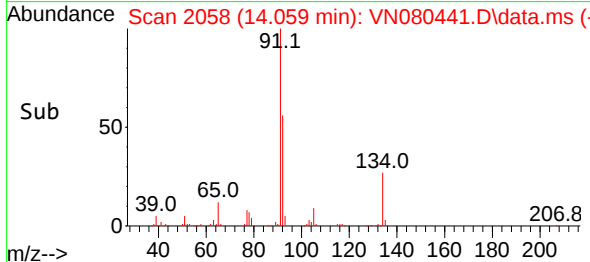
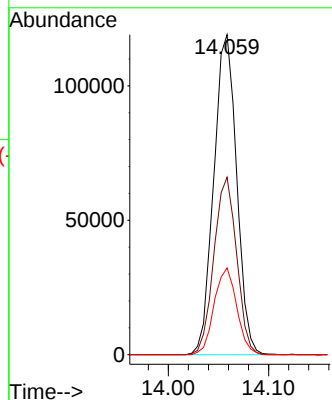
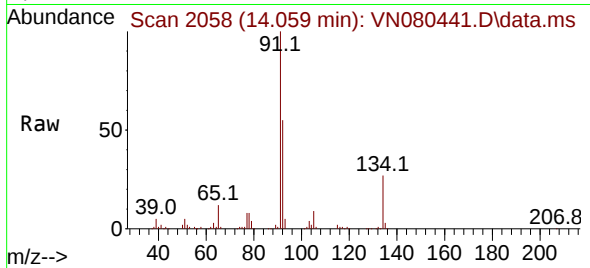
#89
n-Butylbenzene
Concen: 17.435 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion: 91 Resp: 18833
Ion Ratio Lower Upper
91 100
92 55.0 26.4 79.0
134 26.7 12.6 37.6

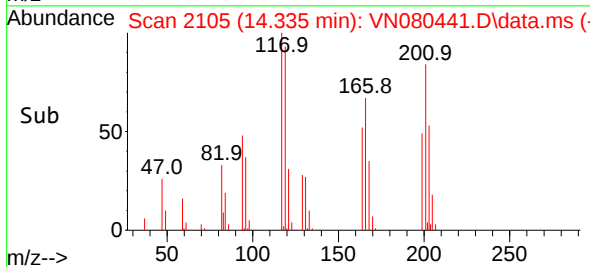
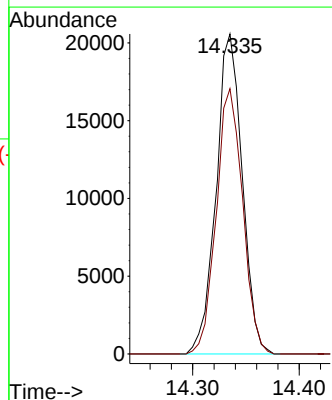
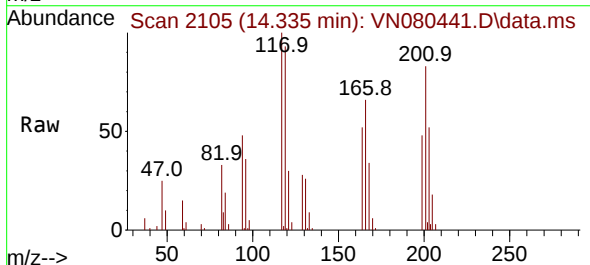
Manual Integrations
APPROVED

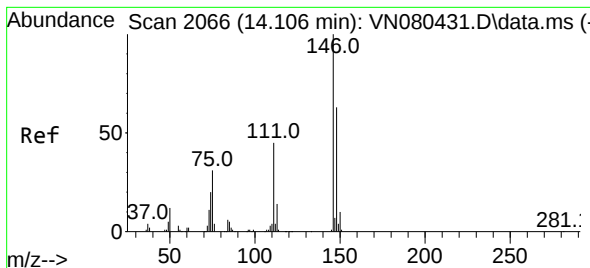
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#90
Hexachloroethane
Concen: 17.062 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion:117 Resp: 35049
Ion Ratio Lower Upper
117 100
201 83.7 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 18.304 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

Tgt Ion:146 Resp: 11960

Ion Ratio Lower Upper

146 100

111 45.9 22.0 66.0

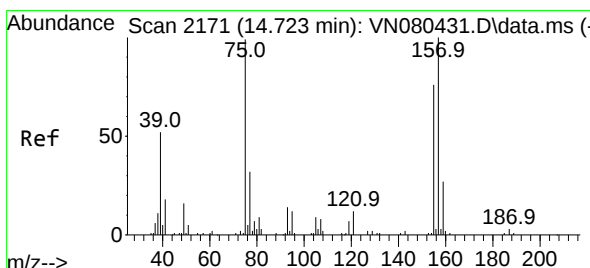
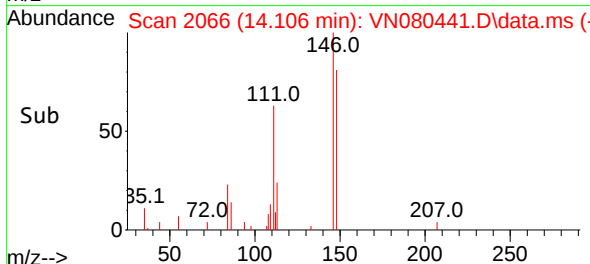
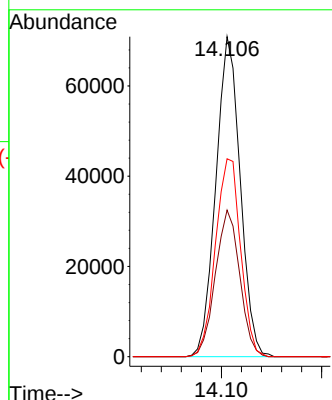
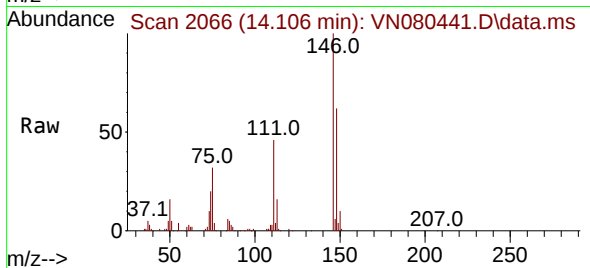
148 63.6 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2023

Supervised By :Mahesh Dadoda 12/13/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.341 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.006 min

Lab File: VN080441.D

Acq: 12 Dec 2023 16:40

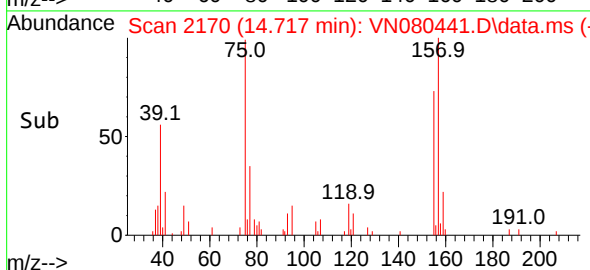
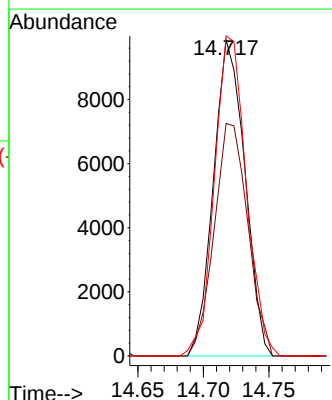
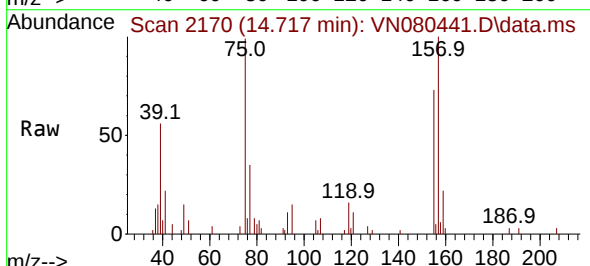
Tgt Ion: 75 Resp: 16413

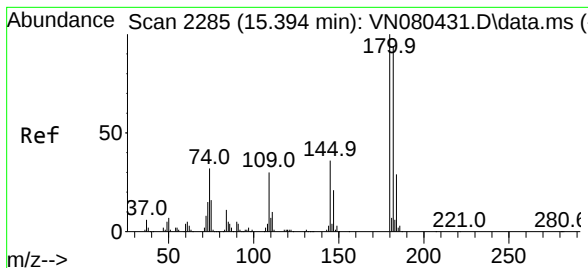
Ion Ratio Lower Upper

75 100

155 78.5 39.1 117.2

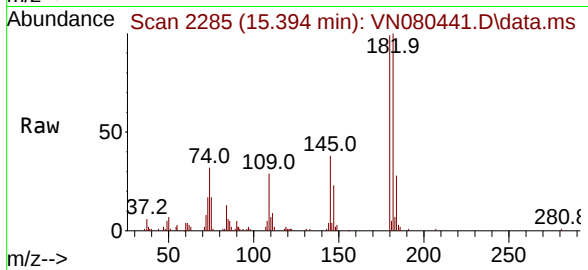
157 102.0 50.3 150.9





#93
1,2,4-Trichlorobenzene
Concen: 17.530 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

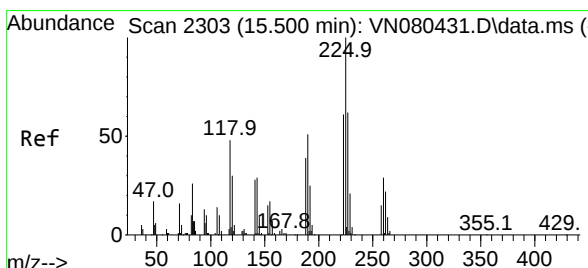
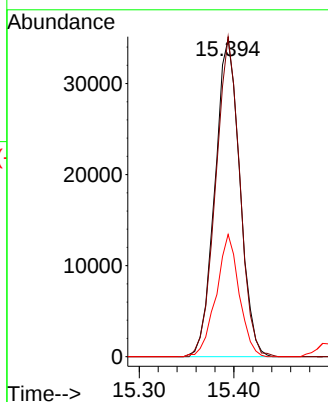
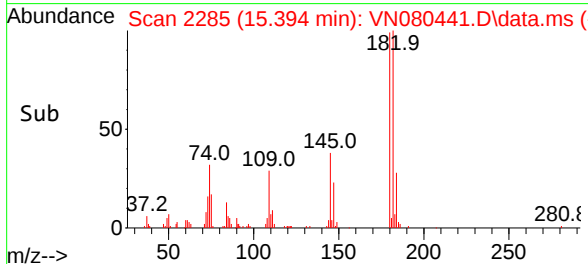
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



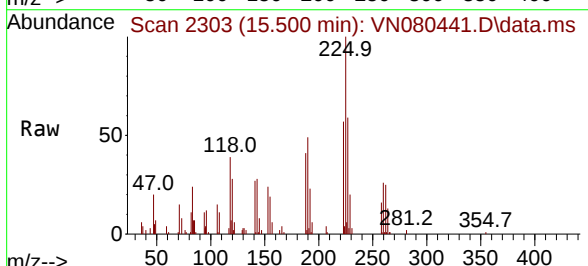
Tgt Ion:180 Resp: 63598
Ion Ratio Lower Upper
180 100
182 97.4 46.1 138.2
145 35.6 16.6 49.8

Manual Integrations
APPROVED

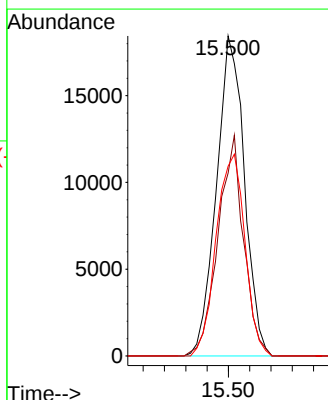
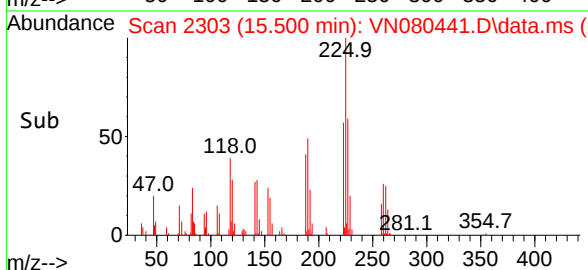
Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023

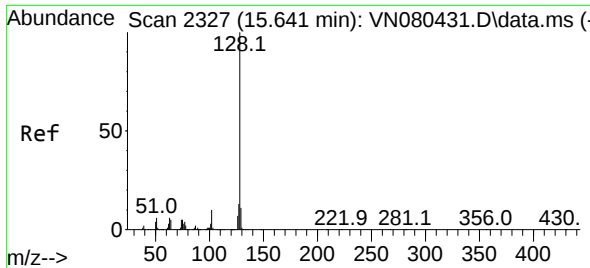


#94
Hexachlorobutadiene
Concen: 16.223 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40



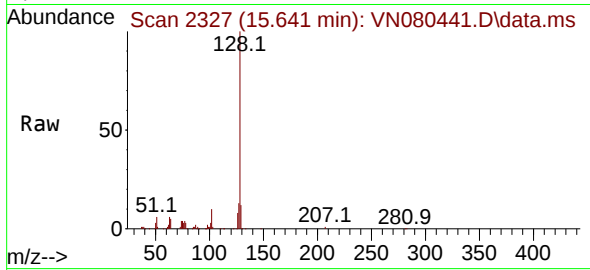
Tgt Ion:225 Resp: 33507
Ion Ratio Lower Upper
225 100
223 63.2 31.3 93.8
227 65.1 31.9 95.9





#95
Naphthalene
Concen: 18.193 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

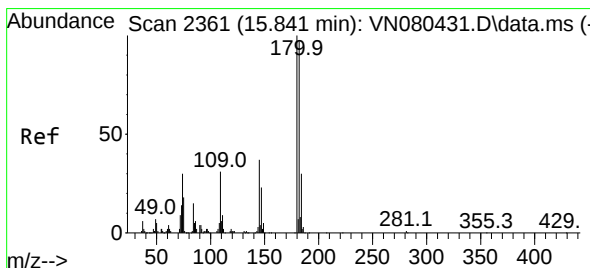
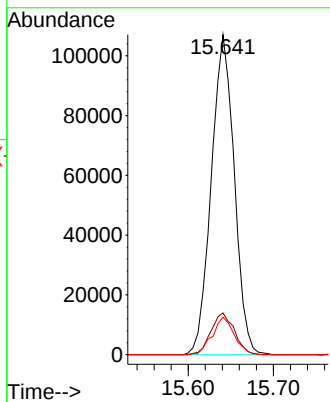
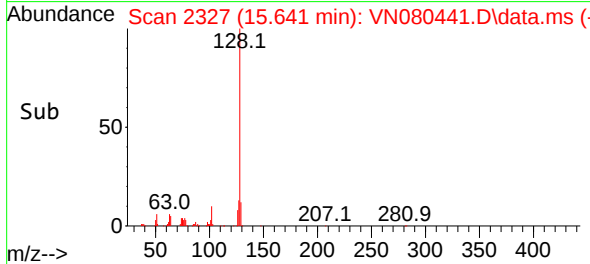
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01



Tgt Ion:128 Resp: 200424
Ion Ratio Lower Upper
128 100
127 13.3 10.0 15.0
129 11.2 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2023
Supervised By :Mahesh Dadoda 12/13/2023



#96
1,2,3-Trichlorobenzene
Concen: 18.156 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN080441.D
Acq: 12 Dec 2023 16:40

Tgt Ion:180 Resp: 63562
Ion Ratio Lower Upper
180 100
182 91.3 46.2 138.6
145 35.9 17.5 52.6

