

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
 Data File : VN080045.D
 Acq On : 10 Nov 2023 11:35
 Operator : JC\MD
 Sample : VN1110WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 23:55:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	73199	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	372451	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	370067	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	180558	29.385	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.967%		
60) 4-Bromofluorobenzene	12.853	95	159972	27.032	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.100%		
63) Toluene-d8	10.571	98	499515	28.488	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.967%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	87394	18.311	ug/l	96
3) Chloromethane	2.359	50	105489	17.545	ug/l	99
4) Vinyl Chloride	2.512	62	89588	17.831	ug/l	99
5) Bromomethane	2.959	94	50536	18.370	ug/l	94
6) Chloroethane	3.118	64	55481	19.011	ug/l	100
7) Trichlorofluoromethane	3.495	101	139835	18.545	ug/l	100
8) Diethyl Ether	3.959	74	49164	18.162	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	80534	18.904	ug/l	96
10) 1,1-Dichloroethene	4.342	96	74144	19.673	ug/l	94
11) Methyl Iodide	4.595	142	87138	17.481	ug/l	97
12) Methyl Acetate	5.024	43	180164	18.439	ug/l	100
13) Acrolein	4.183	56	70326	85.190	ug/l	98
14) Acrylonitrile	5.718	53	207191	89.278	ug/l	98
15) Acetone	4.424	58	61373	78.319	ug/l	82
16) Carbon Disulfide	4.718	76	222607	17.298	ug/l	97
17) Allyl chloride	5.030	41	111045	16.862	ug/l	97
18) Methylene Chloride	5.277	84	94591	18.716	ug/l	97
19) trans-1,2-Dichloroethene	5.789	96	85564	18.316	ug/l	94
20) Diisopropyl ether	6.677	45	283272	18.407	ug/l	98
21) 1,1-Dichloroethane	6.565	63	170276	18.536	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	97862	18.053	ug/l	98
23) tert-Butyl Alcohol	5.518	59	56301m	89.878	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	247642	17.846	ug/l	98
25) Chloroform	7.971	83	176024	18.563	ug/l	92
26) Cyclohexane	8.259	56	123327	17.066	ug/l #	99
29) 1,1-Dichloropropene	8.377	75	125340	19.608	ug/l	98
30) 2-Butanone	7.483	43	275201	90.148	ug/l	99
31) 2,2-Dichloropropane	7.494	77	137684	19.929	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	148584	20.361	ug/l	99
33) Carbon Tetrachloride	8.365	117	129223	20.147	ug/l	98
34) Benzene	8.606	78	377630	19.887	ug/l	99
35) Methacrylonitrile	7.783	41	59957	18.733	ug/l	97
36) 1,2-Dichloroethane	8.671	62	140626	20.463	ug/l	100
37) Trichloroethene	9.353	130	89746	19.653	ug/l	96
38) Methylcyclohexane	9.606	83	109780	18.290	ug/l	99
39) 1,2-Dichloropropane	9.624	63	98546	19.607	ug/l	99
40) Dibromomethane	9.712	93	67065	20.643	ug/l	97
41) Bromodichloromethane	9.894	83	137934	20.500	ug/l	94
42) Vinyl Acetate	6.606	43	713075	94.039	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	115951	20.219	ug/l	97
44) Isopropyl Acetate	8.688	43	179384	19.197	ug/l	96
45) 1,4-Dioxane	9.694	88	28725	398.893	ug/l	95
46) Methyl methacrylate	9.688	41	86496	19.256	ug/l	93
47) n-amyl Acetate	12.500	43	122222	16.284	ug/l	93
48) t-1,3-Dichloropropene	10.841	75	132442	19.273	ug/l	90
49) cis-1,3-Dichloropropene	10.312	75	152670	20.097	ug/l	90
50) 1,1,2-Trichloroethane	11.024	97	96817	21.847	ug/l	95
51) Ethyl methacrylate	10.877	69	121329	19.048	ug/l	95
52) 1,3-Dichloropropane	11.165	76	178886	22.578	ug/l	100
53) Dibromochloromethane	11.359	129	94758	19.987	ug/l	99
54) 1,2-Dibromoethane	11.471	107	78789	17.705	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	283612	96.808	ug/l	98
56) Bromoform	12.582	173	59403	19.121	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	557414	90.159	ug/l	98
59) 2-Hexanone	11.200	43	435170	92.399	ug/l	95
61) Tetrachloroethene	11.106	164	87451	20.156	ug/l	94
62) Toluene	10.635	91	395776	18.491	ug/l	99
64) Chlorobenzene	11.894	112	234320	18.345	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.965	131	100865	21.527	ug/l	94
66) Ethyl Benzene	11.965	91	445228	19.795	ug/l	99
67) m/p-Xylenes	12.076	106	275823	32.940	ug/l	94
68) o-Xylene	12.400	106	132960	16.566	ug/l	97
69) Styrene	12.418	104	223561	16.826	ug/l	98
70) Isopropylbenzene	12.700	105	337685	16.867	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	113119	16.589	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	105723m	16.687	ug/l	
73) Bromobenzene	12.982	156	87233	17.724	ug/l	99
74) n-propylbenzene	13.041	91	403156	16.833	ug/l	99
75) 2-Chlorotoluene	13.129	91	261060	17.149	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	298338	18.017	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	32580	15.704	ug/l	96
78) 4-Chlorotoluene	13.223	91	269625	17.833	ug/l	98
79) tert-butylbenzene	13.441	119	226786	17.488	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	298345	18.374	ug/l	99
81) sec-Butylbenzene	13.618	105	336594	18.388	ug/l	98
82) p-Isopropyltoluene	13.735	119	300069	20.184	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	185640	20.699	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	182837	20.770	ug/l	98
85) n-Butylbenzene	14.059	91	210843	16.957	ug/l	97
86) Hexachloroethane	14.335	117	52100	18.022	ug/l	96
87) 1,2-Dichlorobenzene	14.112	146	158740	18.527	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	21995	17.639	ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	67838	17.090	ug/l	97
90) Hexachlorobutadiene	15.506	225	34473	17.622	ug/l	99
91) Naphthalene	15.647	128	193383	15.181	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	67838	17.090	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

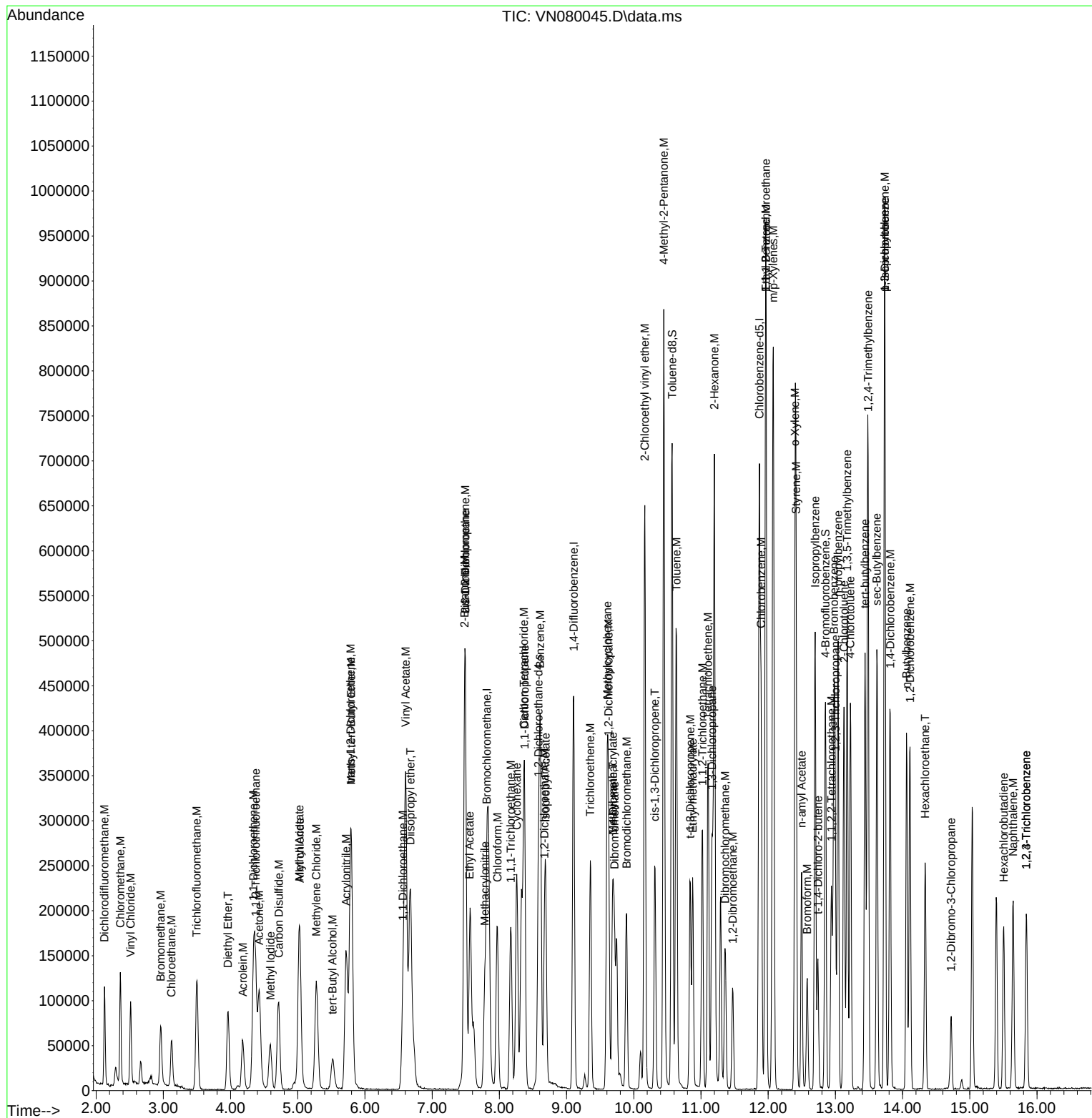
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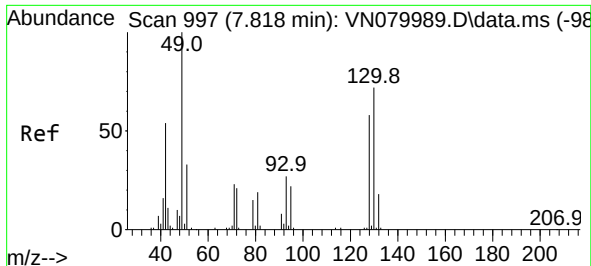
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBSD01

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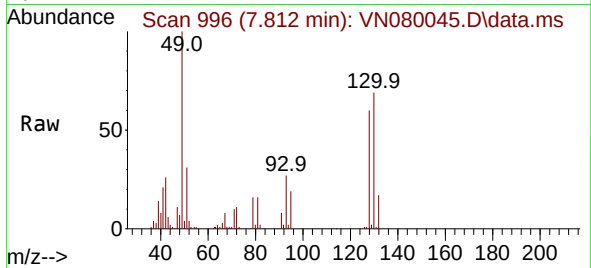
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

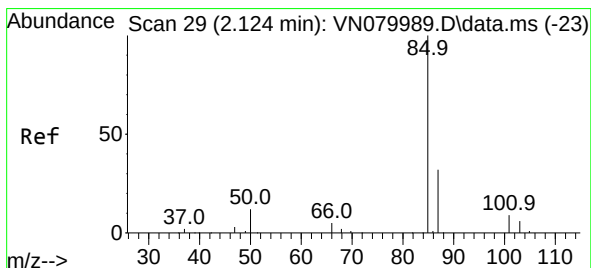
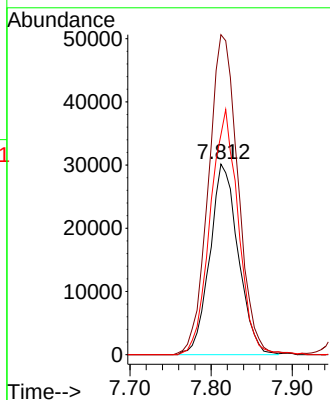
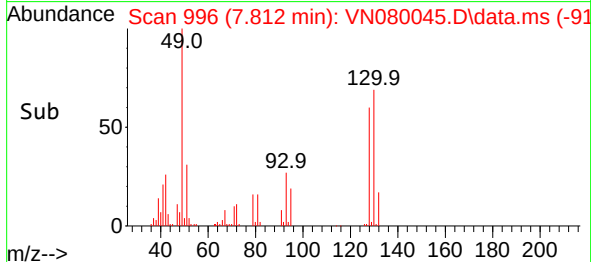
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion:128 Resp: 73199
Ion Ratio Lower Upper
128 100
49 175.7 0.0 468.5
130 127.2 0.0 320.7

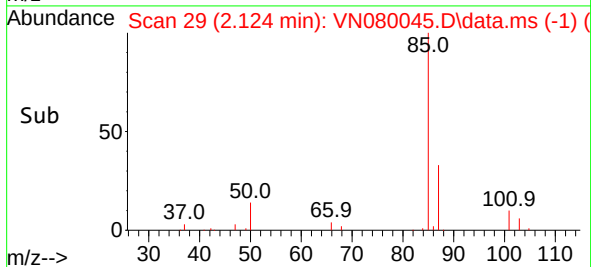
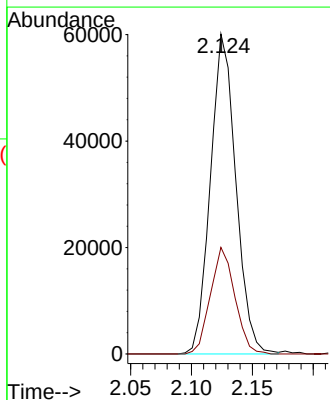
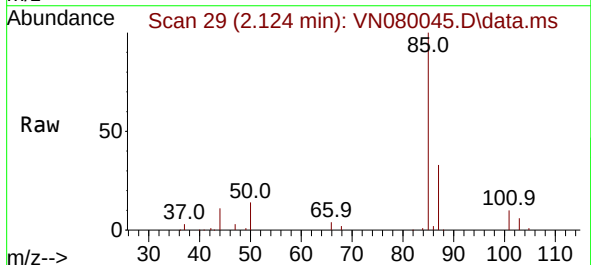
Manual Integrations
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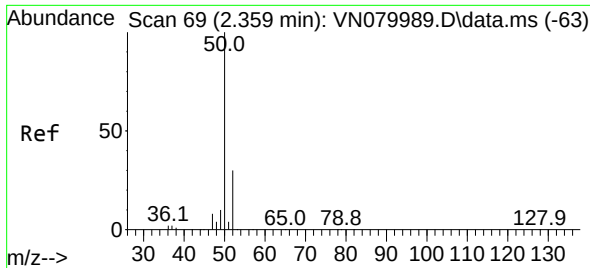
Reviewed By :John Carlone 11/13/2023
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#2
Dichlorodifluoromethane
Concen: 18.311 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 85 Resp: 87394
Ion Ratio Lower Upper
85 100
87 33.3 15.6 46.7





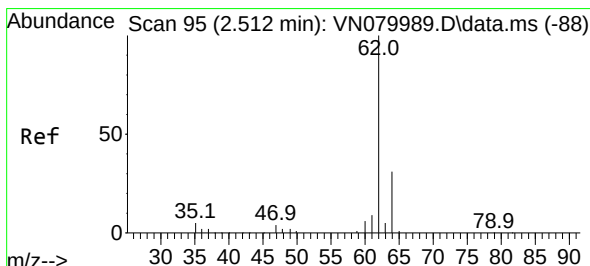
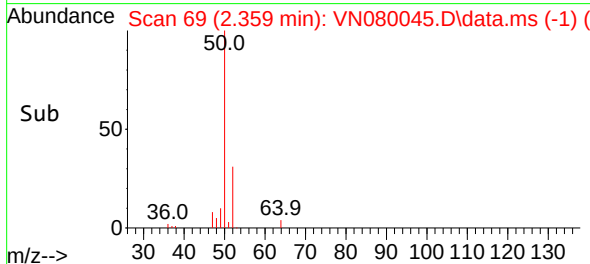
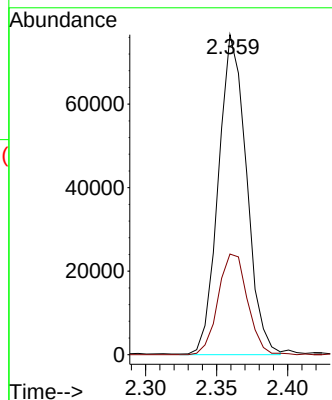
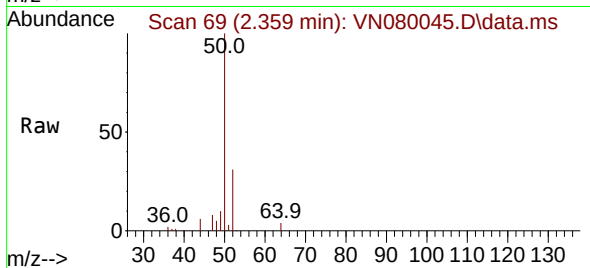
#3
Chloromethane
Concen: 17.545 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
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Tgt Ion: 50 Resp: 105489
Ion Ratio Lower Upper
50 100
52 31.5 25.6 38.4

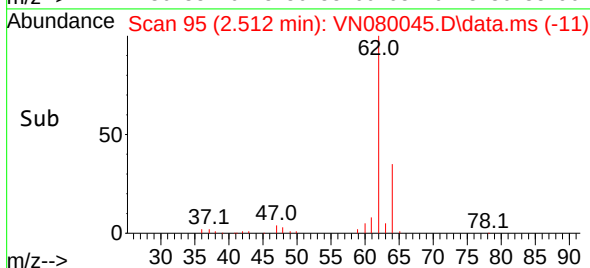
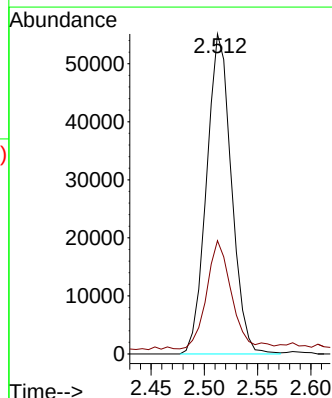
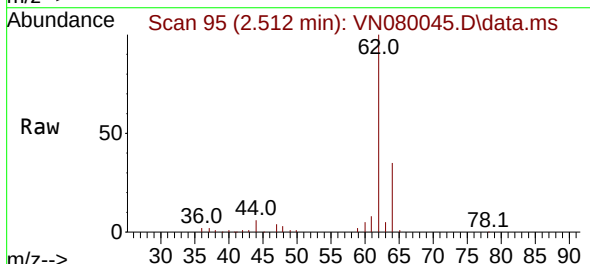
Manual Integrations
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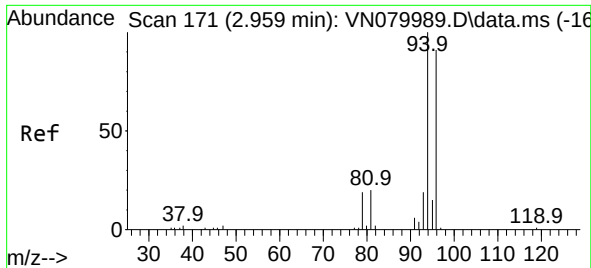
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#4
Vinyl Chloride
Concen: 17.831 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 62 Resp: 89588
Ion Ratio Lower Upper
62 100
64 33.8 26.4 39.6





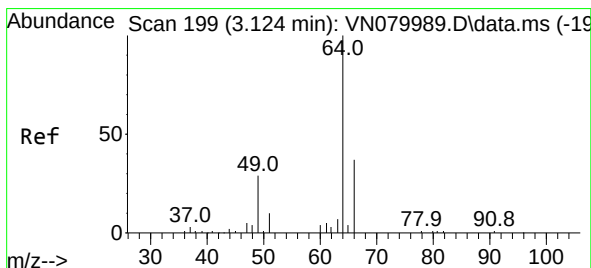
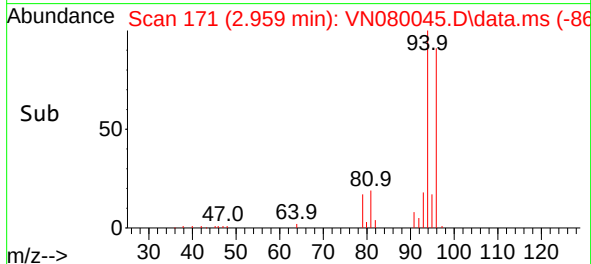
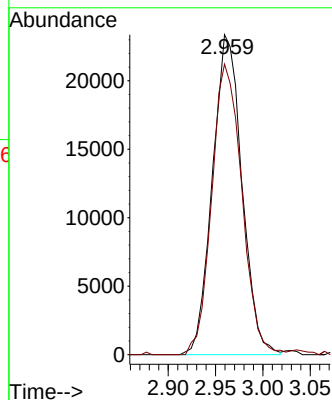
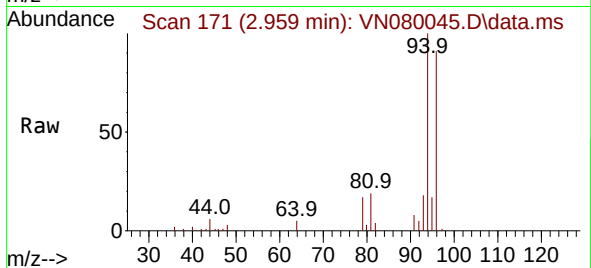
#5
Bromomethane
Concen: 18.370 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 94 Resp: 50530
Ion Ratio Lower Upper
94 100
96 90.8 77.8 116.6

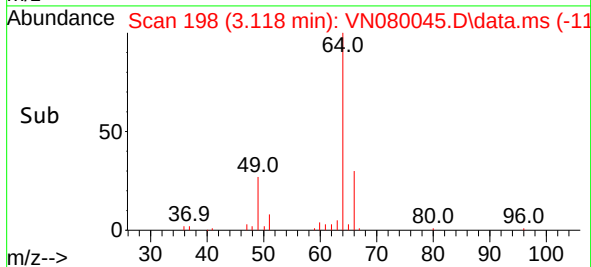
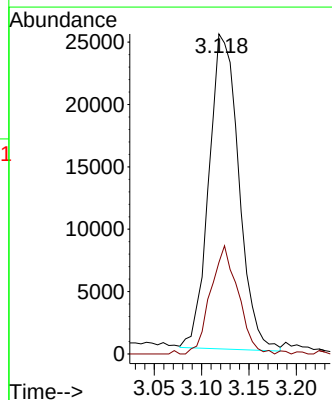
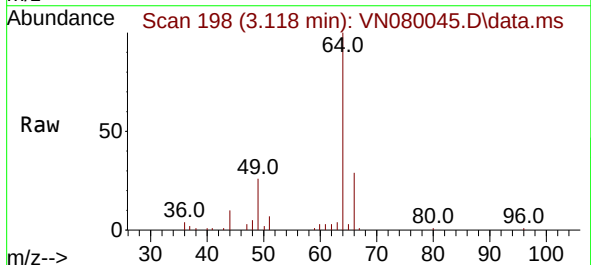
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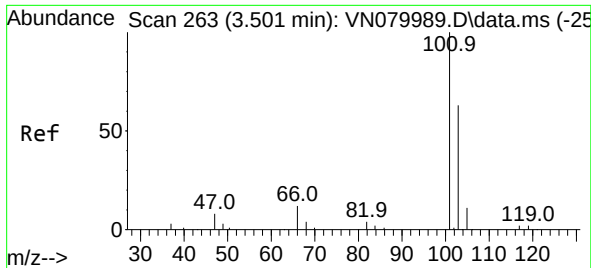
Reviewed By :John Carlone 11/13/2023
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#6
Chloroethane
Concen: 19.011 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 64 Resp: 55481
Ion Ratio Lower Upper
64 100
66 29.2 23.3 34.9





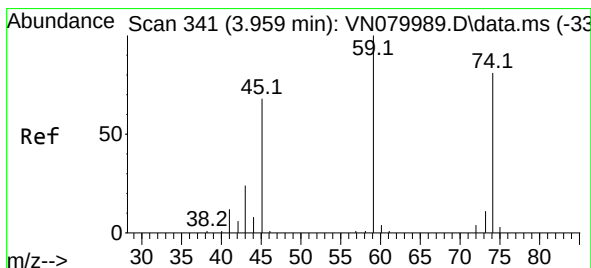
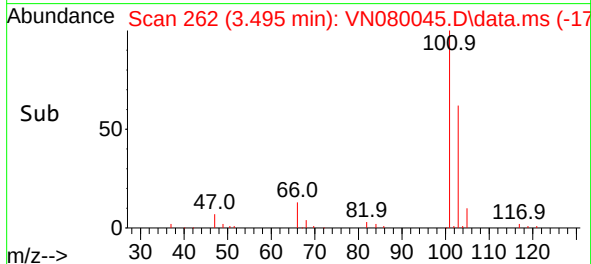
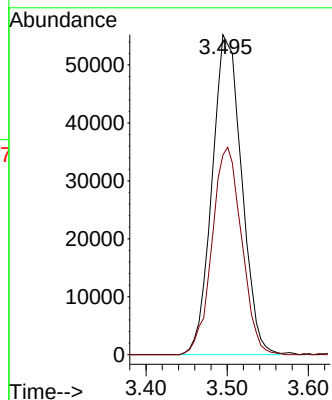
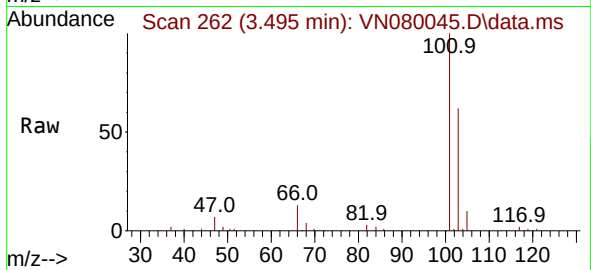
#7
Trichlorofluoromethane
Concen: 18.545 ug/l
RT: 3.495 min Scan# 262
Delta R.T. -0.005 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
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Tgt Ion:101 Resp: 13983
Ion Ratio Lower Upper
101 100
103 62.4 49.9 74.9

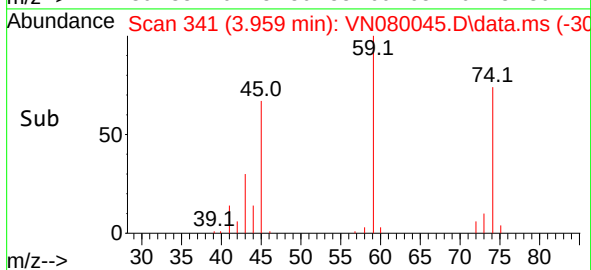
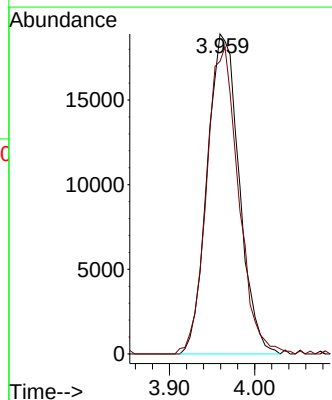
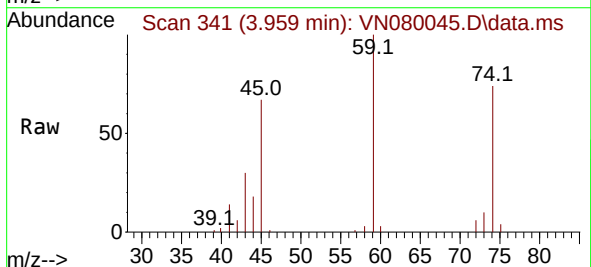
Manual Integrations
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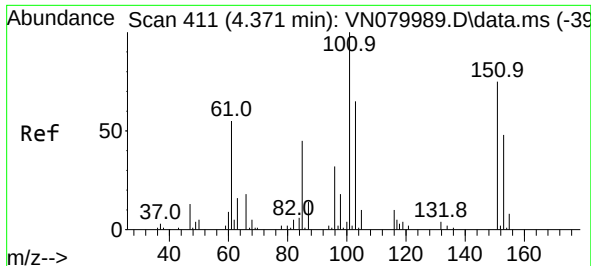
Reviewed By :John Carlone 11/13/2023
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#8
Diethyl Ether
Concen: 18.162 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 74 Resp: 49164
Ion Ratio Lower Upper
74 100
45 96.1 19.0 171.0





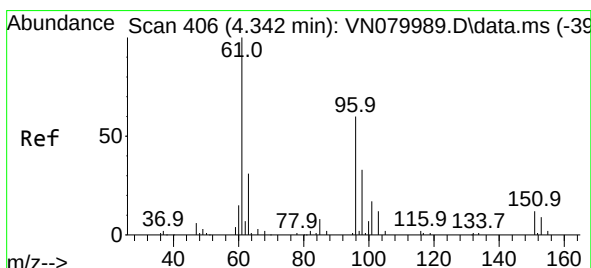
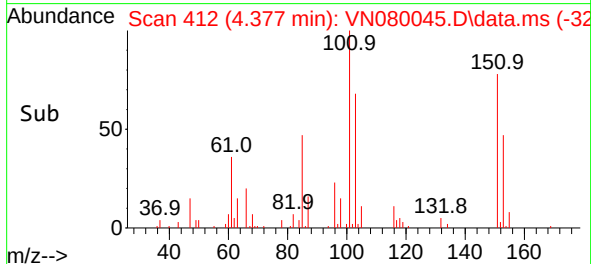
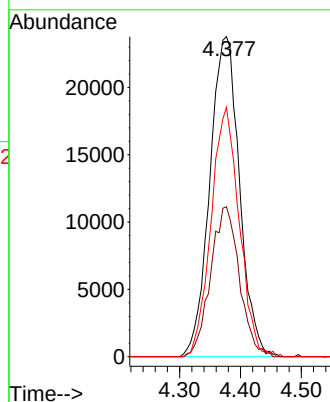
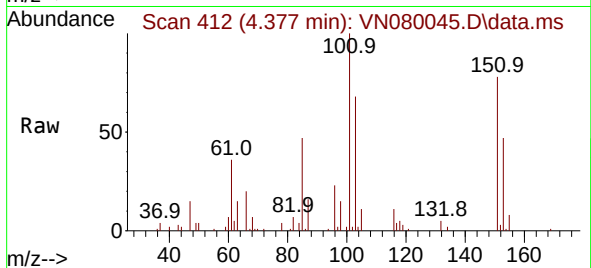
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.904 ug/l
RT: 4.377 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN080045.D
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Tgt Ion:101 Resp: 80534
Ion Ratio Lower Upper
101 100
85 45.4 0.0 92.0
151 73.8 0.0 138.4

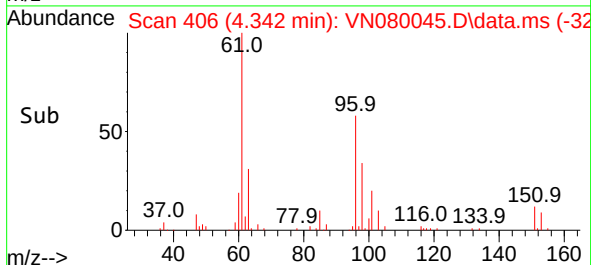
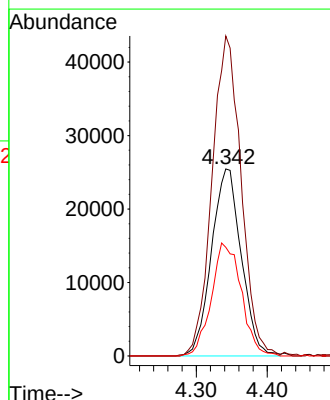
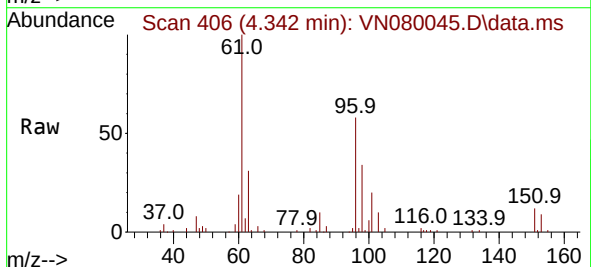
Manual Integrations
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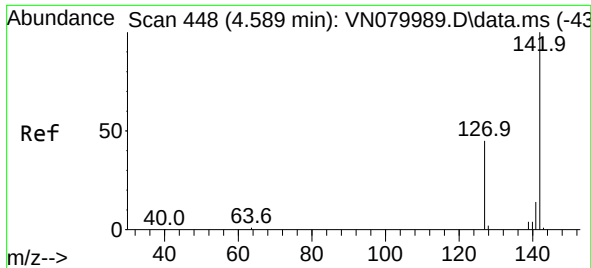
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#10
1,1-Dichloroethene
Concen: 19.673 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.001 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 96 Resp: 74144
Ion Ratio Lower Upper
96 100
61 170.4 141.3 211.9
98 58.1 53.2 79.8





#11
Methyl Iodide
Concen: 17.481 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.001 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

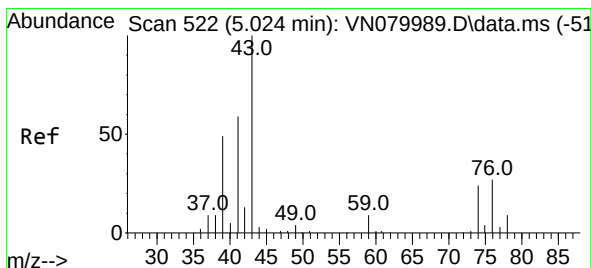
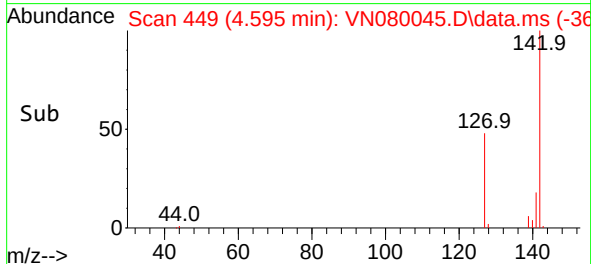
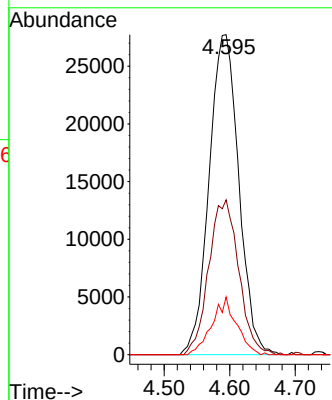
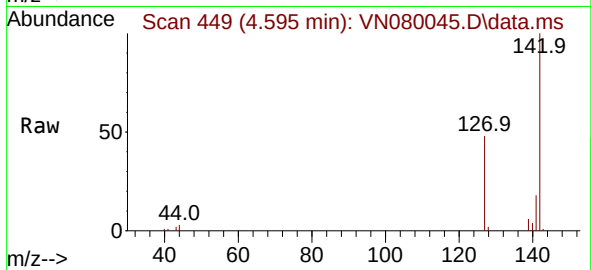
Tgt Ion:142 Resp: 87138
Ion Ratio Lower Upper
142 100
127 48.1 24.6 73.8
141 18.0 7.7 23.1

Manual Integrations

APPROVED

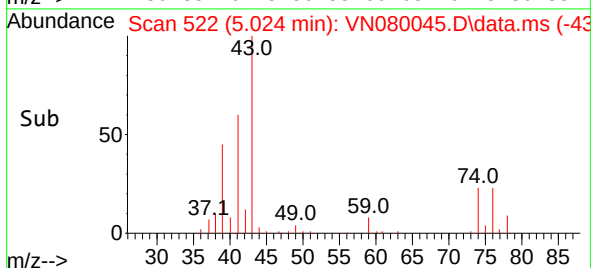
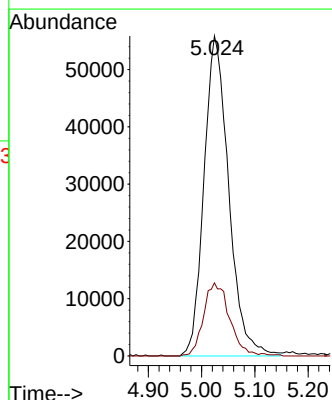
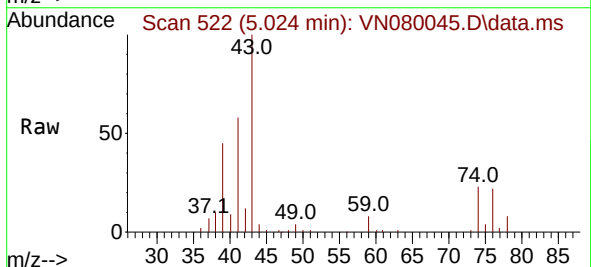
Reviewed By :John Carlone 11/13/2023

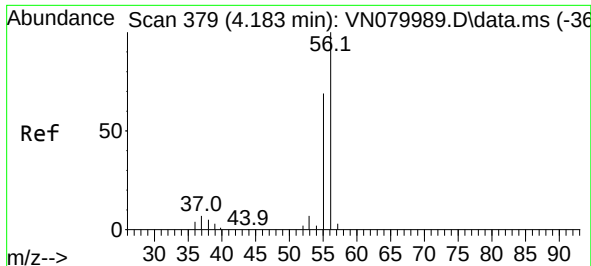
Supervised By :Mahesh Dadoda 11/13/2023



#12
Methyl Acetate
Concen: 18.439 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

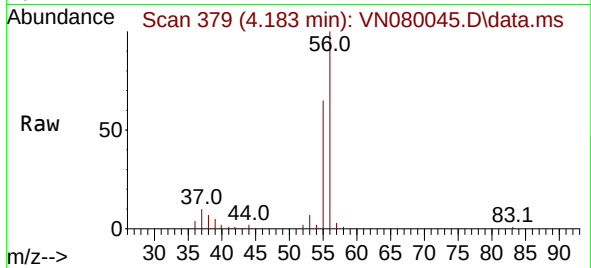
Tgt Ion: 43 Resp: 180164
Ion Ratio Lower Upper
43 100
74 22.8 18.1 27.1





#13
Acrolein
Concen: 85.190 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

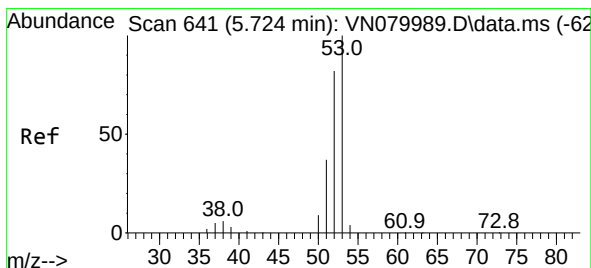
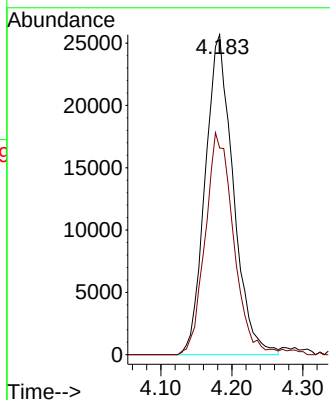
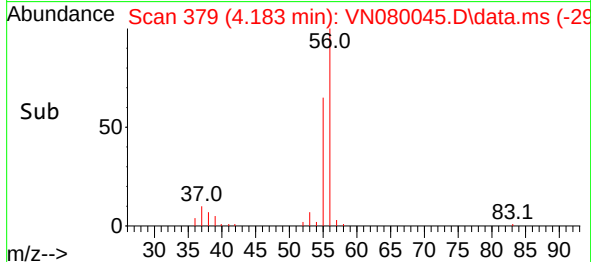
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion: 56 Resp: 70320
Ion Ratio Lower Upper
56 100
55 69.5 57.1 85.7

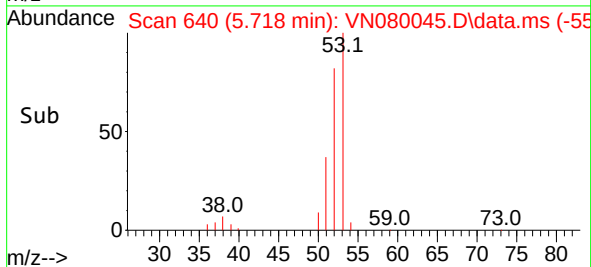
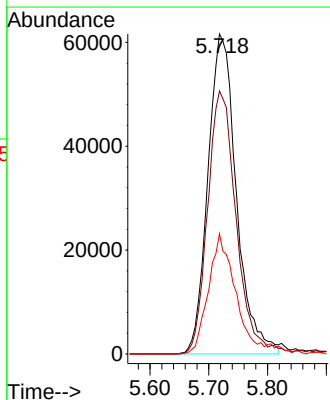
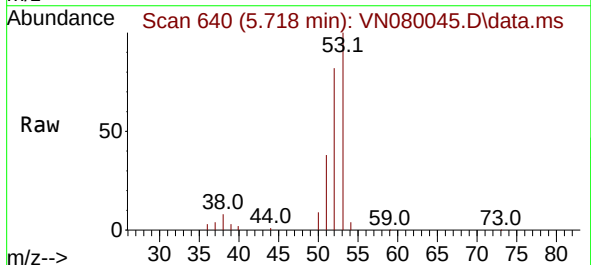
Manual Integrations
APPROVED

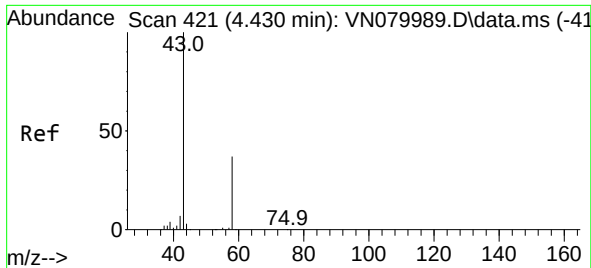
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#14
Acrylonitrile
Concen: 89.278 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 53 Resp: 207191
Ion Ratio Lower Upper
53 100
52 81.2 41.6 124.9
51 34.6 17.8 53.3





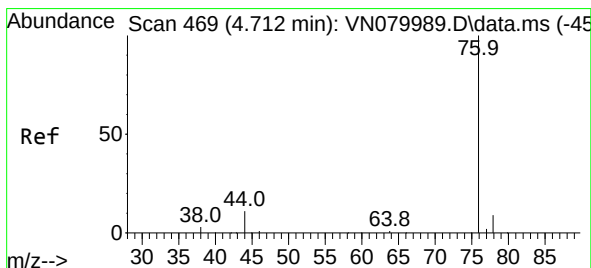
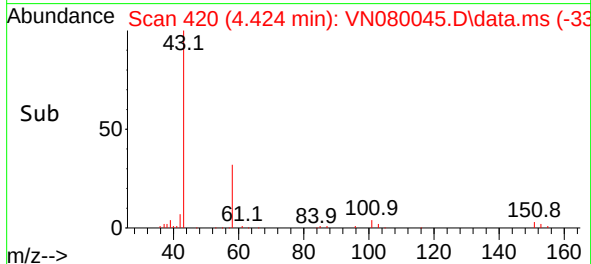
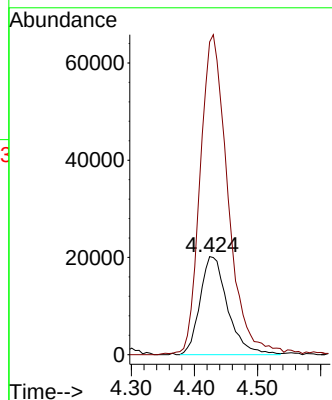
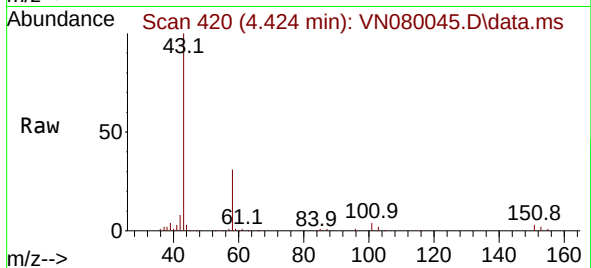
#15
Acetone
Concen: 78.319 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01

Tgt Ion: 58 Resp: 6137
Ion Ratio Lower Upper
58 100
43 315.8 225.2 337.8

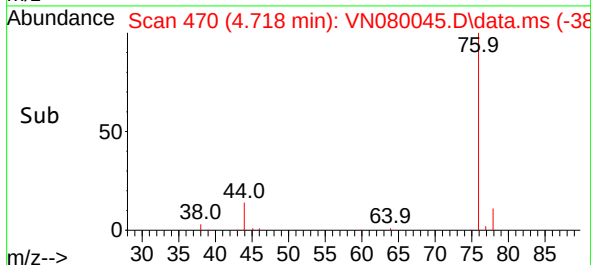
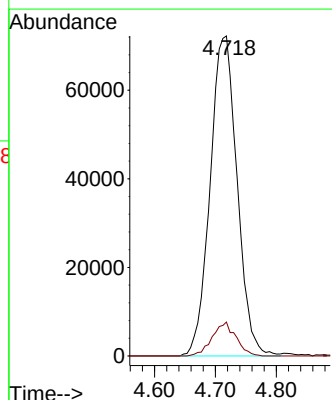
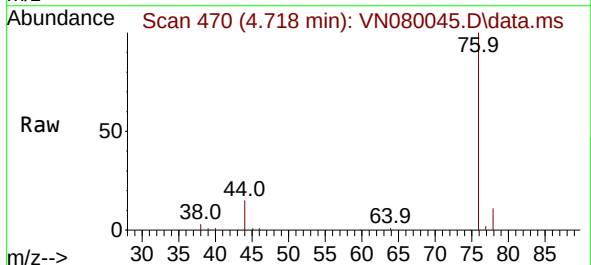
Manual Integrations
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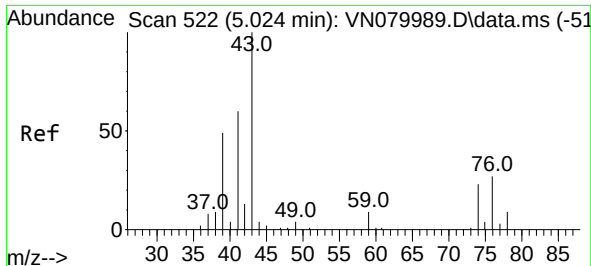
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#16
Carbon Disulfide
Concen: 17.298 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

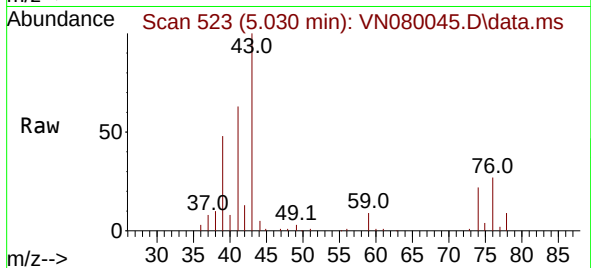
Tgt Ion: 76 Resp: 222607
Ion Ratio Lower Upper
76 100
78 10.6 7.5 11.3





#17
 Allyl chloride
 Concen: 16.862 ug/l
 RT: 5.030 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VN080045.D
 Acq: 10 Nov 2023 11:35

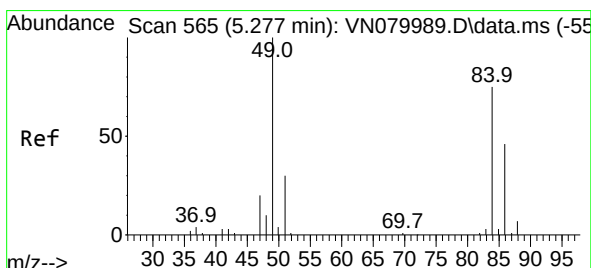
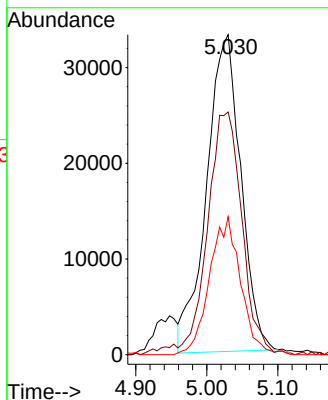
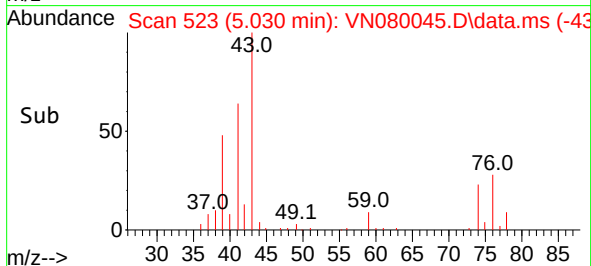
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBSD01



Tgt Ion: 41 Resp: 111045
 Ion Ratio Lower Upper
 41 100
 39 76.0 38.4 115.2
 76 43.2 19.5 58.5

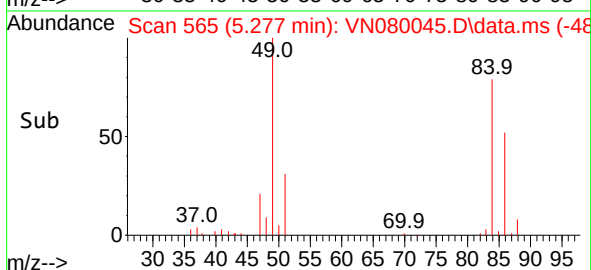
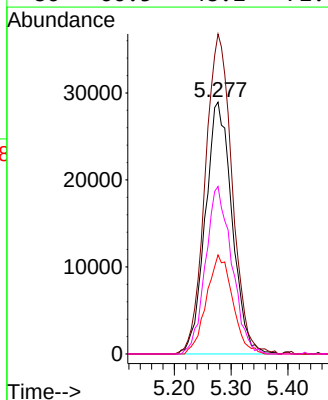
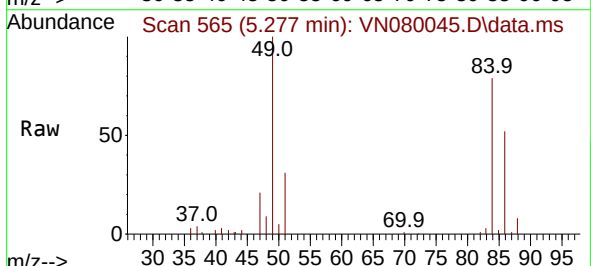
Manual Integrations
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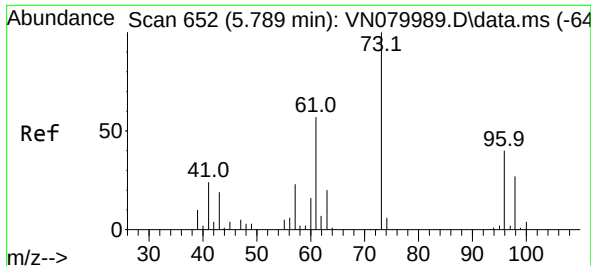
Reviewed By :John Carlone 11/13/2023
 Supervised By :Mahesh Dadoda 11/13/2023



#18
 Methylene Chloride
 Concen: 18.716 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. -0.006 min
 Lab File: VN080045.D
 Acq: 10 Nov 2023 11:35

Tgt Ion: 84 Resp: 94591
 Ion Ratio Lower Upper
 84 100
 49 127.1 100.9 151.3
 51 39.3 29.4 44.2
 86 66.5 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 18.316 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.005 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

Tgt Ion: 96 Resp: 85564

Ion Ratio Lower Upper

96 100

61 131.7 113.4 170.0

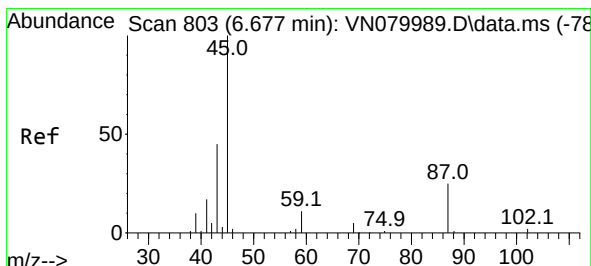
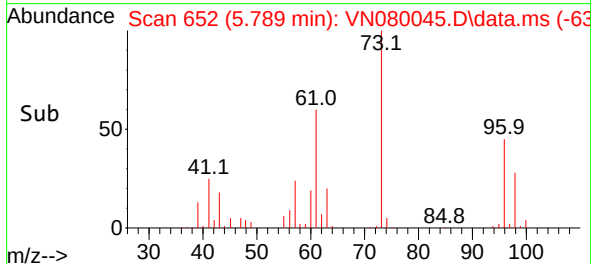
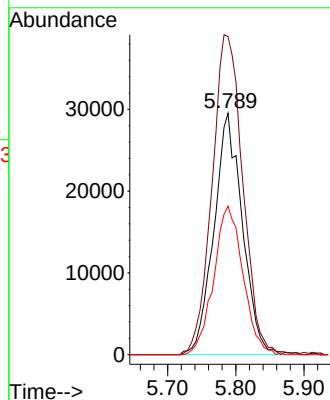
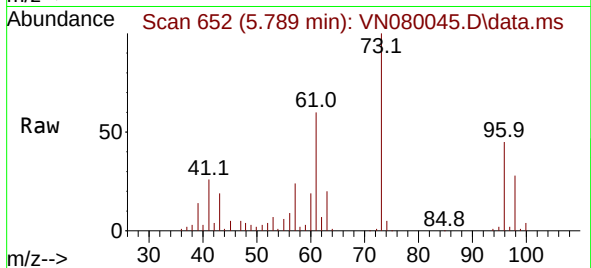
98 61.5 50.4 75.6

Manual Integrations

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Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#20

Diisopropyl ether

Concen: 18.407 ug/l

RT: 6.677 min Scan# 803

Delta R.T. -0.006 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Tgt Ion: 45 Resp: 283272

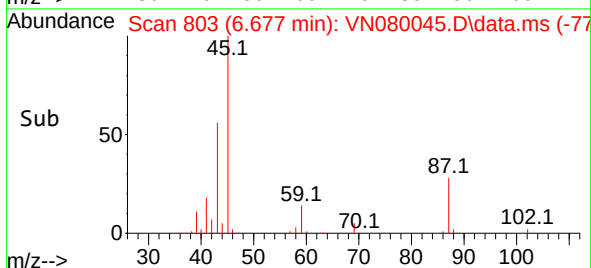
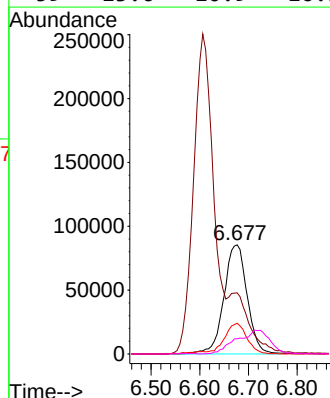
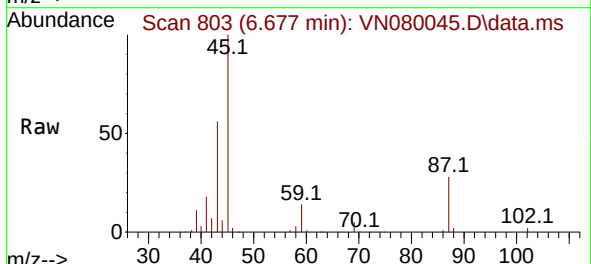
Ion Ratio Lower Upper

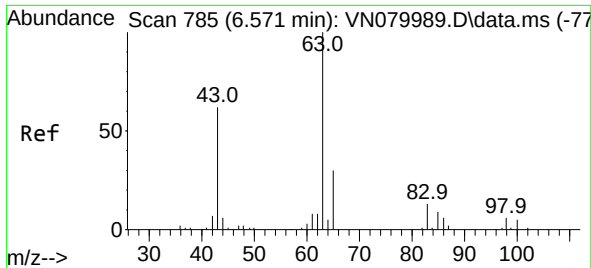
45 100

43 52.9 42.1 63.1

87 28.2 20.5 30.7

59 13.6 10.9 16.3





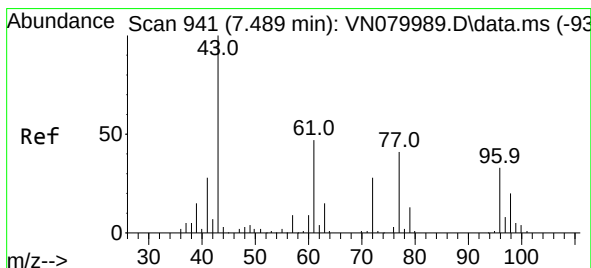
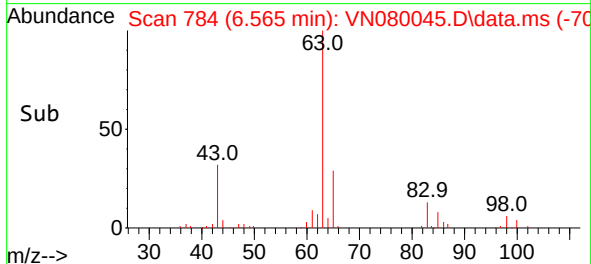
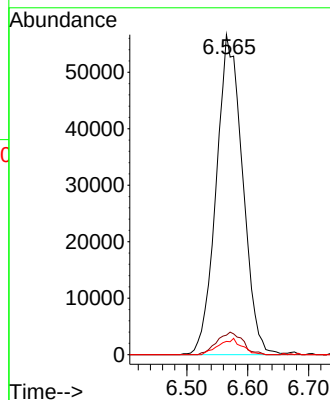
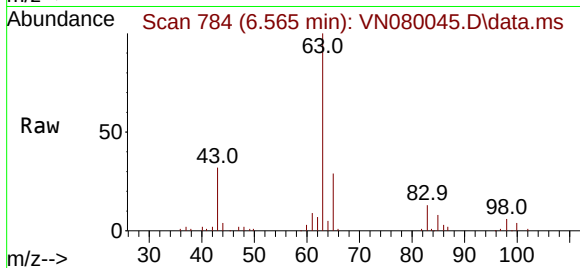
#21
1,1-Dichloroethane
Concen: 18.536 ug/l
RT: 6.565 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01

Tgt Ion: 63 Resp: 170270
Ion Ratio Lower Upper
63 100
98 6.1 2.8 8.4
100 4.1 1.9 5.7

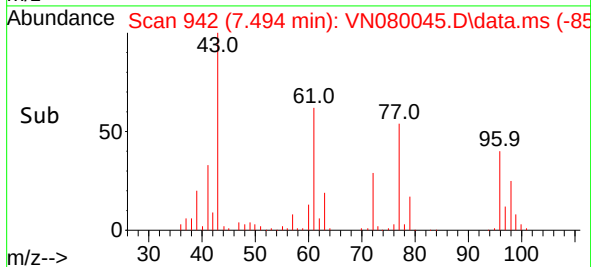
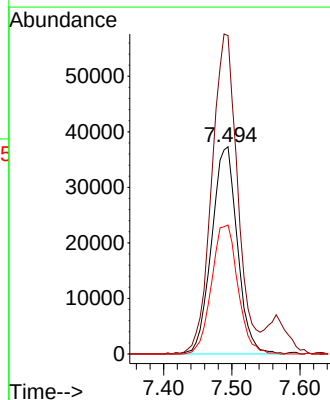
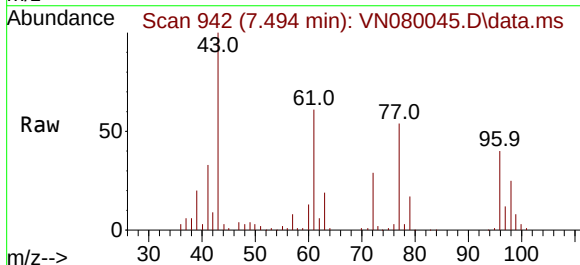
Manual Integrations
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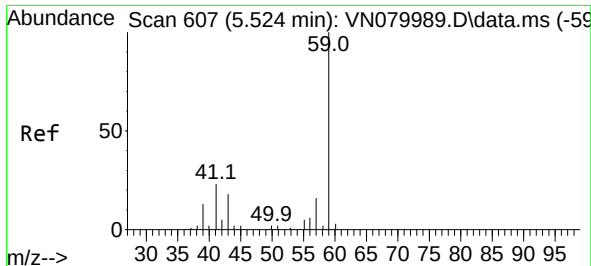
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#22
cis-1,2-Dichloroethene
Concen: 18.053 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 96 Resp: 97862
Ion Ratio Lower Upper
96 100
61 154.8 124.6 186.8
98 63.6 54.2 81.4





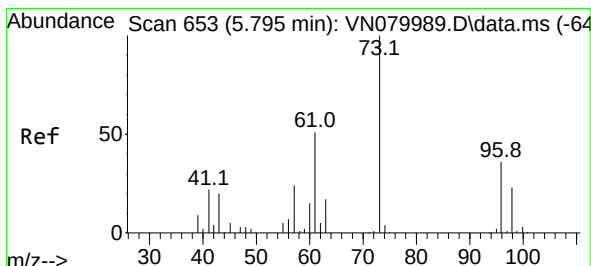
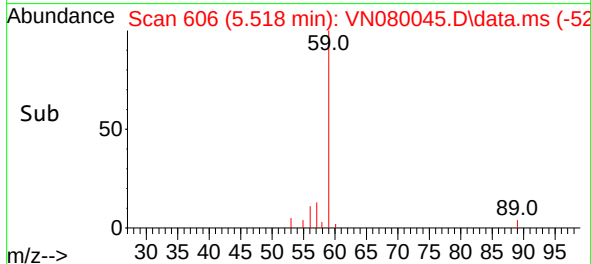
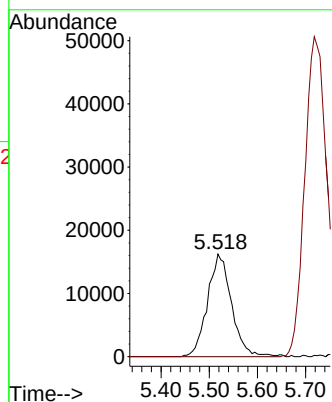
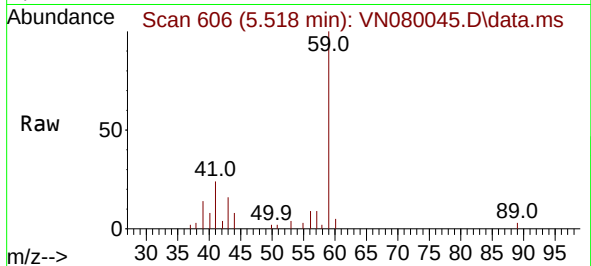
#23
tert-Butyl Alcohol
Concen: 89.878 ug/l m
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01

Tgt Ion: 59 Resp: 5630
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

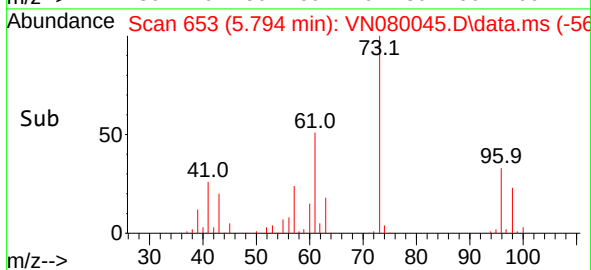
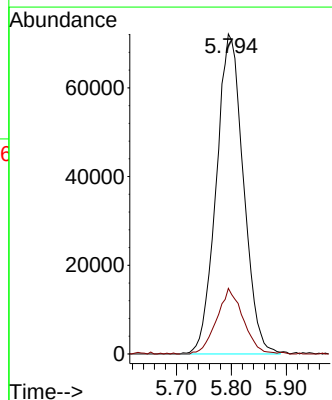
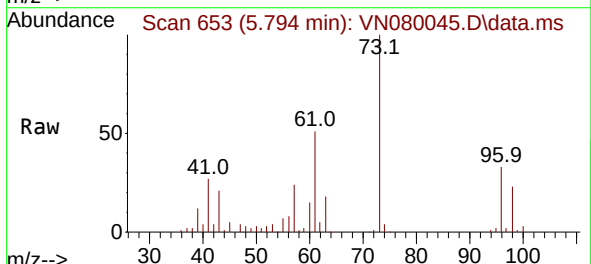
Manual Integrations
APPROVED

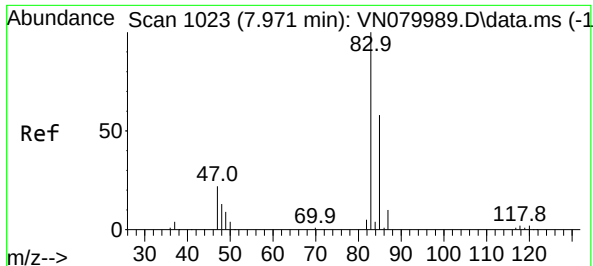
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#24
Methyl tert-Butyl Ether
Concen: 17.846 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 73 Resp: 247642
Ion Ratio Lower Upper
73 100
43 19.9 16.6 24.8





#25

Chloroform

Concen: 18.563 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

Tgt Ion: 83 Resp: 176024

Ion Ratio Lower Upper

83 100

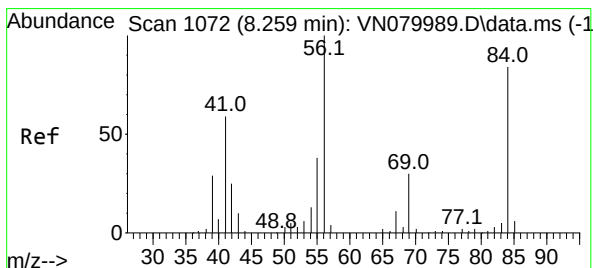
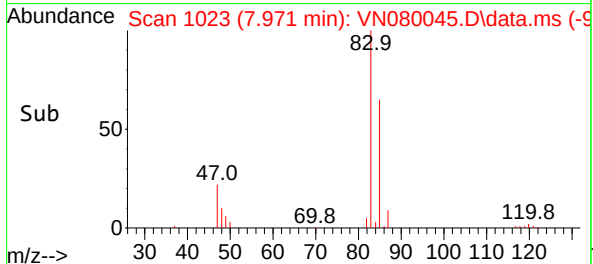
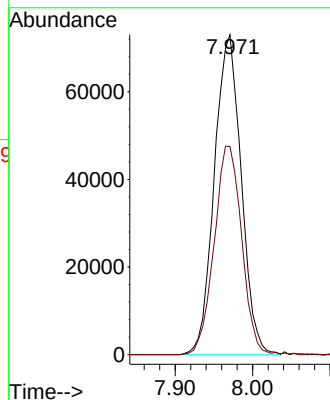
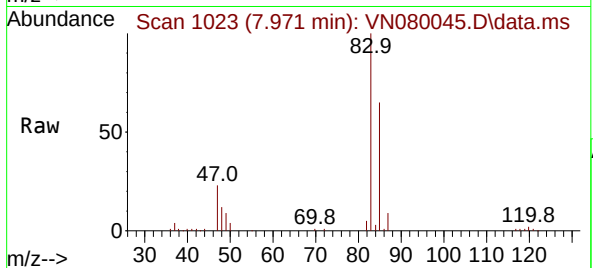
85 65.1 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#26

Cyclohexane

Concen: 17.066 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.000 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

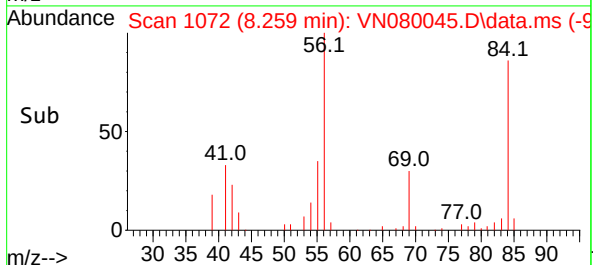
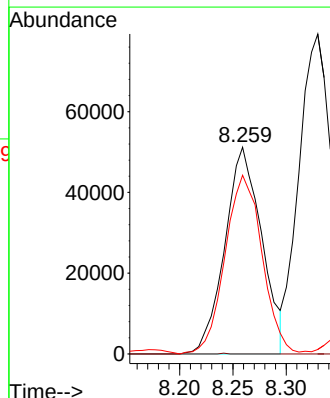
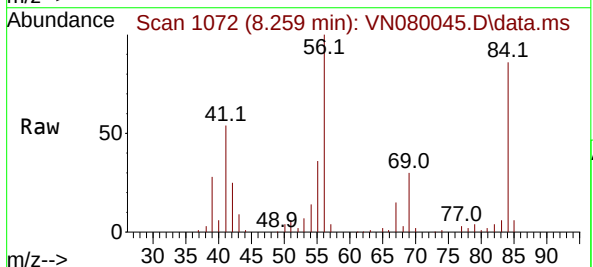
Tgt Ion: 56 Resp: 123327

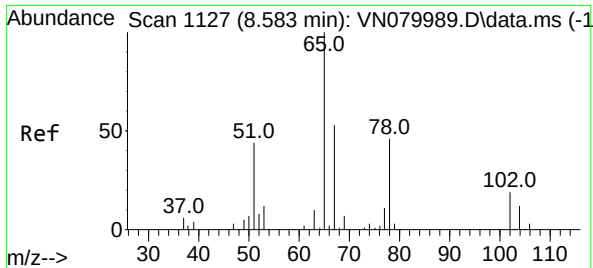
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

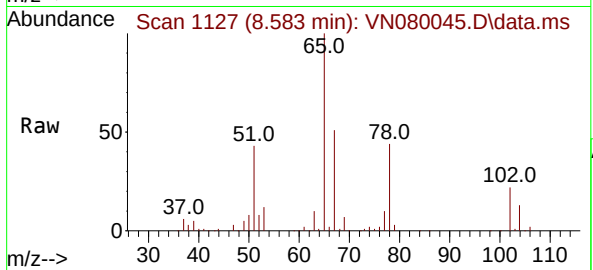
84 86.7 69.0 103.4





#27
1,2-Dichloroethane-d4
Concen: 29.385 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

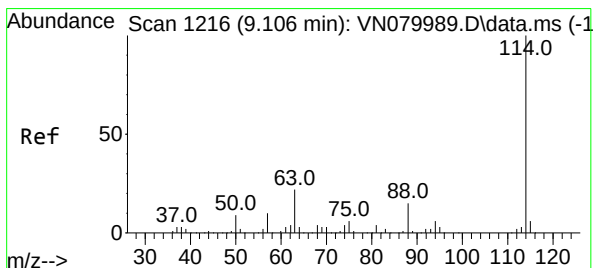
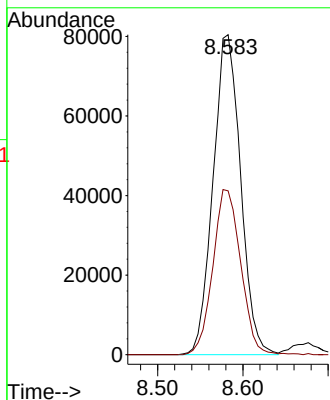
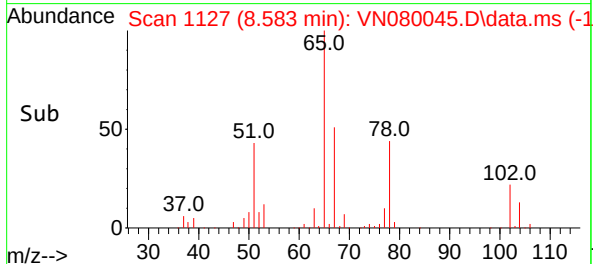
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



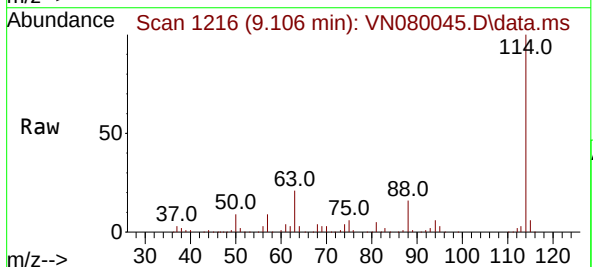
Tgt Ion: 65 Resp: 180558
Ion Ratio Lower Upper
65 100
67 52.2 42.1 63.1

Manual Integrations
APPROVED

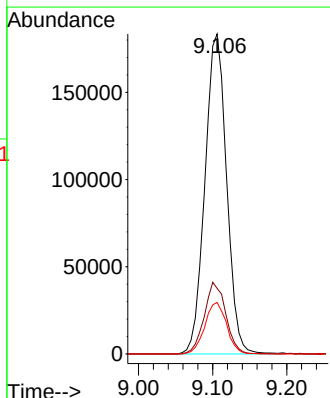
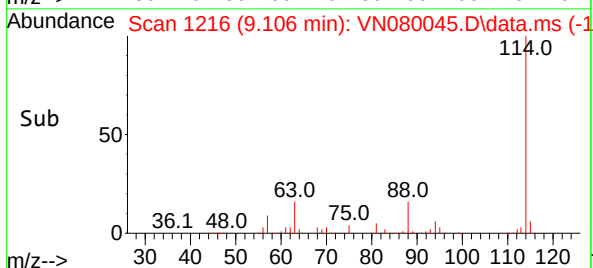
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

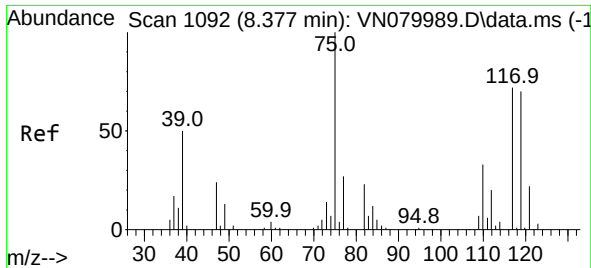


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35



Tgt Ion:114 Resp: 372451
Ion Ratio Lower Upper
114 100
63 22.3 18.1 27.1
88 16.2 12.2 18.2





#29
1,1-Dichloropropene
Concen: 19.608 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

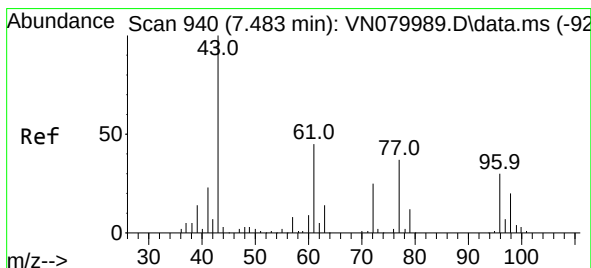
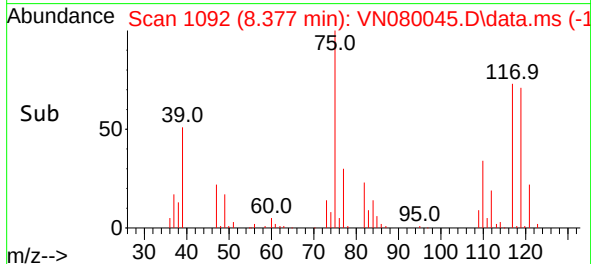
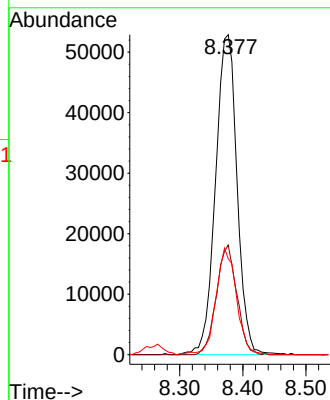
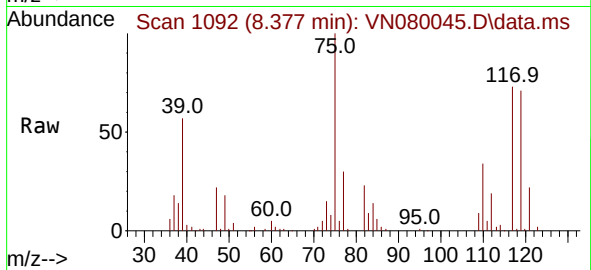
Tgt Ion: 75 Resp: 125340
Ion Ratio Lower Upper
75 100
110 32.3 0.0 66.8
77 31.2 0.0 61.2

Manual Integrations

APPROVED

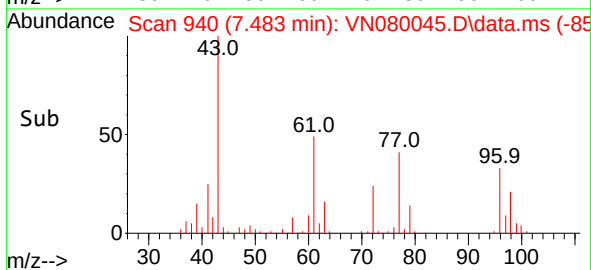
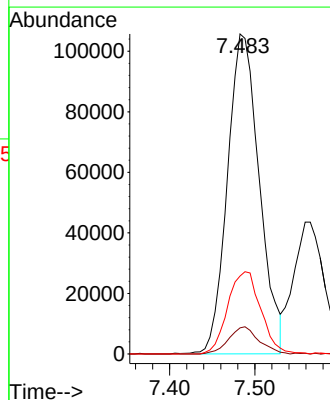
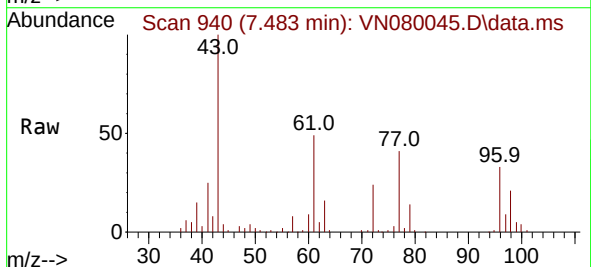
Reviewed By :John Carlone 11/13/2023

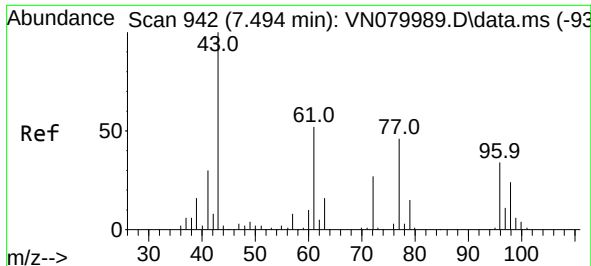
Supervised By :Mahesh Dadoda 11/13/2023



#30
2-Butanone
Concen: 90.148 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.005 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 43 Resp: 275201
Ion Ratio Lower Upper
43 100
57 8.0 6.4 9.6
72 26.5 20.7 31.1





#31

2,2-Dichloropropane

Concen: 19.929 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

Tgt Ion: 77 Resp: 137684

Ion Ratio Lower Upper

77 100

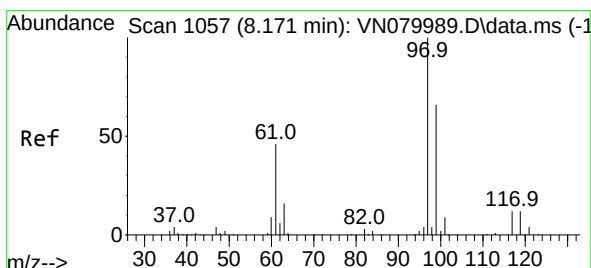
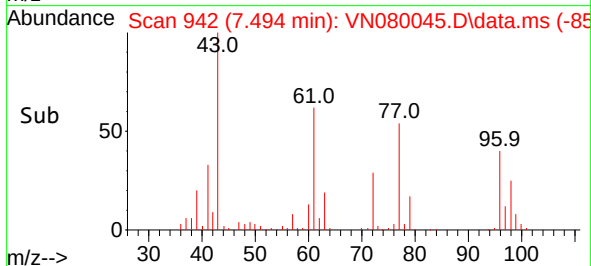
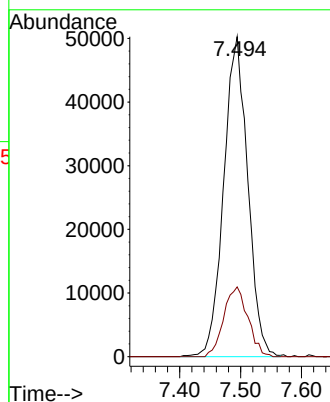
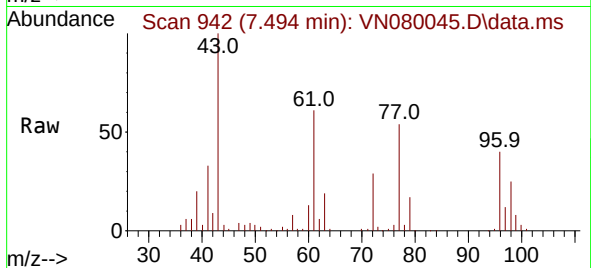
97 21.9 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#32

1,1,1-Trichloroethane

Concen: 20.361 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

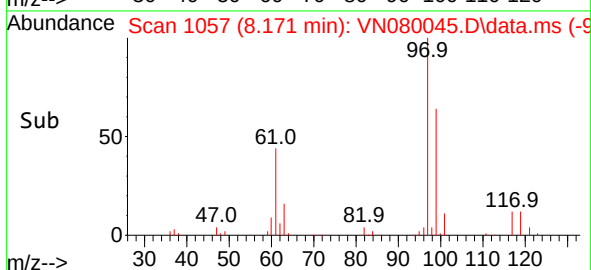
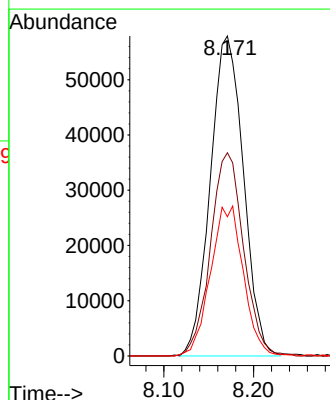
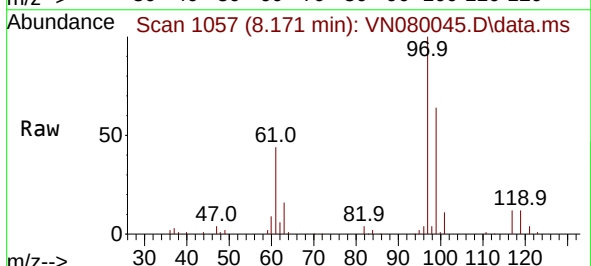
Tgt Ion: 97 Resp: 148584

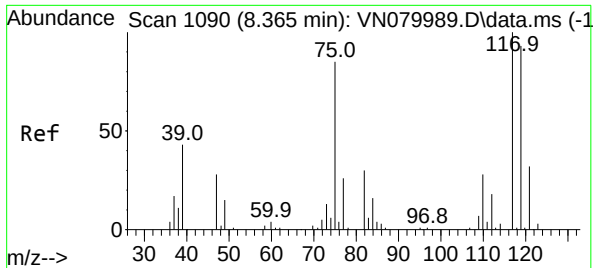
Ion Ratio Lower Upper

97 100

99 63.4 51.9 77.9

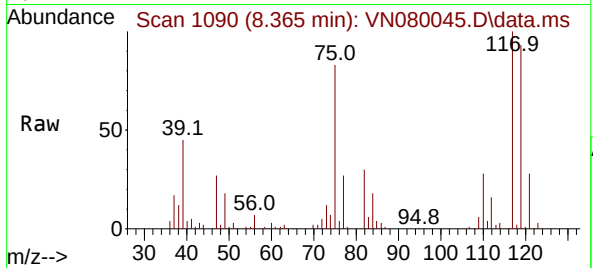
61 46.6 37.6 56.4





#33
Carbon Tetrachloride
Concen: 20.147 ug/l
RT: 8.365 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

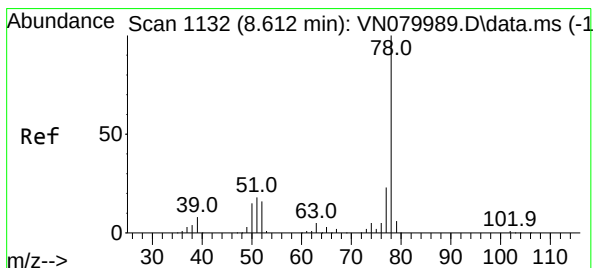
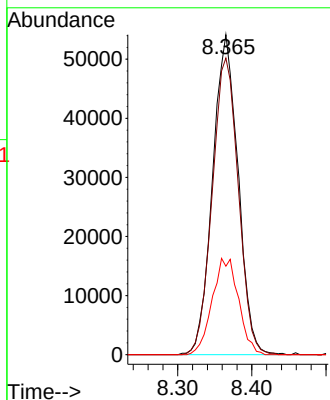
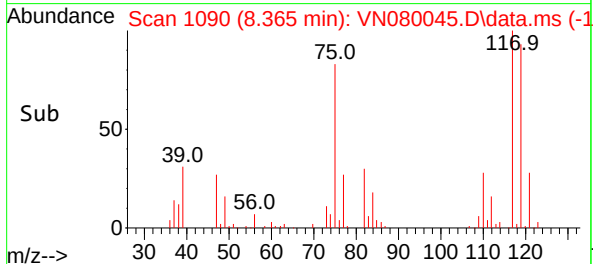
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



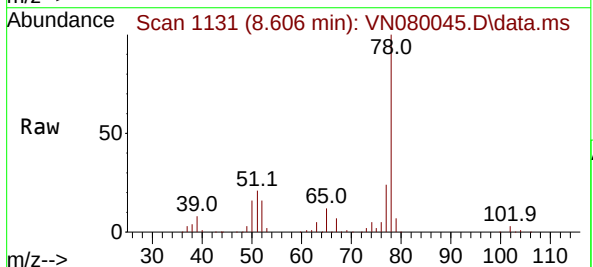
Tgt Ion: 117 Resp: 12922
Ion Ratio Lower Upper
117 100
119 92.7 75.0 112.6
121 27.7 24.3 36.5

Manual Integrations
APPROVED

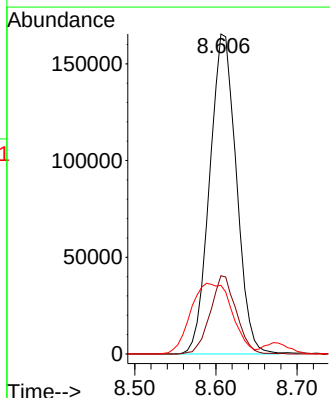
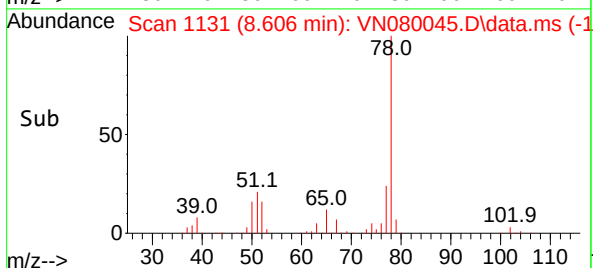
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

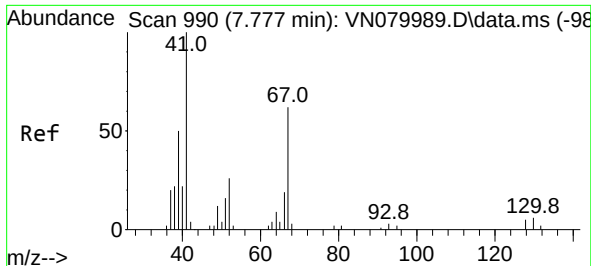


#34
Benzene
Concen: 19.887 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35



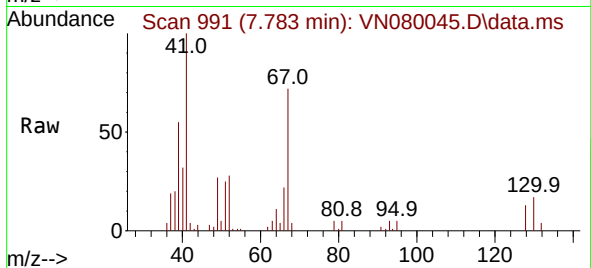
Tgt Ion: 78 Resp: 377630
Ion Ratio Lower Upper
78 100
77 24.4 19.7 29.5
51 18.5 15.8 23.6





#35
Methacrylonitrile
Concen: 18.733 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.001 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

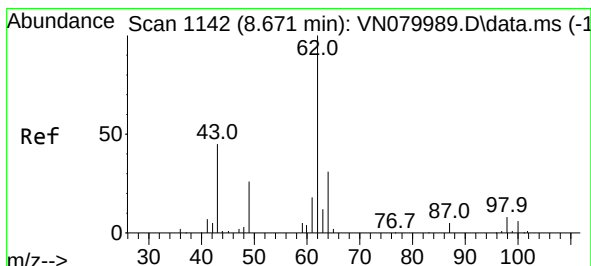
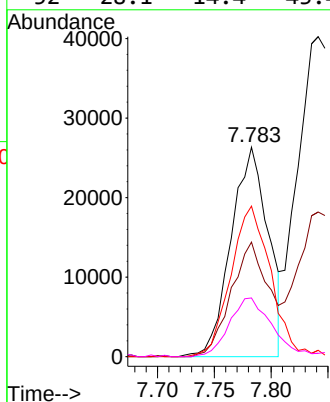
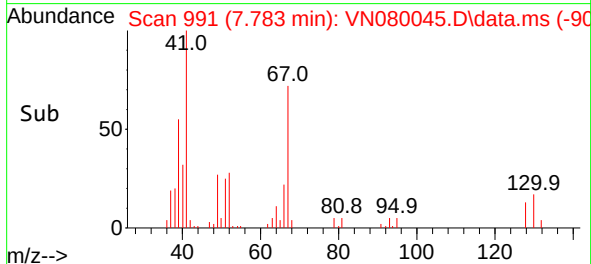
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion: 41 Resp: 5995
Ion Ratio Lower Upper
41 100
39 54.7 26.3 78.8
67 71.9 37.5 112.3
52 28.1 14.4 43.4

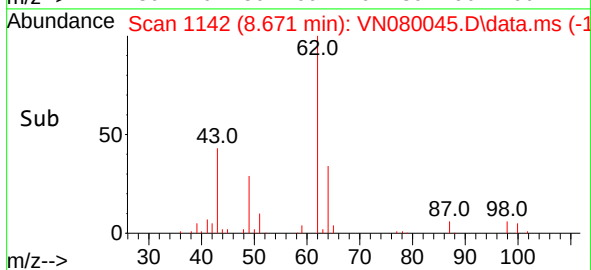
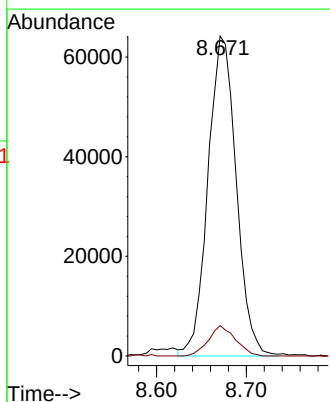
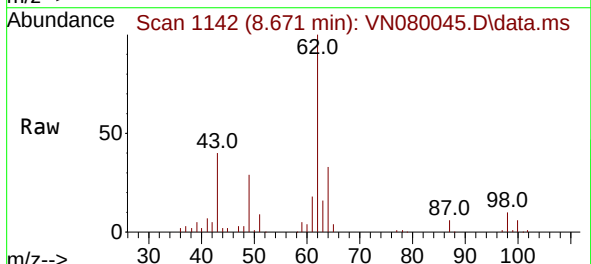
Manual Integrations
APPROVED

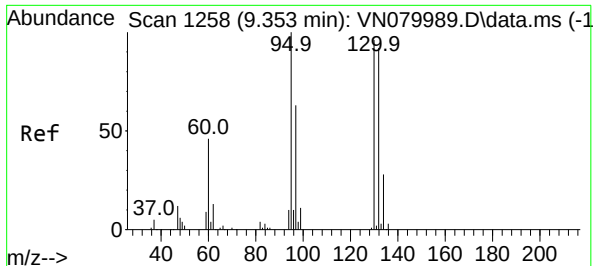
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#36
1,2-Dichloroethane
Concen: 20.463 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 62 Resp: 140626
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#37

Trichloroethene

Concen: 19.653 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.006 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

Tgt Ion:130 Resp: 89740

Ion Ratio Lower Upper

130 100

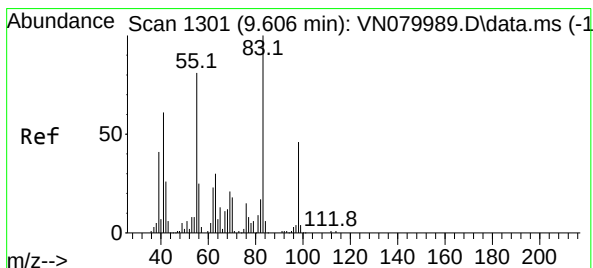
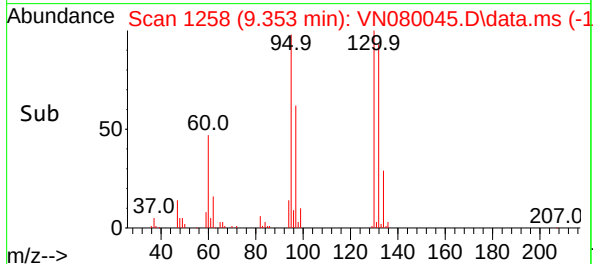
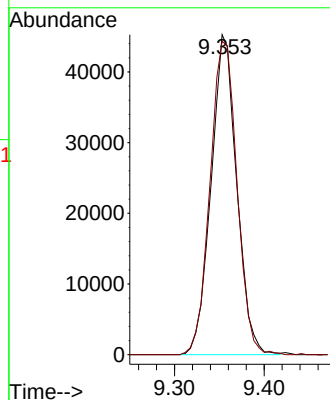
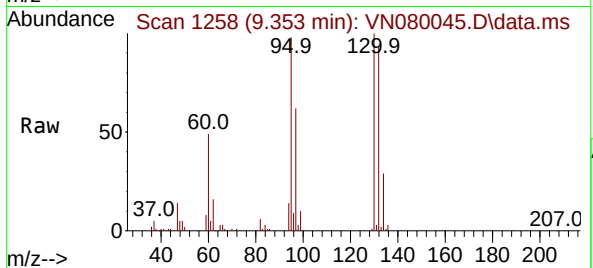
95 97.9 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#38

Methylcyclohexane

Concen: 18.290 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

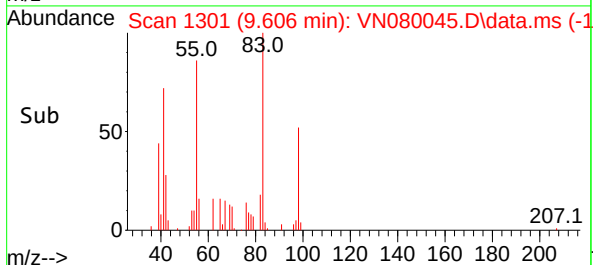
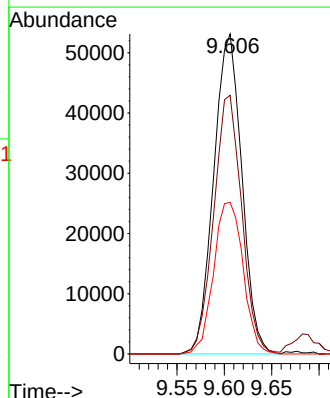
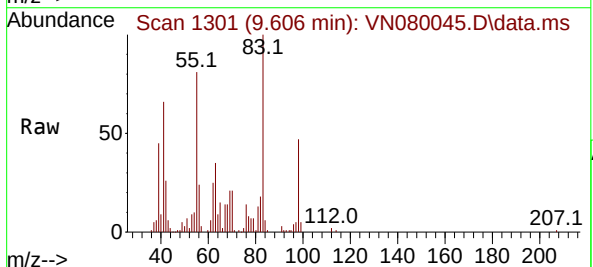
Tgt Ion: 83 Resp: 109780

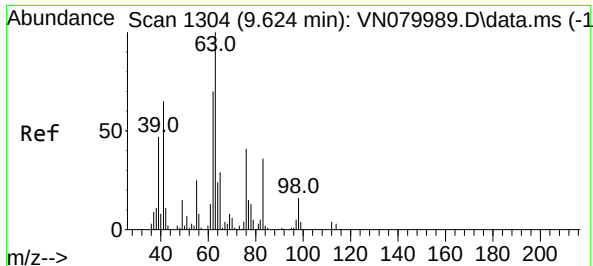
Ion Ratio Lower Upper

83 100

55 80.7 39.7 119.1

98 49.7 24.4 73.2





#39

1,2-Dichloropropane

Concen: 19.607 ug/l

RT: 9.624 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

Tgt Ion: 63 Resp: 98540

Ion Ratio Lower Upper

63 100

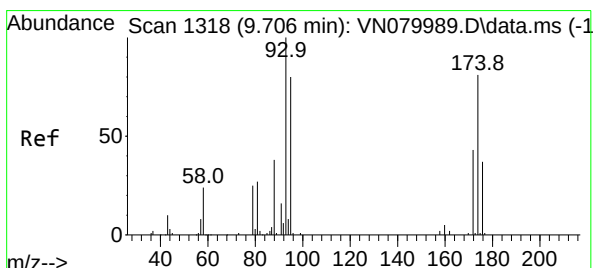
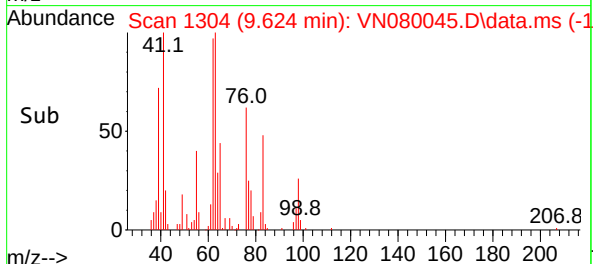
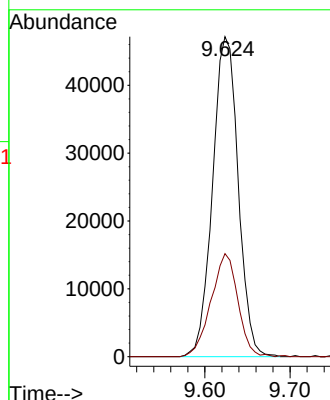
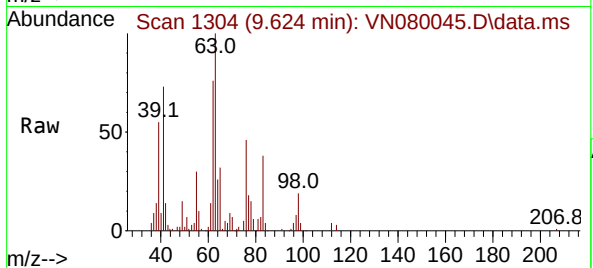
65 32.2 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#40

Dibromomethane

Concen: 20.643 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

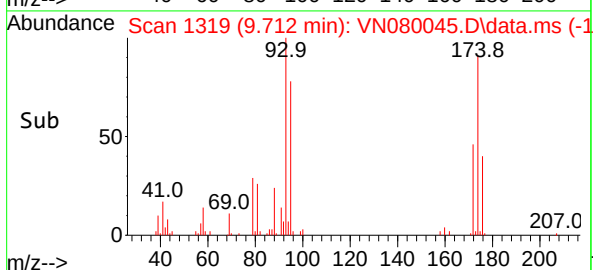
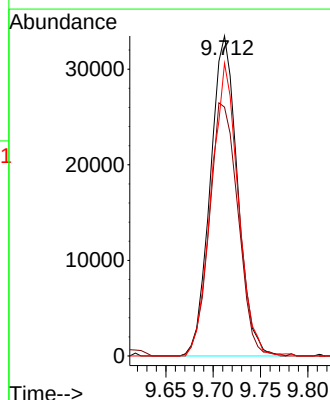
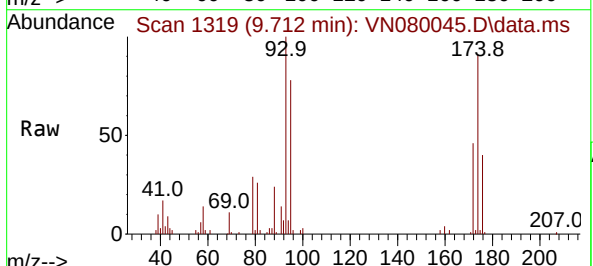
Tgt Ion: 93 Resp: 67065

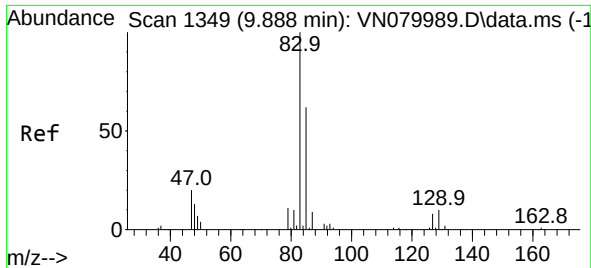
Ion Ratio Lower Upper

93 100

95 82.9 0.0 166.6

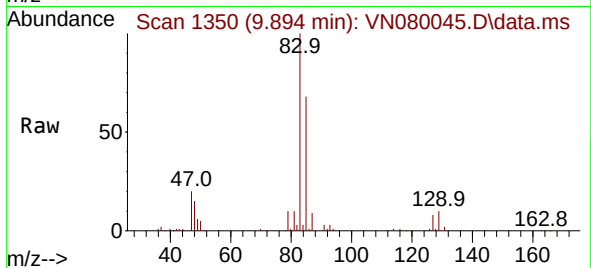
174 90.1 0.0 171.0





#41
Bromodichloromethane
Concen: 20.500 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

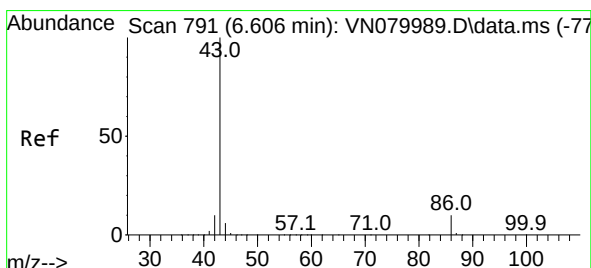
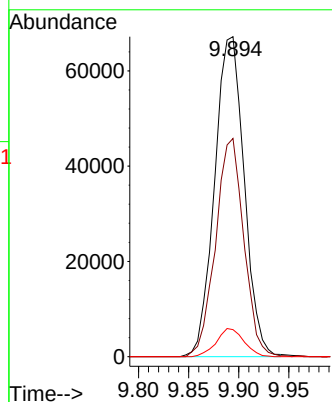
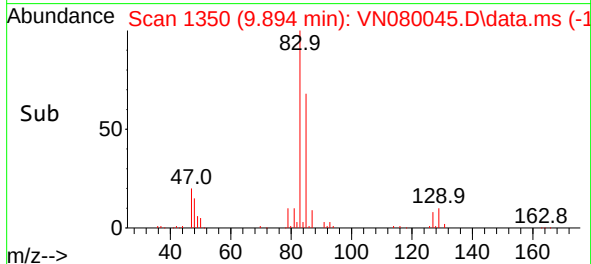
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion: 83 Resp: 137934
Ion Ratio Lower Upper
83 100
85 68.2 50.3 75.5
127 8.5 6.8 10.2

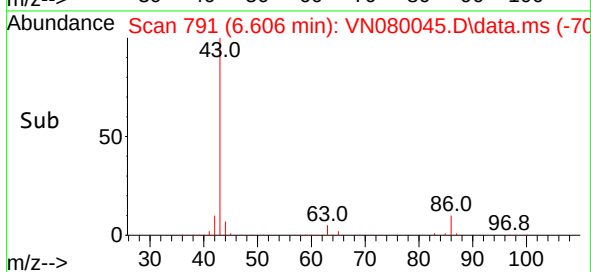
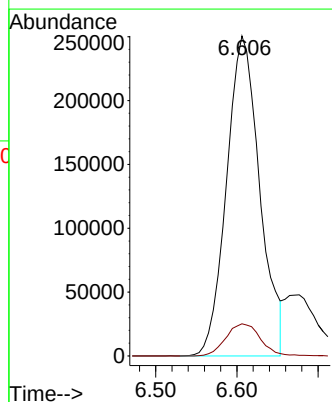
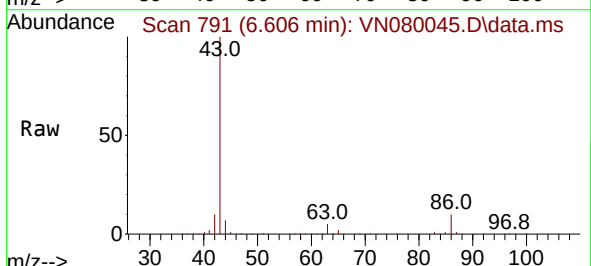
Manual Integrations
APPROVED

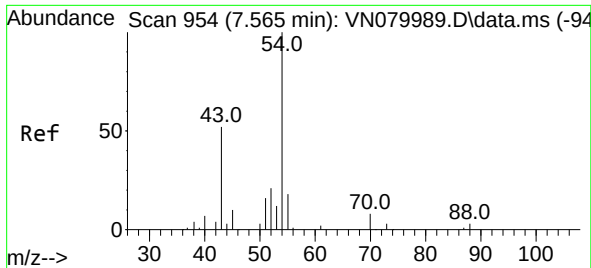
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#42
Vinyl Acetate
Concen: 94.039 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 43 Resp: 713075
Ion Ratio Lower Upper
43 100
86 10.5 8.2 12.2





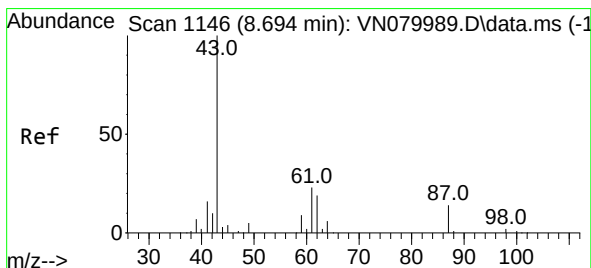
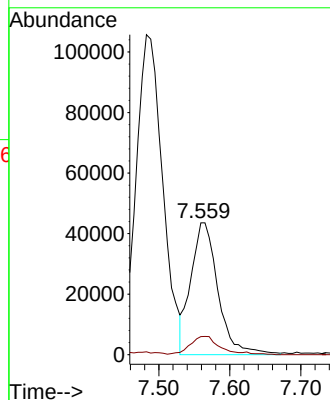
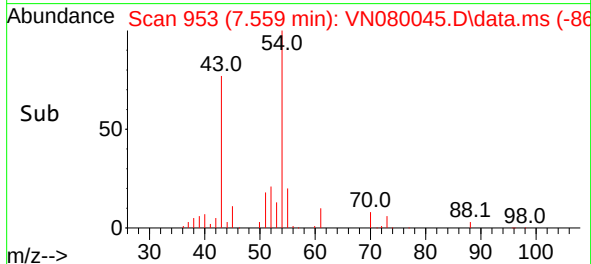
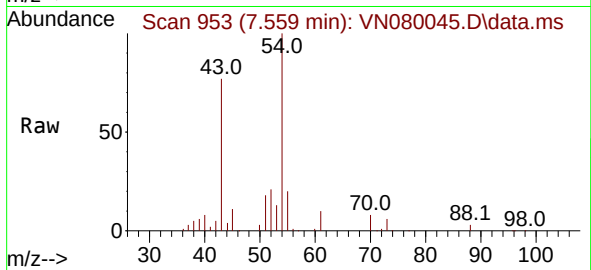
#43
Ethyl Acetate
Concen: 20.219 ug/l
RT: 7.559 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01

Tgt Ion: 43 Resp: 11595
Ion Ratio Lower Upper
43 100
45 13.7 11.8 17.8

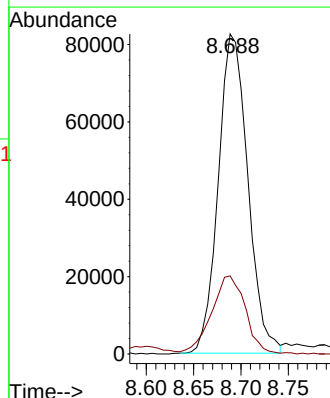
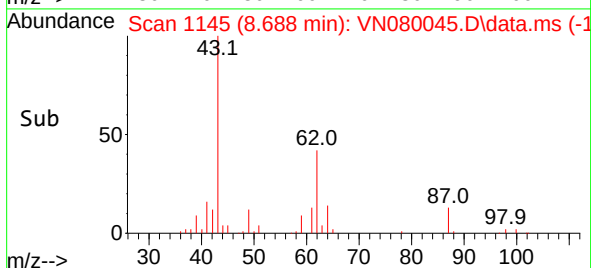
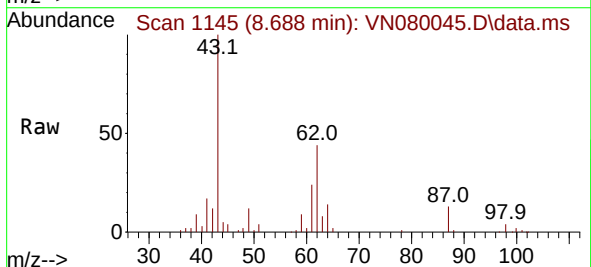
Manual Integrations
APPROVED

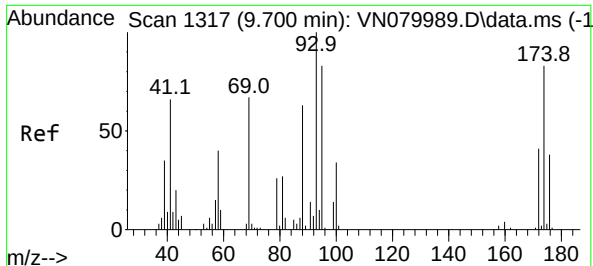
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#44
Isopropyl Acetate
Concen: 19.197 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 43 Resp: 179384
Ion Ratio Lower Upper
43 100
61 27.3 20.3 30.5





#45

1,4-Dioxane

Concen: 398.893 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.012 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

Tgt Ion: 88 Resp: 2872

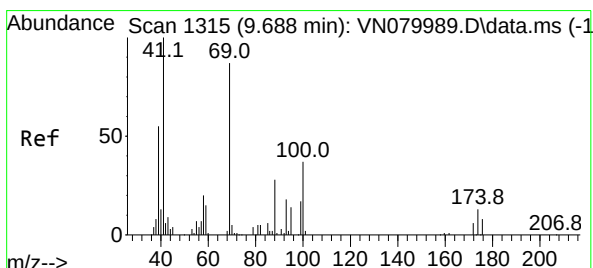
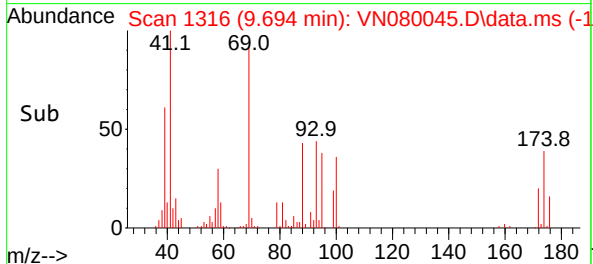
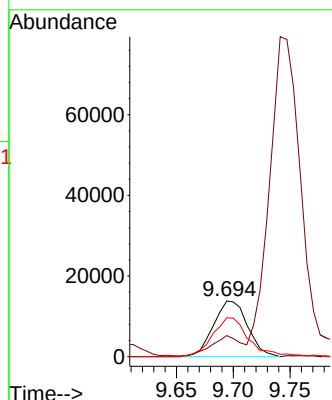
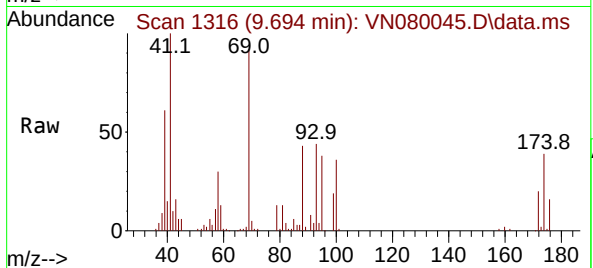
Ion	Ratio	Lower	Upper
88	100		
43	31.7	28.7	43.1
58	68.4	56.9	85.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#46

Methyl methacrylate

Concen: 19.256 ug/l

RT: 9.688 min Scan# 1315

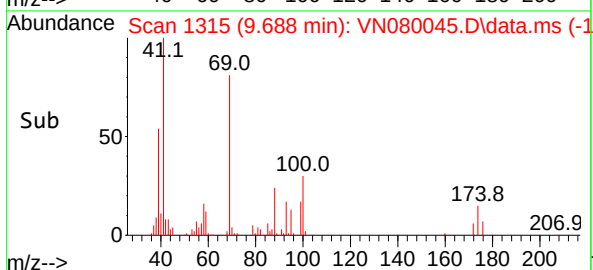
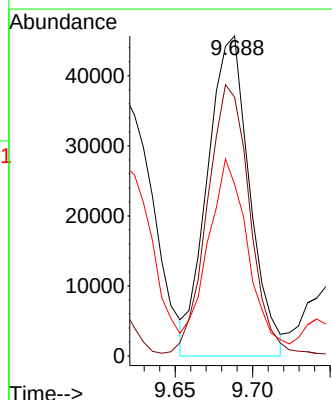
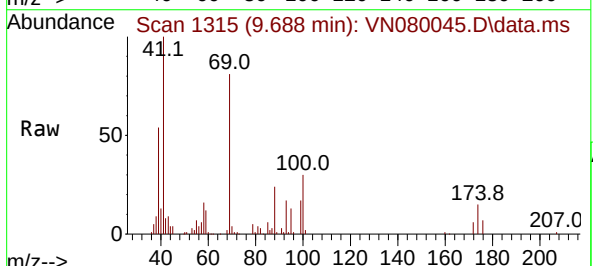
Delta R.T. 0.000 min

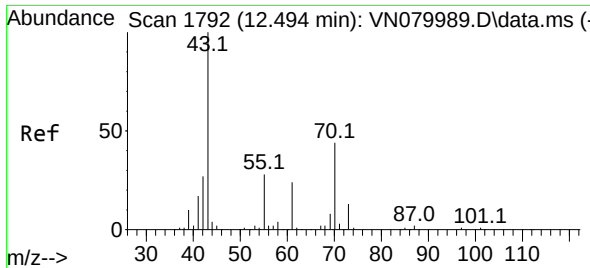
Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Tgt Ion: 41 Resp: 86496

Ion	Ratio	Lower	Upper
41	100		
69	82.3	40.0	119.9
39	52.0	31.1	93.3





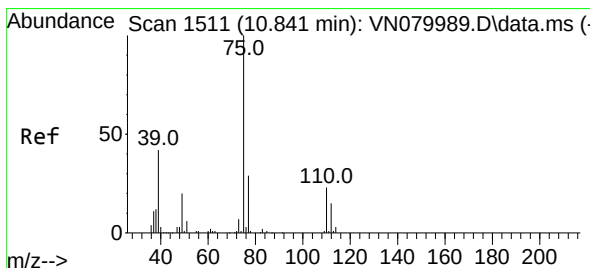
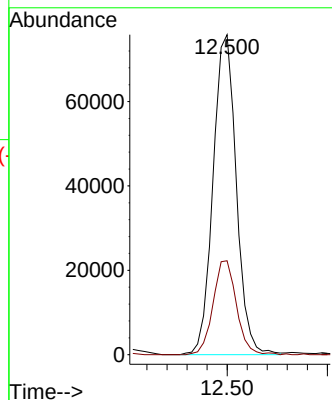
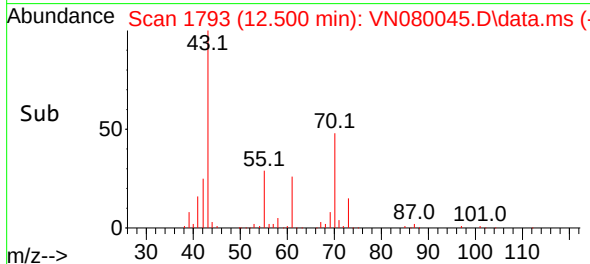
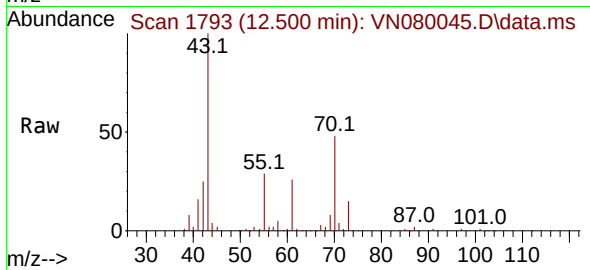
#47
n-amy1 Acetate
Concen: 16.284 ug/l
RT: 12.500 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01

Tgt Ion: 43 Resp: 12222
Ion Ratio Lower Upper
43 100
55 29.3 20.7 31.1

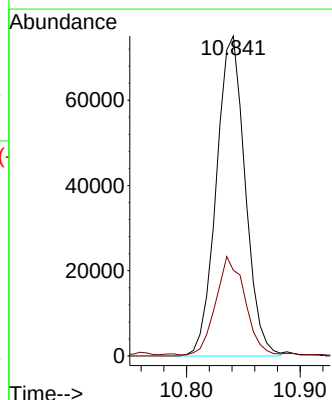
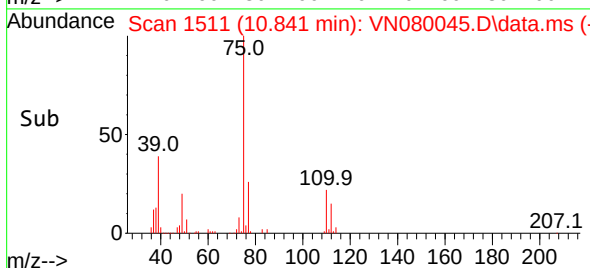
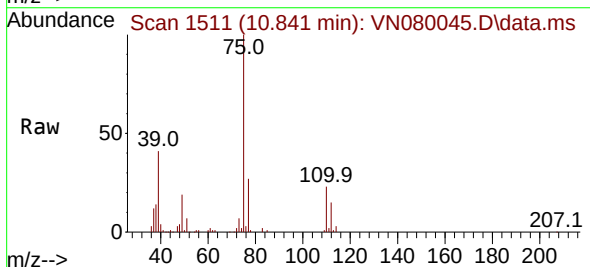
Manual Integrations
APPROVED

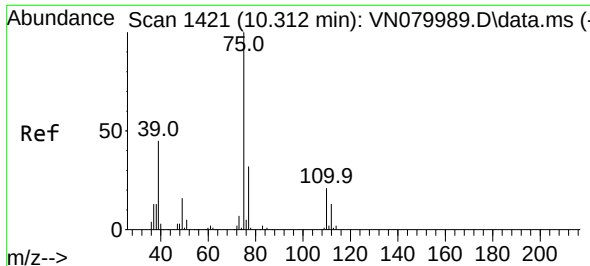
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#48
t-1,3-Dichloropropene
Concen: 19.273 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

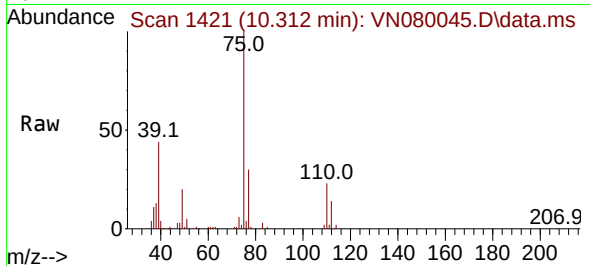
Tgt Ion: 75 Resp: 132442
Ion Ratio Lower Upper
75 100
77 26.5 25.6 38.4





#49
cis-1,3-Dichloropropene
Concen: 20.097 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

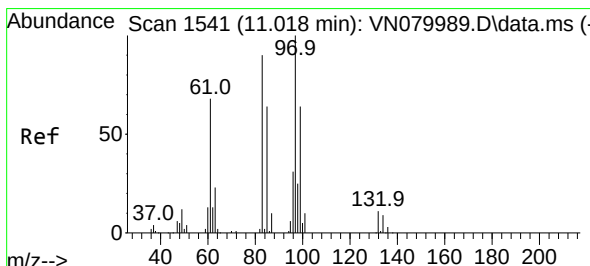
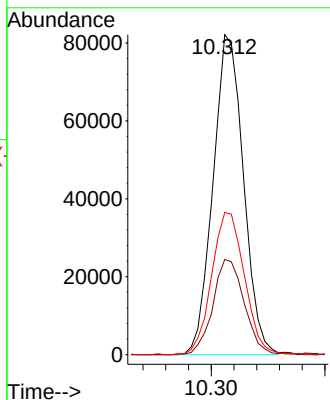
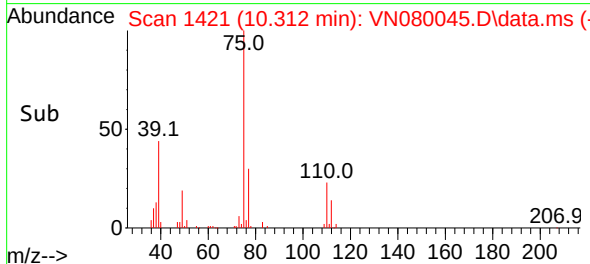
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion: 75 Resp: 152670
Ion Ratio Lower Upper
75 100
77 29.5 25.8 38.6
39 44.3 42.4 63.6

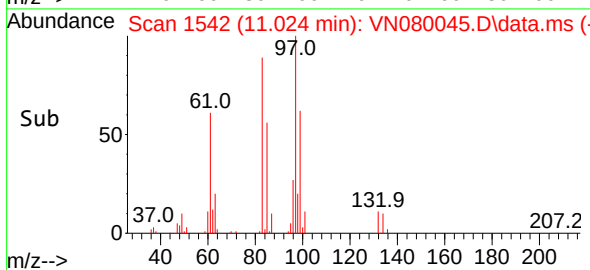
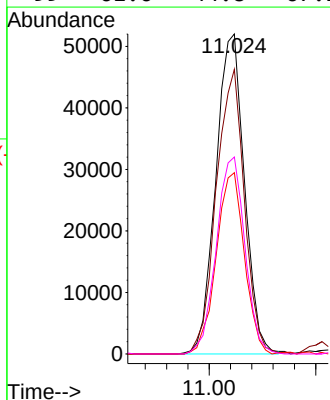
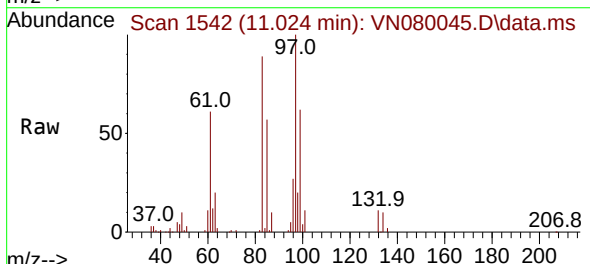
Manual Integrations
APPROVED

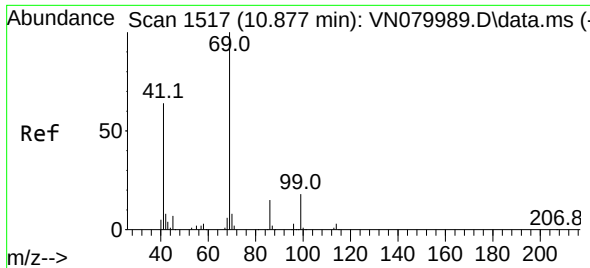
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#50
1,1,2-Trichloroethane
Concen: 21.847 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

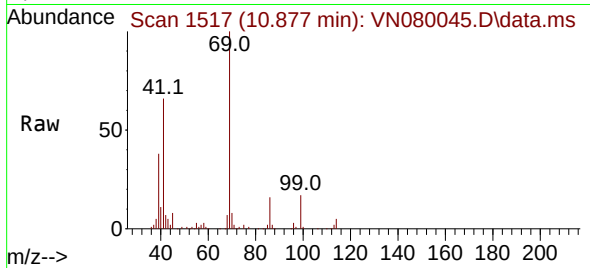
Tgt Ion: 97 Resp: 96817
Ion Ratio Lower Upper
97 100
83 88.9 68.2 102.4
85 56.7 42.9 64.3
99 61.6 44.8 67.2





#51
Ethyl methacrylate
Concen: 19.048 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.001 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

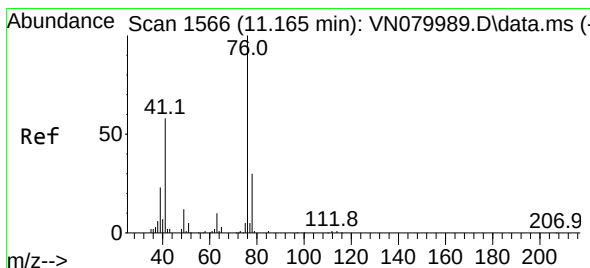
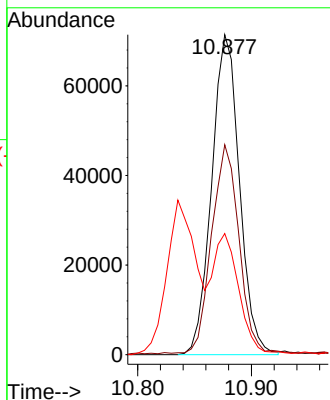
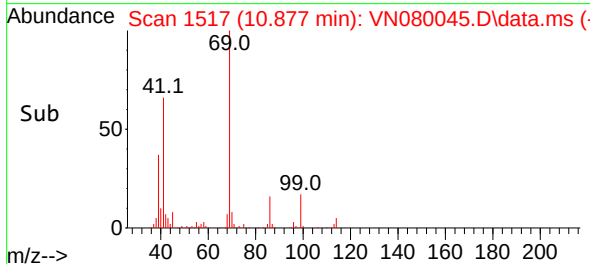
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion: 69 Resp: 121329
Ion Ratio Lower Upper
69 100
41 65.0 33.8 101.3
39 36.9 21.3 63.9

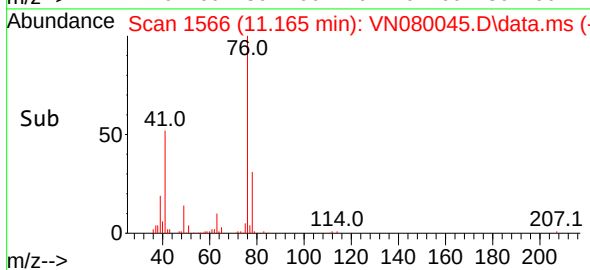
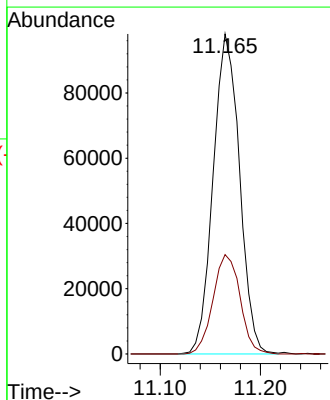
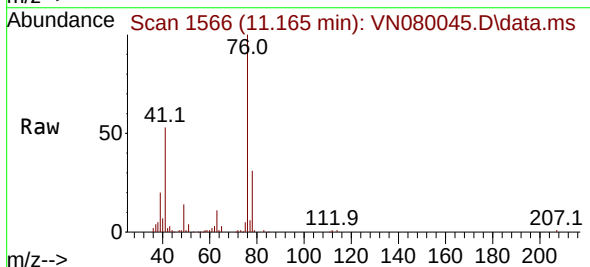
Manual Integrations
APPROVED

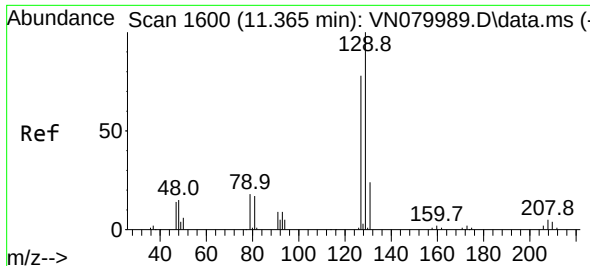
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#52
1,3-Dichloropropane
Concen: 22.578 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

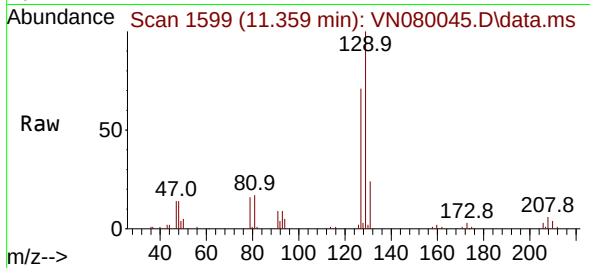
Tgt Ion: 76 Resp: 178886
Ion Ratio Lower Upper
76 100
78 31.8 0.0 64.0





#53
Dibromochloromethane
Concen: 19.987 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

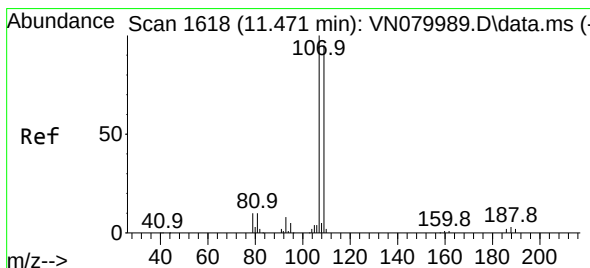
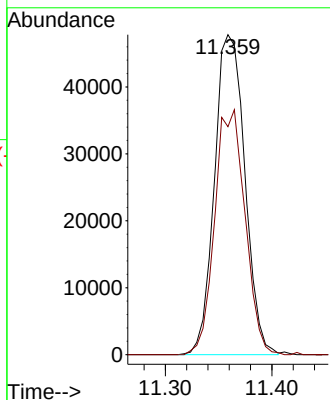
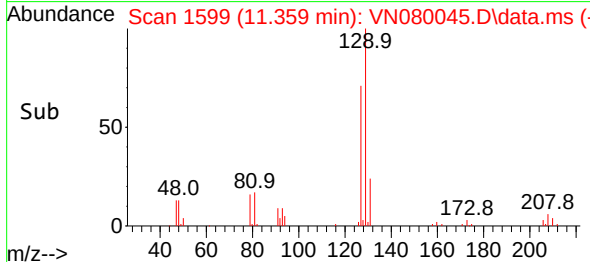
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



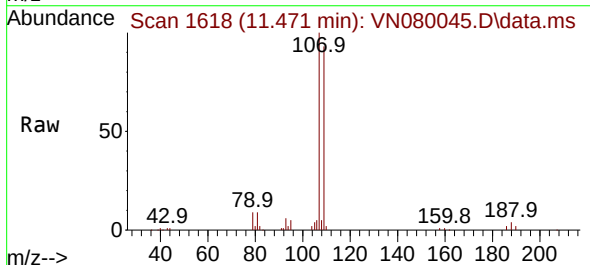
Tgt Ion:129 Resp: 94758
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.3

Manual Integrations
APPROVED

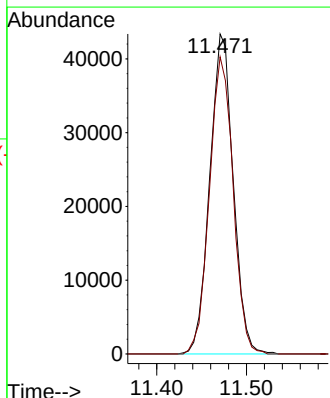
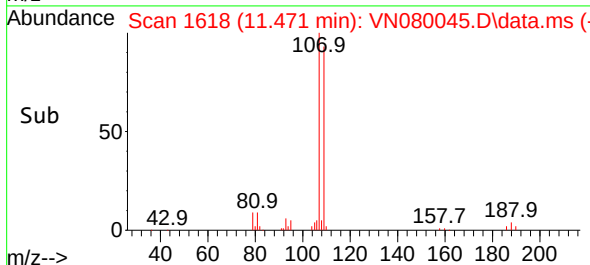
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

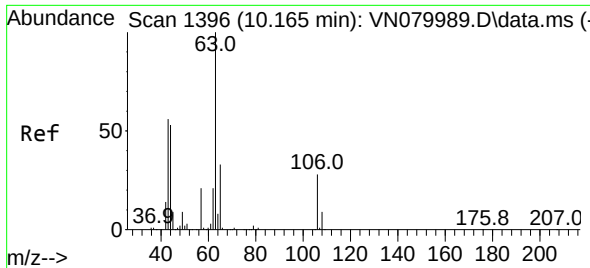


#54
1,2-Dibromoethane
Concen: 17.705 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.001 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35



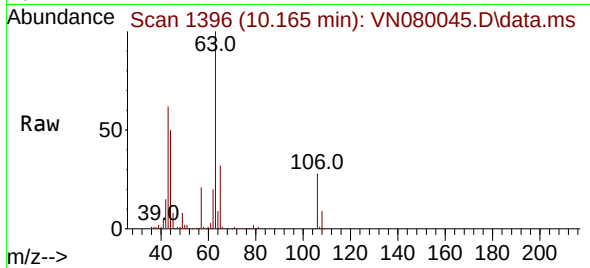
Tgt Ion:107 Resp: 78789
Ion Ratio Lower Upper
107 100
109 93.7 73.2 109.8





#55
2-Chloroethyl vinyl ether
Concen: 96.808 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

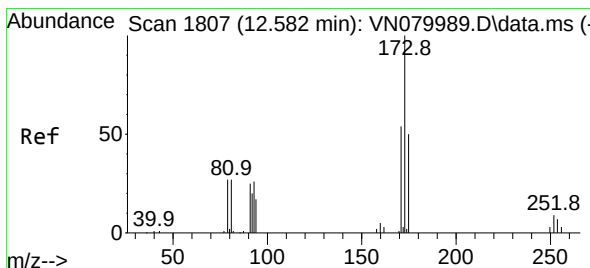
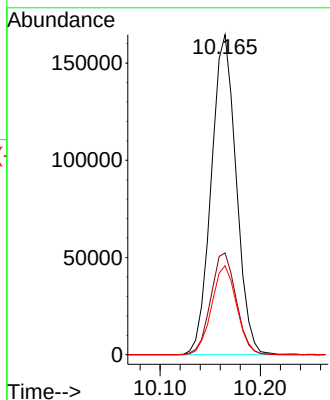
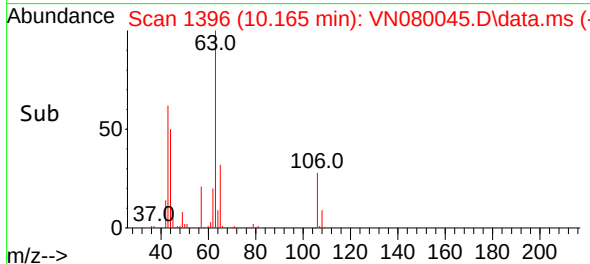
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion: 63 Resp: 283612
Ion Ratio Lower Upper
63 100
65 32.4 25.9 38.9
106 28.0 20.6 30.8

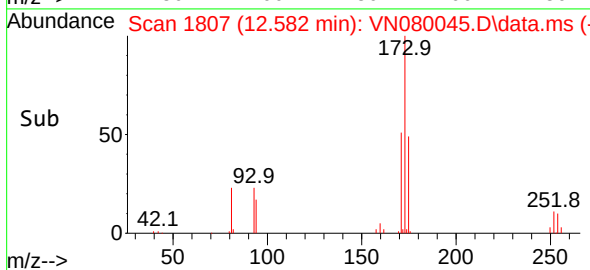
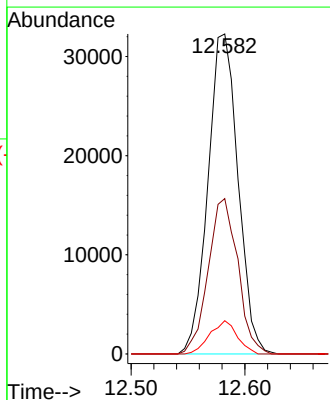
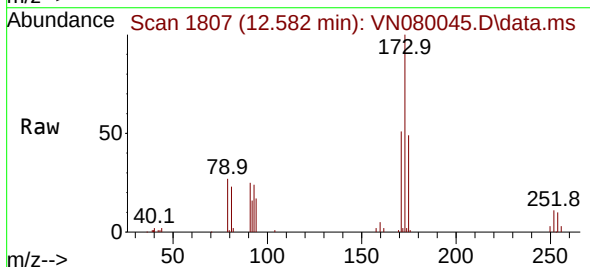
Manual Integrations
APPROVED

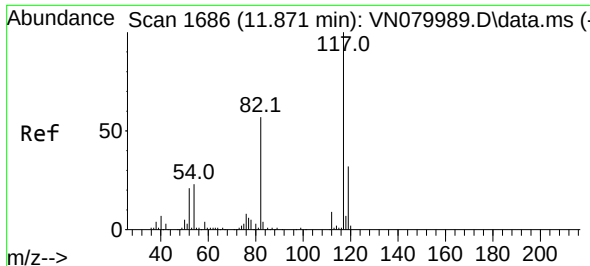
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#56
Bromoform
Concen: 19.121 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

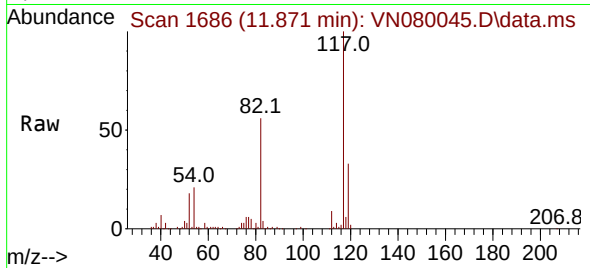
Tgt Ion:173 Resp: 59403
Ion Ratio Lower Upper
173 100
175 47.7 37.9 56.9
254 9.5 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1186
Delta R.T. 0.001 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

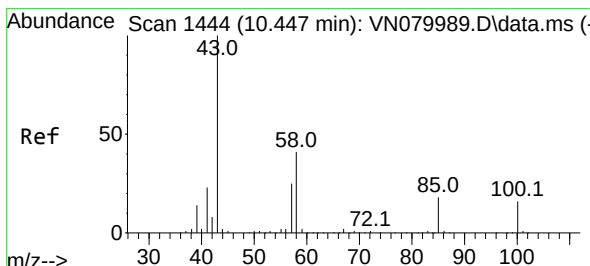
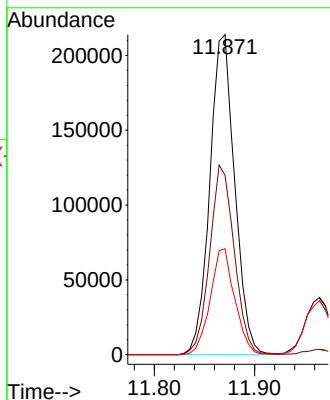
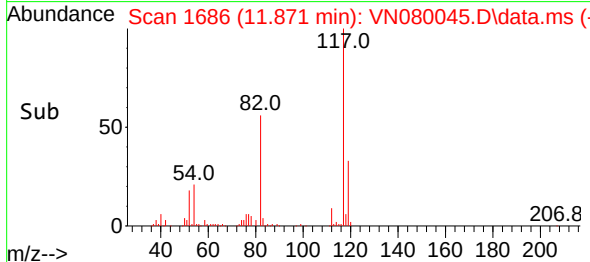
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion:117 Resp: 37006
Ion Ratio Lower Upper
117 100
82 58.4 46.2 69.2
119 32.5 25.2 37.8

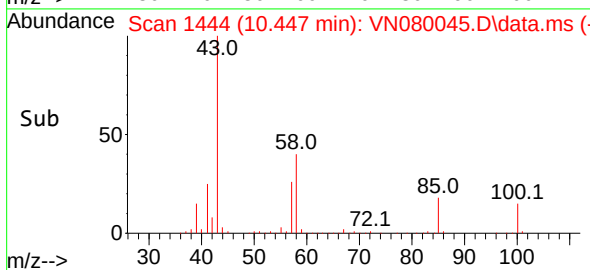
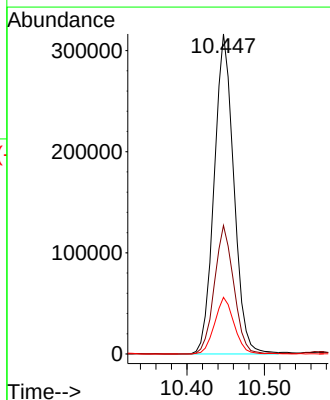
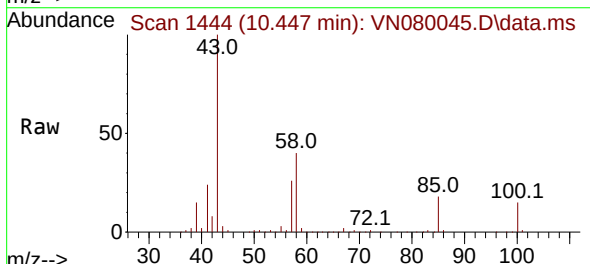
Manual Integrations
APPROVED

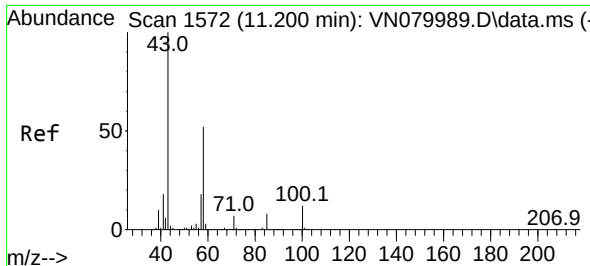
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#58
4-Methyl-2-Pentanone
Concen: 90.159 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

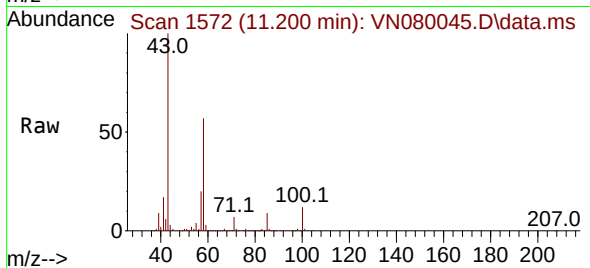
Tgt Ion: 43 Resp: 557414
Ion Ratio Lower Upper
43 100
58 39.5 30.4 45.6
85 17.4 13.2 19.8





#59
2-Hexanone
Concen: 92.399 ug/l
RT: 11.200 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

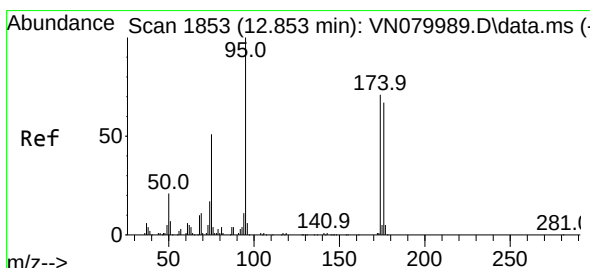
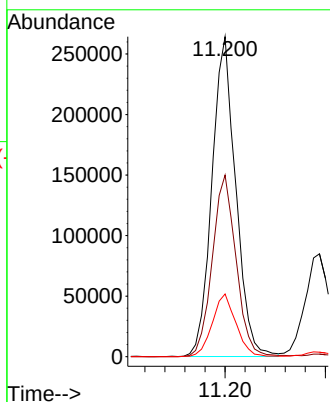
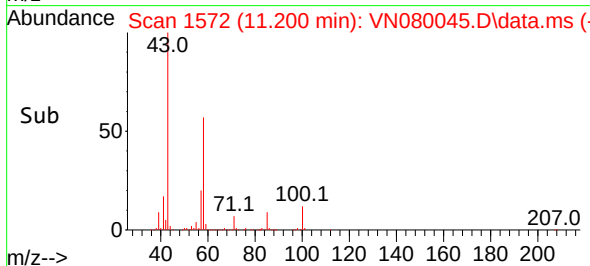
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



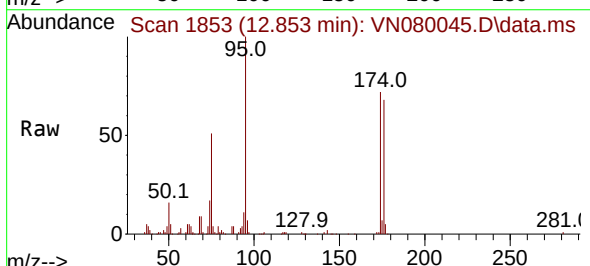
Tgt Ion: 43 Resp: 435170
Ion Ratio Lower Upper
43 100
58 56.9 42.3 63.5
57 19.5 13.9 20.9

Manual Integrations
APPROVED

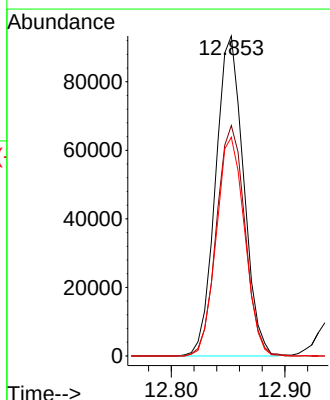
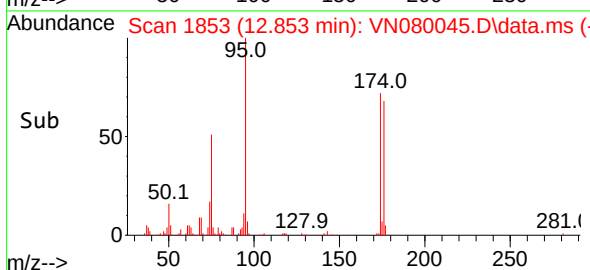
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

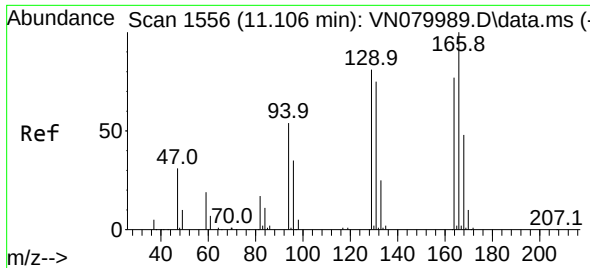


#60
4-Bromofluorobenzene
Concen: 27.032 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35



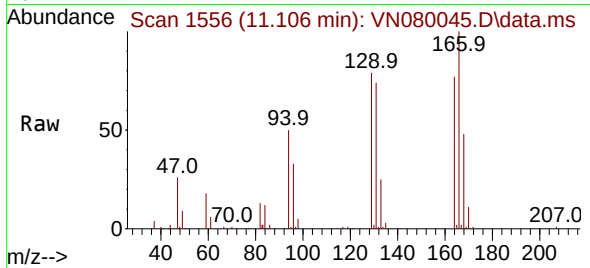
Tgt Ion: 95 Resp: 159972
Ion Ratio Lower Upper
95 100
174 73.0 60.5 90.7
176 69.2 57.2 85.8





#61
Tetrachloroethene
Concen: 20.156 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

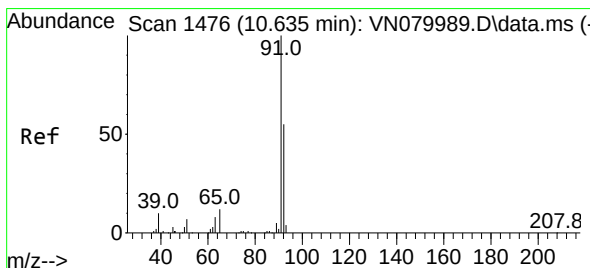
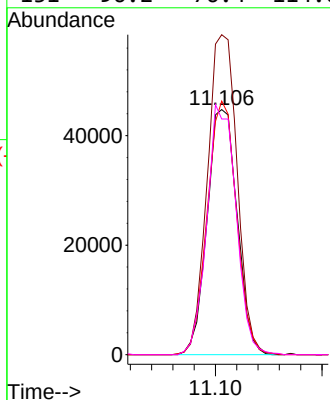
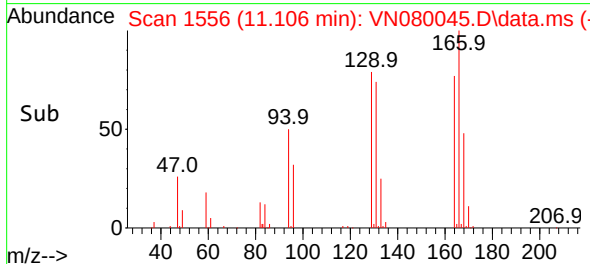
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



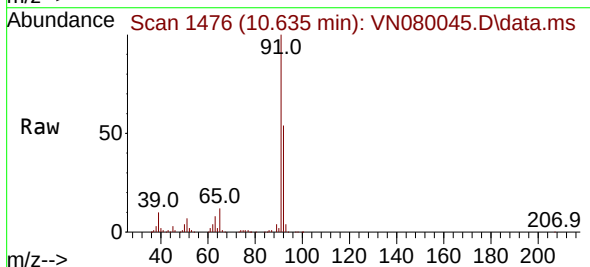
Tgt Ion:164 Resp: 8745
Ion Ratio Lower Upper
164 100
166 130.6 98.2 147.4
129 103.1 75.0 112.4
131 96.2 76.4 114.6

Manual Integrations
APPROVED

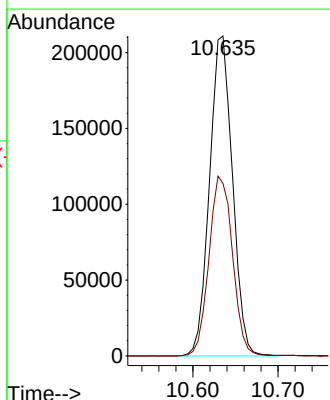
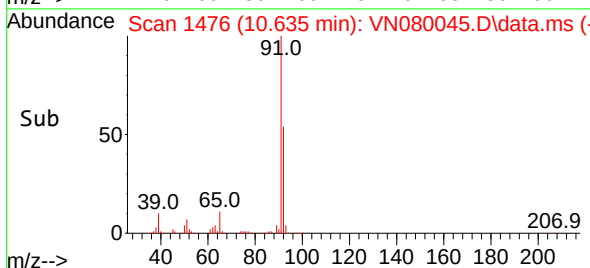
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

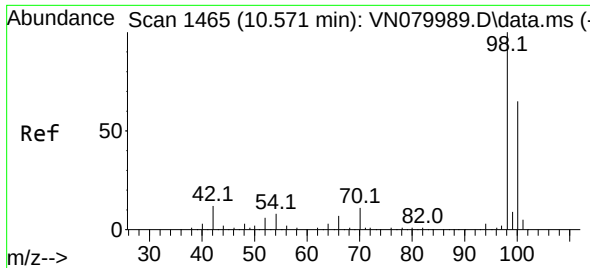


#62
Toluene
Concen: 18.491 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35



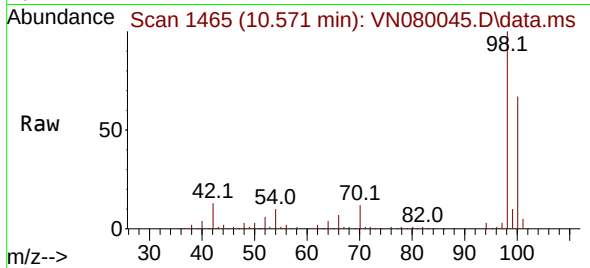
Tgt Ion: 91 Resp: 395776
Ion Ratio Lower Upper
91 100
92 57.6 45.3 67.9





#63
Toluene-d8
Concen: 28.488 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

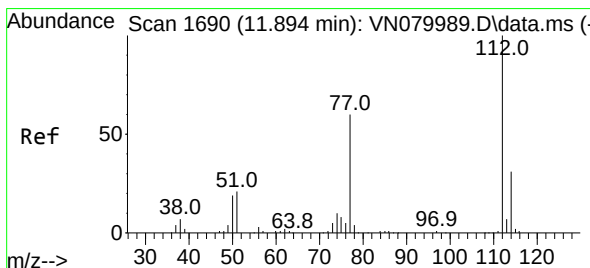
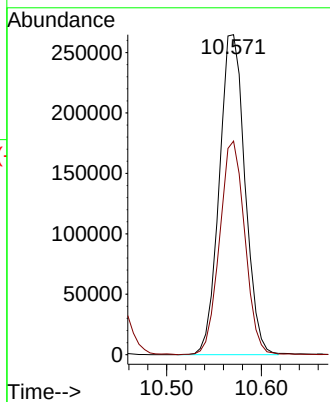
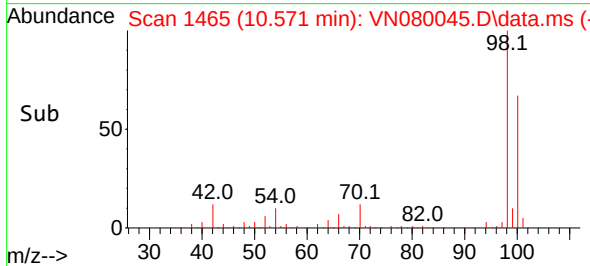
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion: 98 Resp: 49951
Ion Ratio Lower Upper
98 100
100 65.4 51.6 77.4

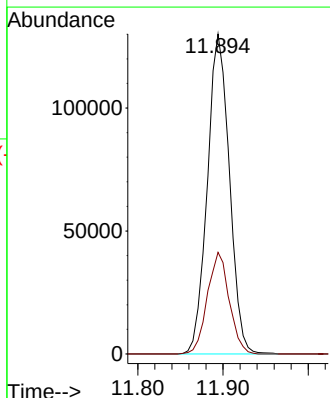
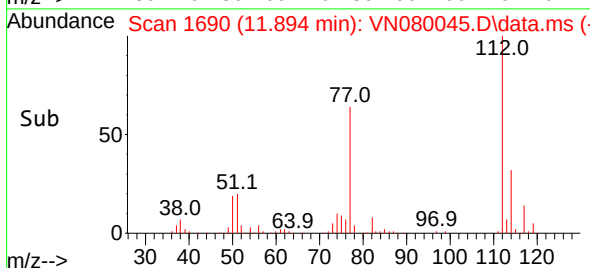
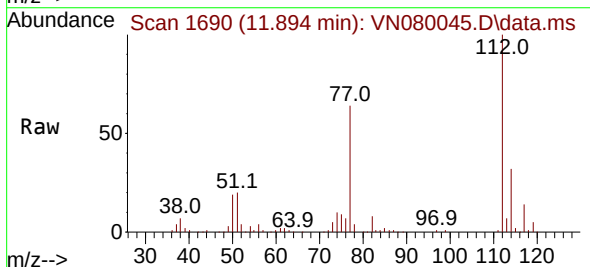
Manual Integrations
APPROVED

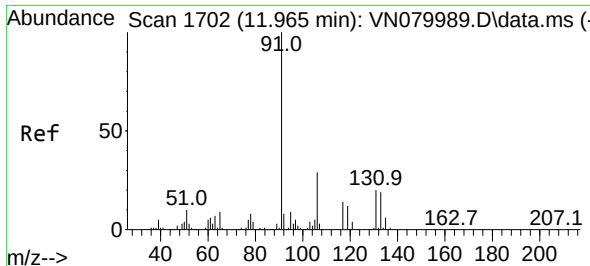
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#64
Chlorobenzene
Concen: 18.345 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion:112 Resp: 234320
Ion Ratio Lower Upper
112 100
114 31.7 28.1 42.1





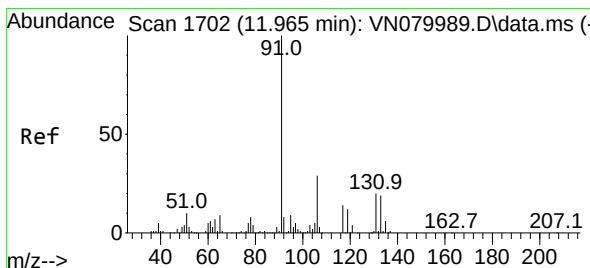
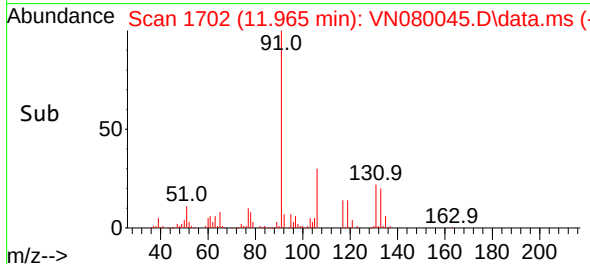
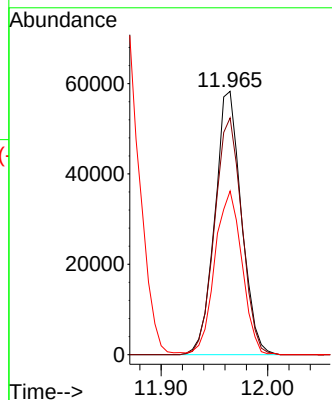
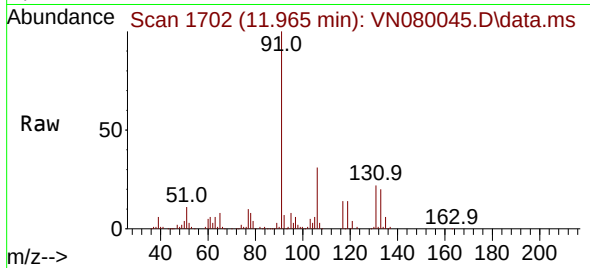
#65
1,1,1,2-Tetrachloroethane
Concen: 21.527 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01

Tgt Ion:131 Resp: 10086
Ion Ratio Lower Upper
131 100
133 92.3 0.0 196.0
119 63.4 0.0 135.6

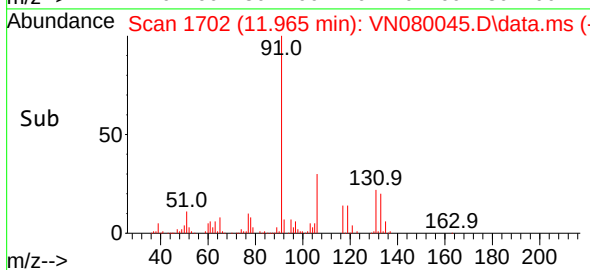
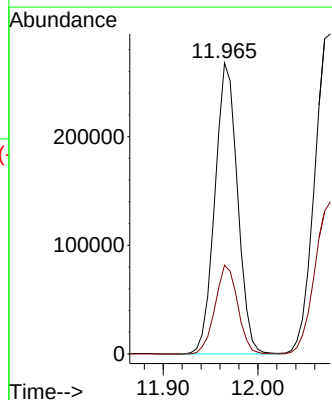
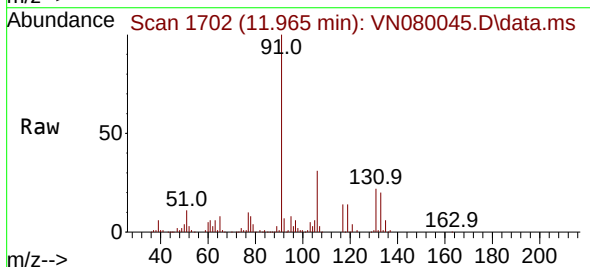
Manual Integrations
APPROVED

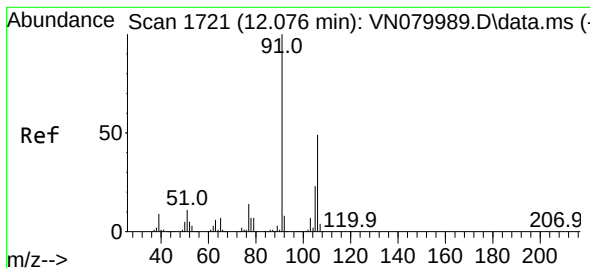
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#66
Ethyl Benzene
Concen: 19.795 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.005 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 91 Resp: 445228
Ion Ratio Lower Upper
91 100
106 30.6 23.8 35.8





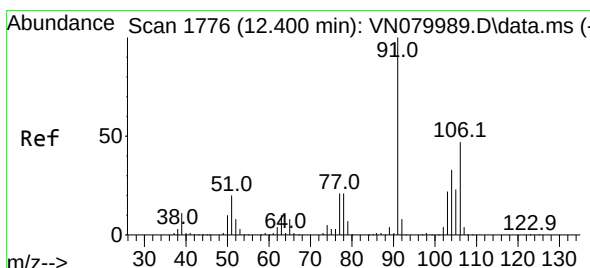
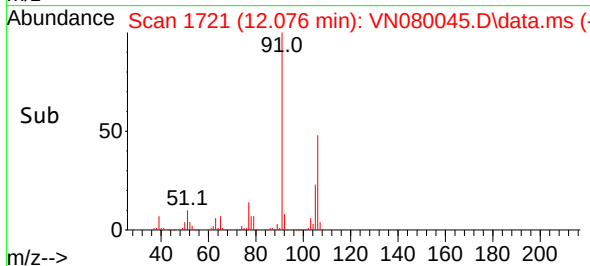
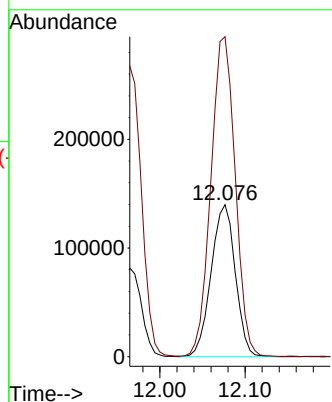
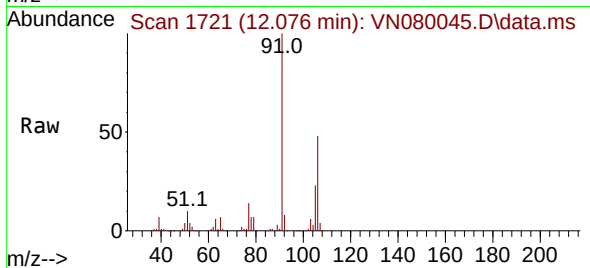
#67
m/p-Xylenes
Concen: 32.940 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01

Tgt Ion:106 Resp: 27582
Ion Ratio Lower Upper
106 100
91 212.1 161.8 242.6

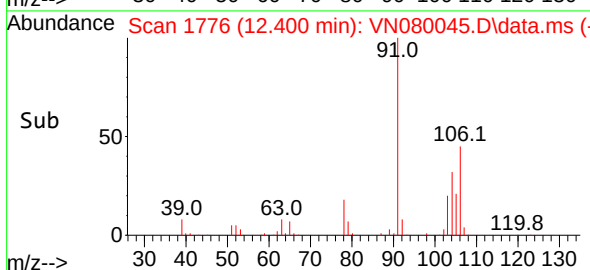
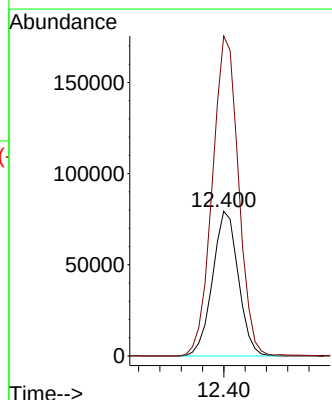
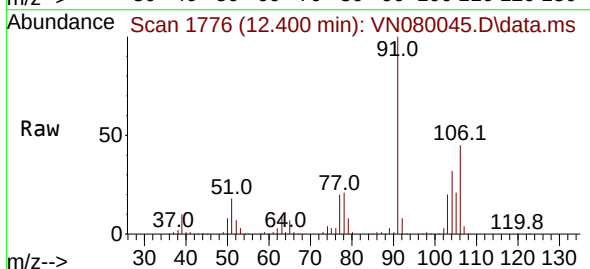
Manual Integrations
APPROVED

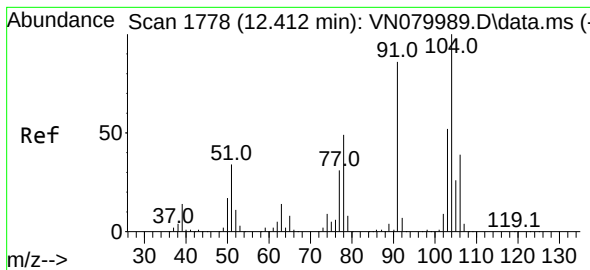
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#68
o-Xylene
Concen: 16.566 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion:106 Resp: 132960
Ion Ratio Lower Upper
106 100
91 224.4 109.9 329.7





#69

Styrene

Concen: 16.826 ug/l

RT: 12.418 min Scan# 1778

Delta R.T. 0.001 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

Tgt Ion:104 Resp: 22356

Ion Ratio Lower Upper

104 100

78 52.5 41.2 61.8

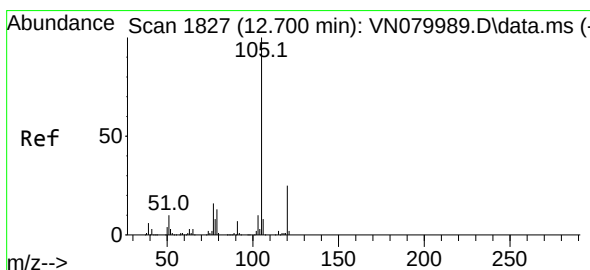
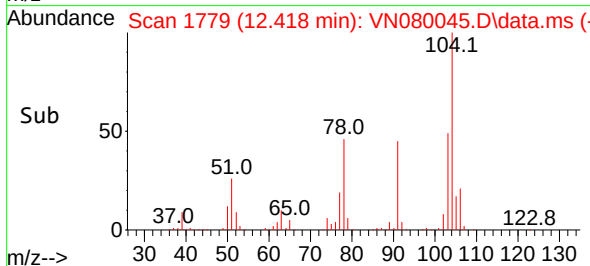
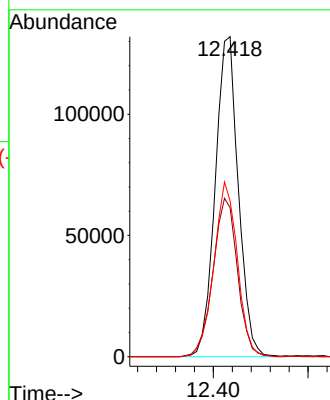
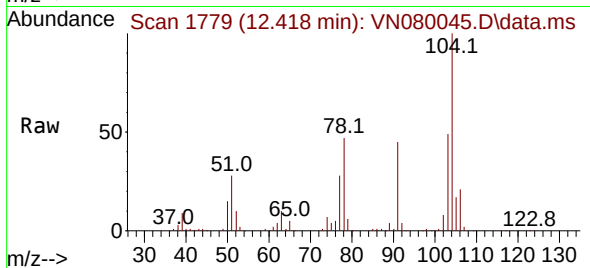
103 55.5 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#70

Isopropylbenzene

Concen: 16.867 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN080045.D

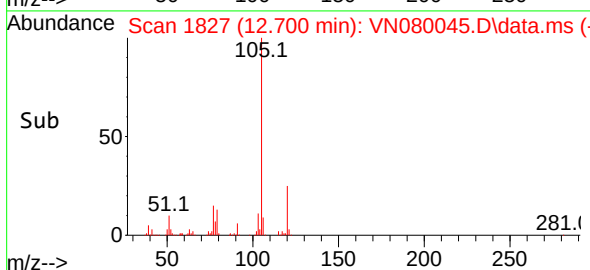
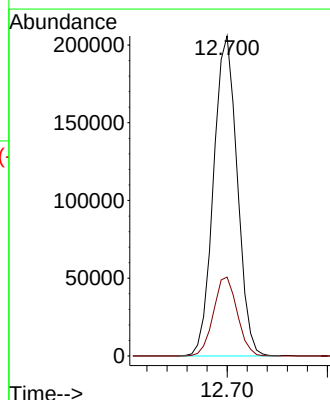
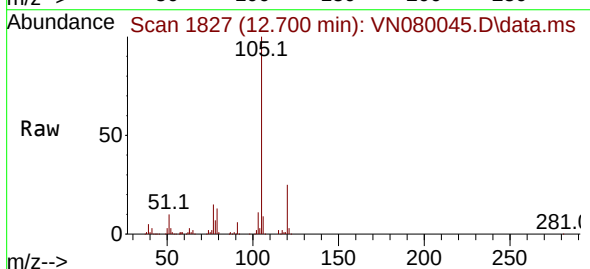
Acq: 10 Nov 2023 11:35

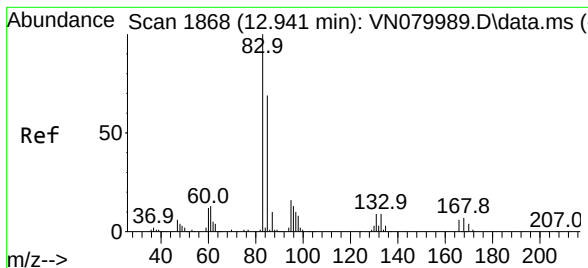
Tgt Ion:105 Resp: 337685

Ion Ratio Lower Upper

105 100

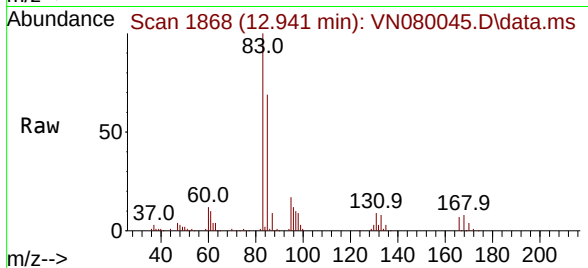
120 24.7 18.1 33.5





#71
1,1,2,2-Tetrachloroethane
Concen: 16.589 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

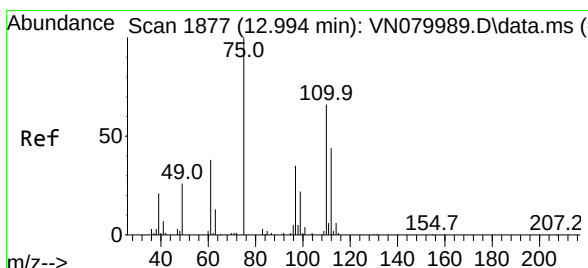
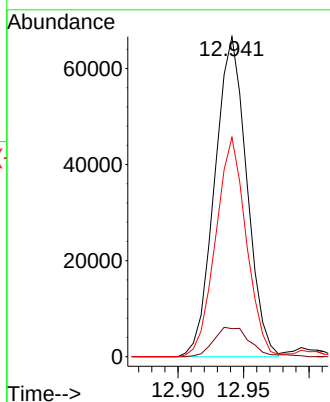
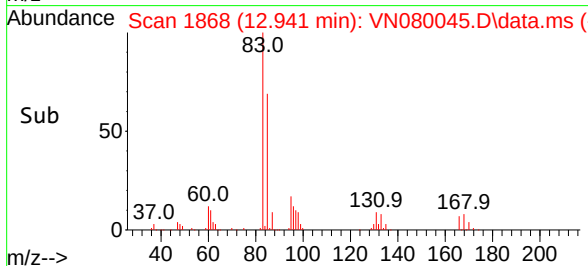
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



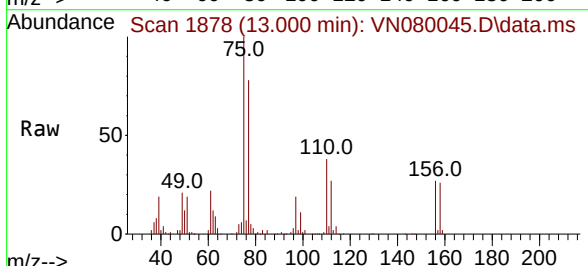
Tgt Ion: 83 Resp: 113119
Ion Ratio Lower Upper
83 100
131 10.2 4.5 13.4
85 65.4 32.1 96.3

Manual Integrations
APPROVED

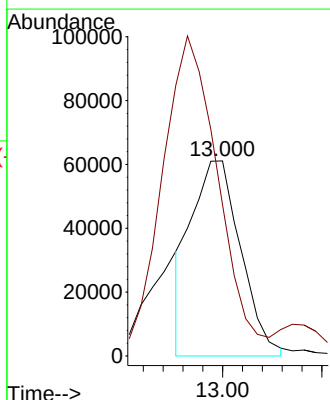
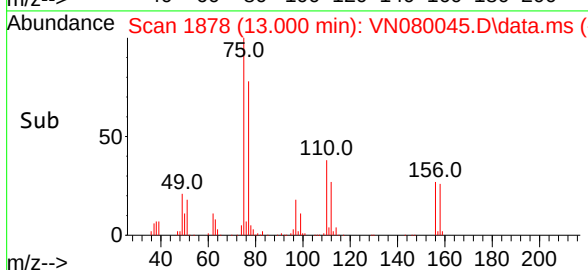
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

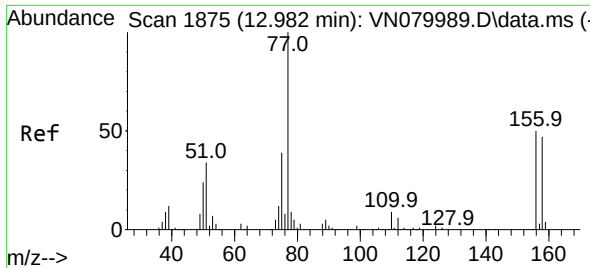


#72
1,2,3-Trichloropropane
Concen: 16.687 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35



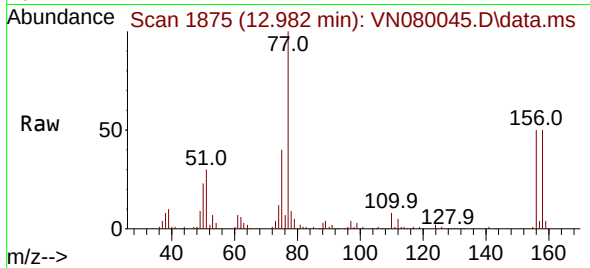
Tgt Ion: 75 Resp: 105723
Ion Ratio Lower Upper
75 100
77 187.3 0.0 338.2





#73
Bromobenzene
Concen: 17.724 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

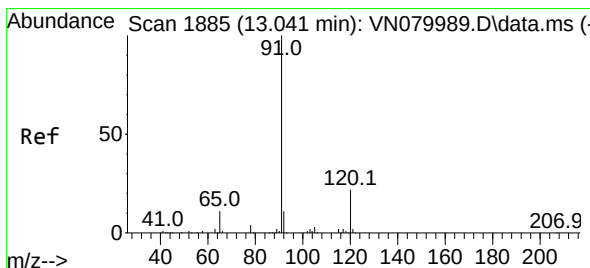
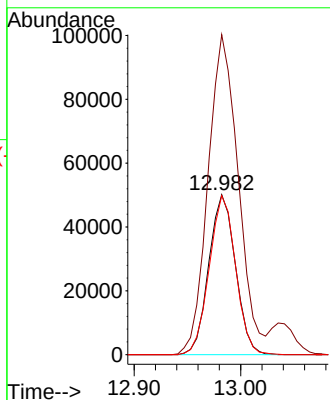
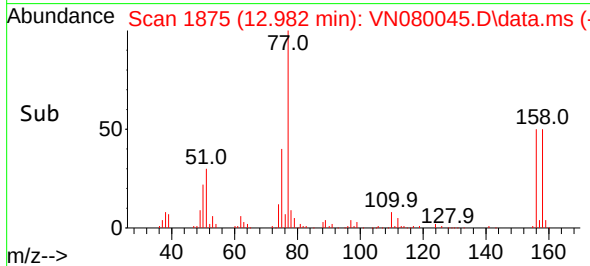
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



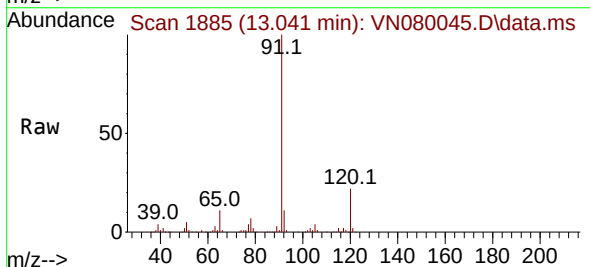
Tgt Ion:156 Resp: 87233
Ion Ratio Lower Upper
156 100
77 227.0 0.0 448.2
158 98.1 0.0 194.8

Manual Integrations
APPROVED

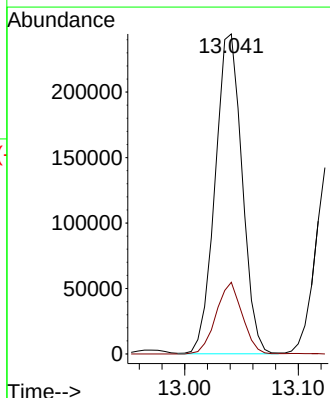
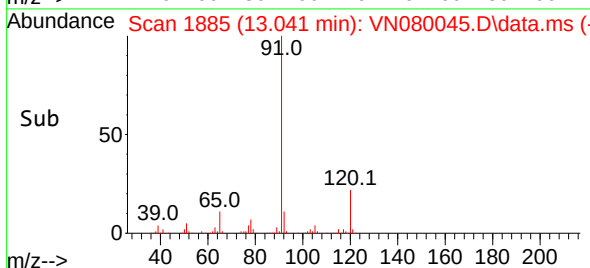
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

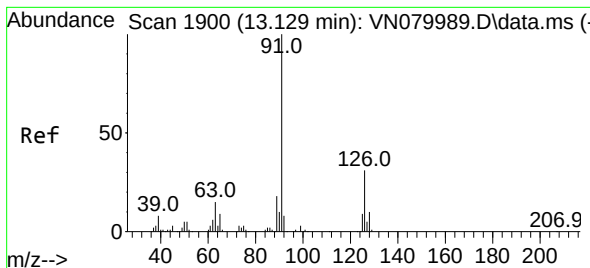


#74
n-propylbenzene
Concen: 16.833 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35



Tgt Ion: 91 Resp: 403156
Ion Ratio Lower Upper
91 100
120 21.7 0.0 42.0





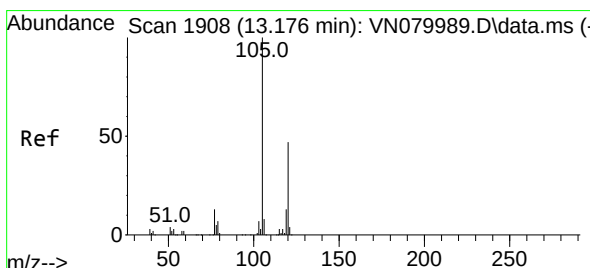
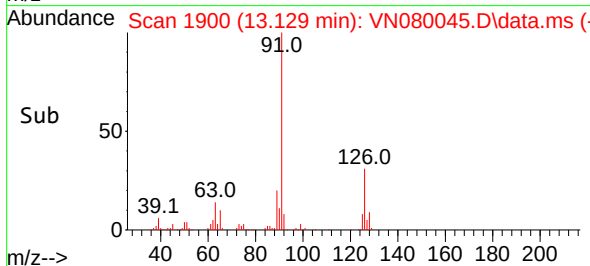
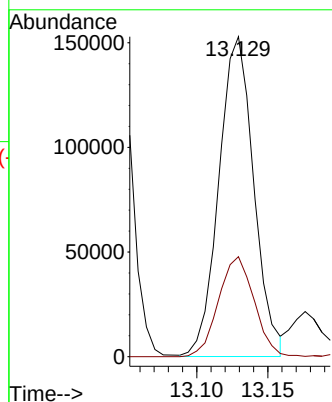
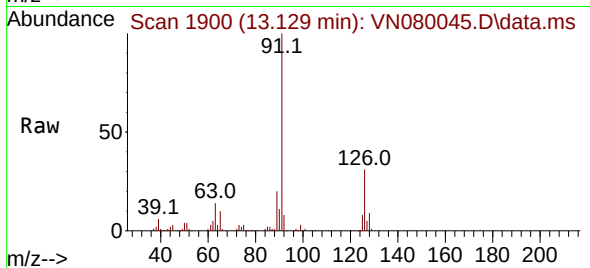
#75
2-Chlorotoluene
Concen: 17.149 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01

Tgt Ion: 91 Resp: 261060
Ion Ratio Lower Upper
91 100
126 31.9 0.0 64.6

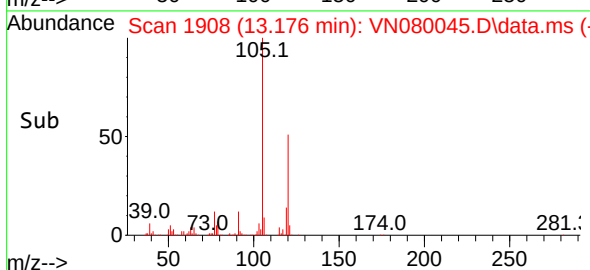
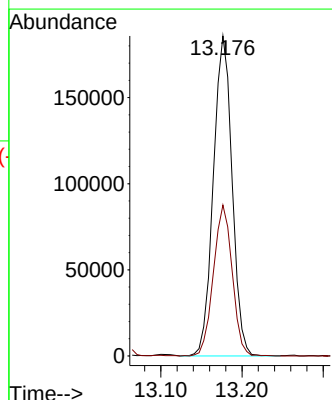
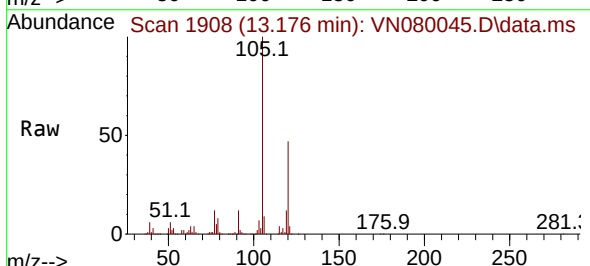
Manual Integrations
APPROVED

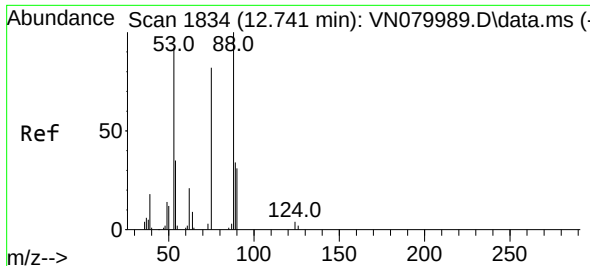
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#76
1,3,5-Trimethylbenzene
Concen: 18.017 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

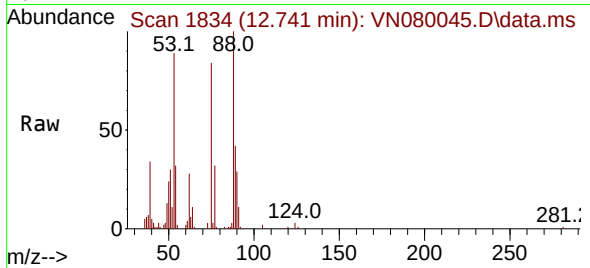
Tgt Ion:105 Resp: 298338
Ion Ratio Lower Upper
105 100
120 47.0 0.0 93.2





#77
t-1,4-Dichloro-2-butene
Concen: 15.704 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

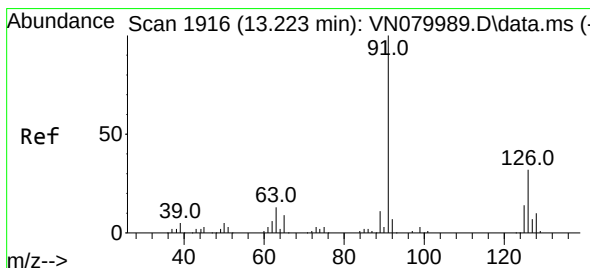
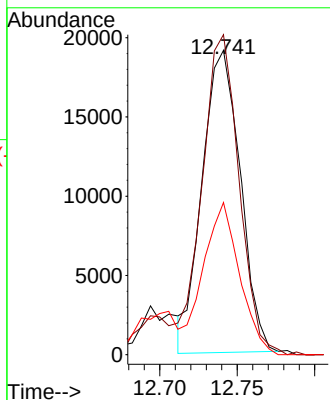
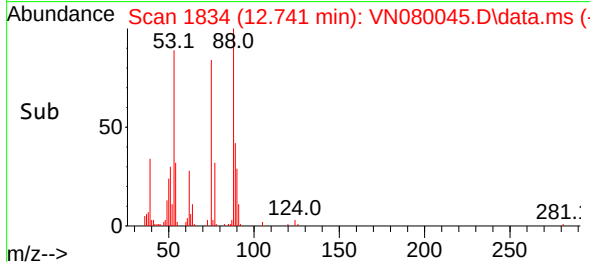
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion: 75 Resp: 32580
Ion Ratio Lower Upper
75 100
53 104.6 53.0 159.1
89 50.6 22.6 67.7

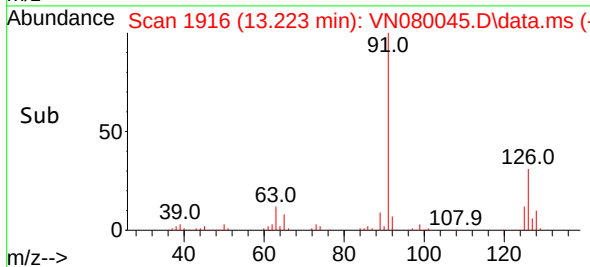
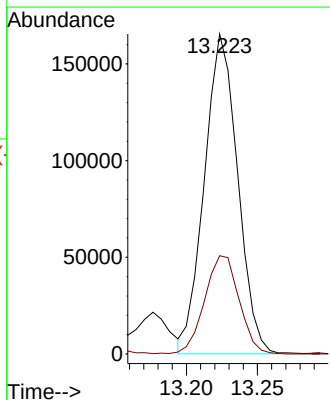
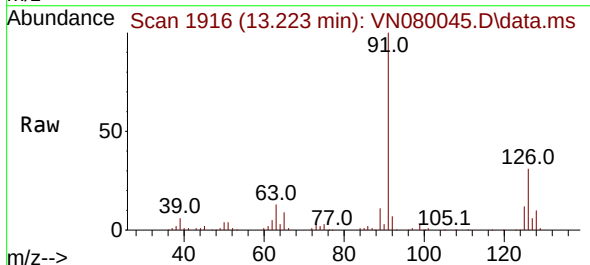
Manual Integrations
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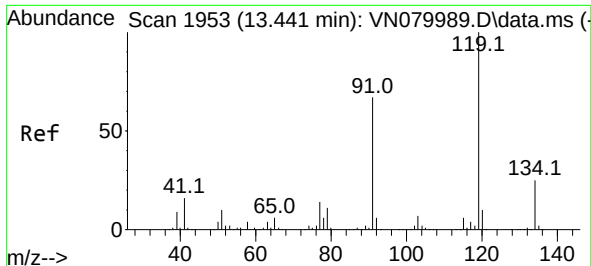
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#78
4-Chlorotoluene
Concen: 17.833 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion: 91 Resp: 269625
Ion Ratio Lower Upper
91 100
126 31.8 0.0 65.4





#79

tert-butylbenzene

Concen: 17.488 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

Tgt Ion:119 Resp: 226780

Ion Ratio Lower Upper

119 100

91 70.9 0.0 140.6

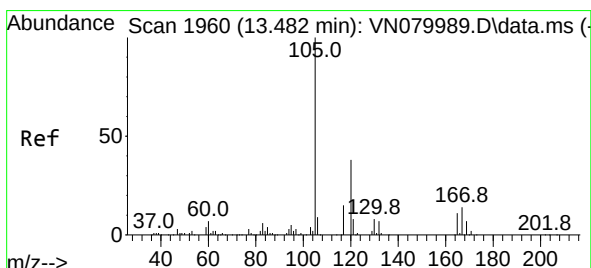
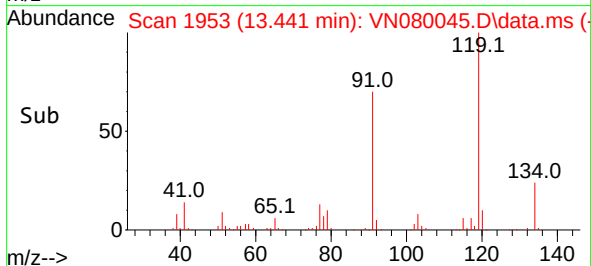
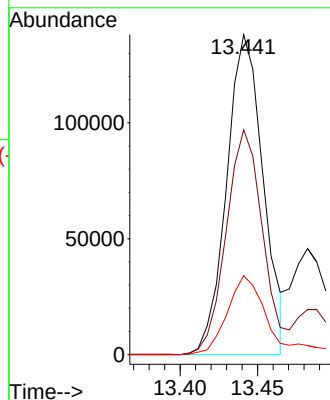
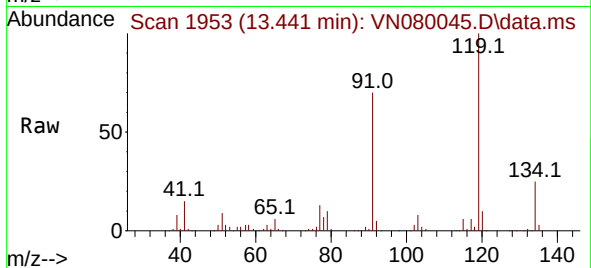
134 24.9 0.0 49.8

Manual Integrations

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Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#80

1,2,4-Trimethylbenzene

Concen: 18.374 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN080045.D

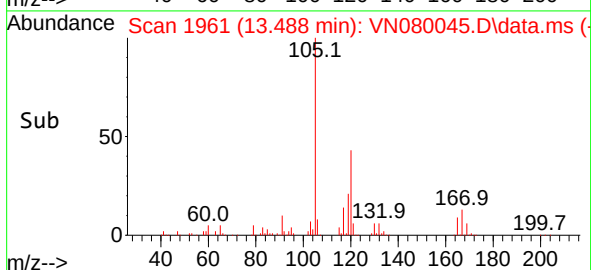
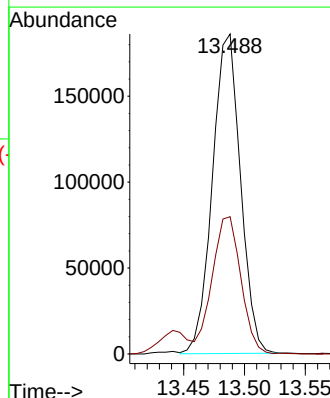
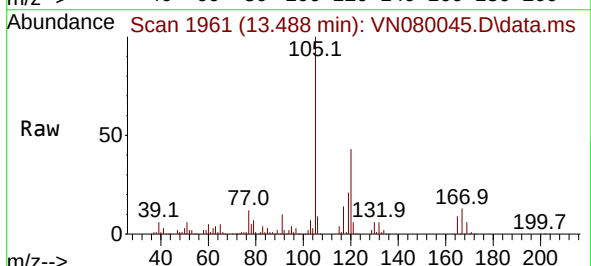
Acq: 10 Nov 2023 11:35

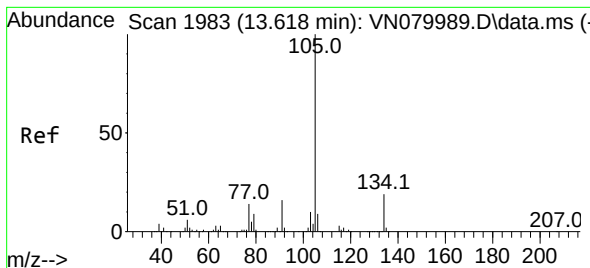
Tgt Ion:105 Resp: 298345

Ion Ratio Lower Upper

105 100

120 43.8 0.0 88.6





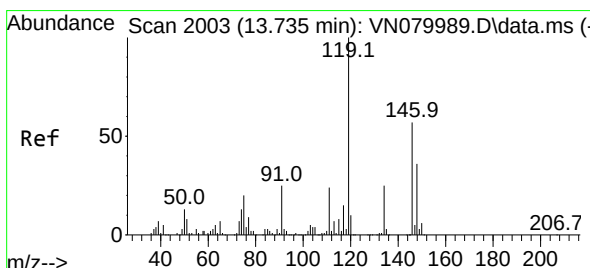
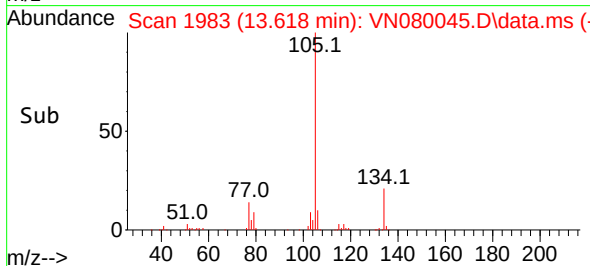
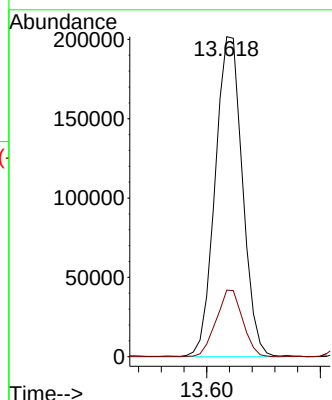
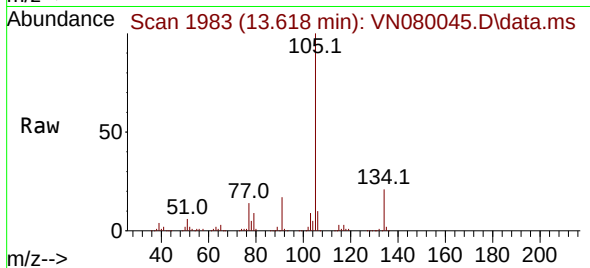
#81
 sec-Butylbenzene
 Concen: 18.388 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080045.D
 Acq: 10 Nov 2023 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBSD01

Tgt Ion:105 Resp: 336594
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 38.2

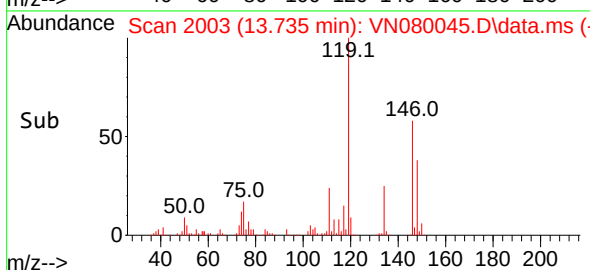
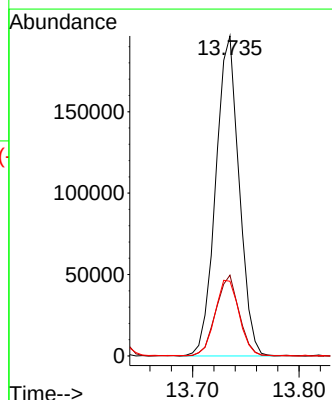
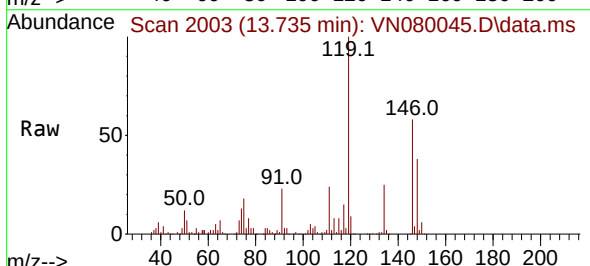
Manual Integrations
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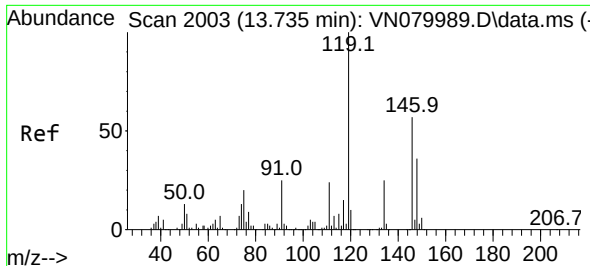
Reviewed By :John Carlone 11/13/2023
 Supervised By :Mahesh Dadoda 11/13/2023



#82
 p-Isopropyltoluene
 Concen: 20.184 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN080045.D
 Acq: 10 Nov 2023 11:35

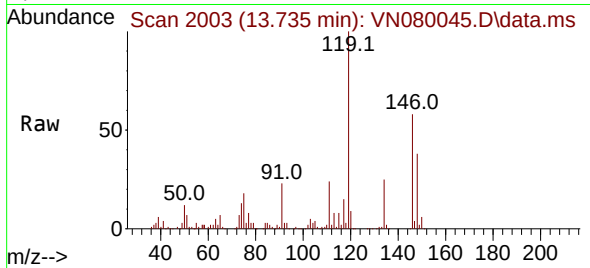
Tgt Ion:119 Resp: 300069
 Ion Ratio Lower Upper
 119 100
 134 25.1 0.0 52.2
 91 24.6 0.0 50.0





#83
 1,3-Dichlorobenzene
 Concen: 20.699 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN080045.D
 Acq: 10 Nov 2023 11:35

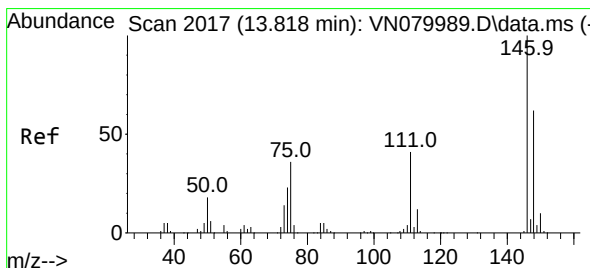
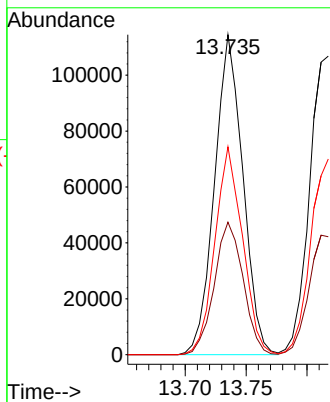
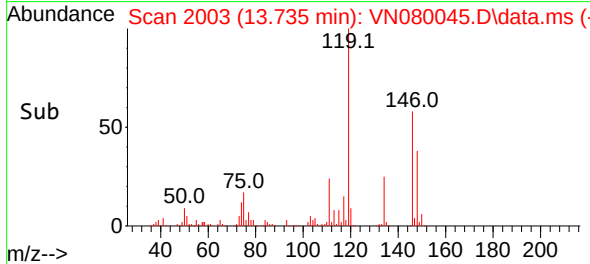
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBSD01



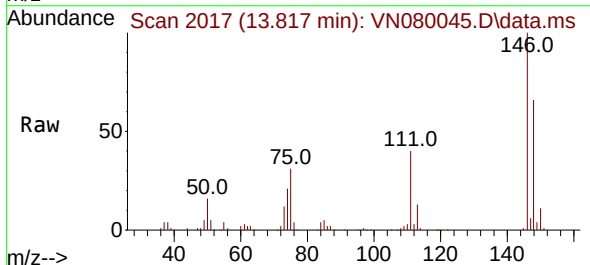
Tgt Ion:146 Resp: 185640
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.0 63.0
 148 63.3 32.4 97.0

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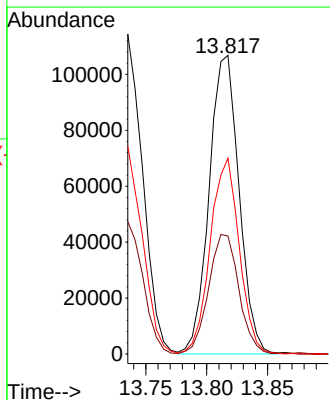
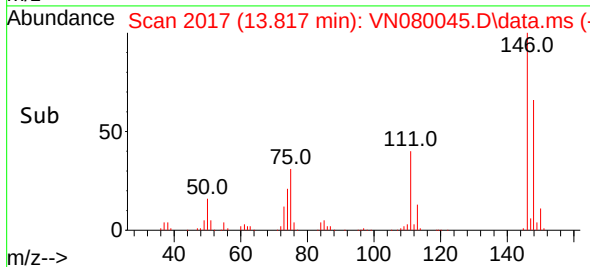
Reviewed By :John Carlone 11/13/2023
 Supervised By :Mahesh Dadoda 11/13/2023

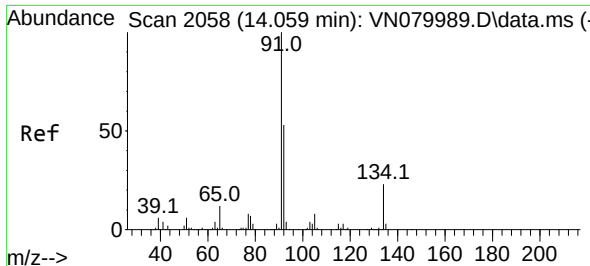


#84
 1,4-Dichlorobenzene
 Concen: 20.770 ug/l
 RT: 13.817 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VN080045.D
 Acq: 10 Nov 2023 11:35



Tgt Ion:146 Resp: 182837
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.9 59.7
 148 63.6 32.6 97.7





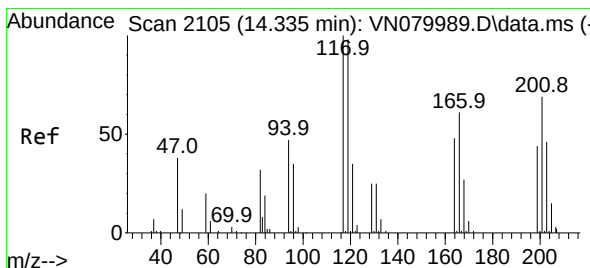
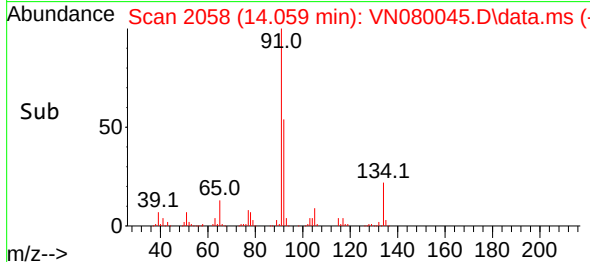
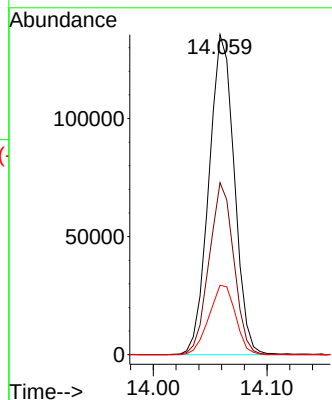
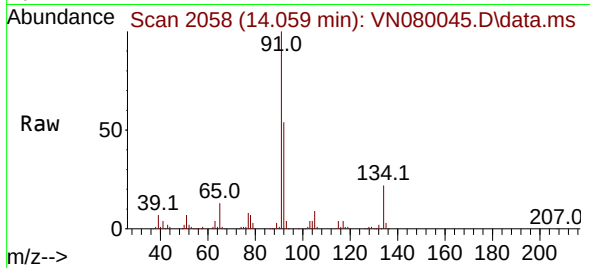
#85
n-Butylbenzene
Concen: 16.957 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01

Tgt Ion: 91 Resp: 21084
Ion Ratio Lower Upper
91 100
92 52.2 0.0 99.6
134 22.7 0.0 46.2

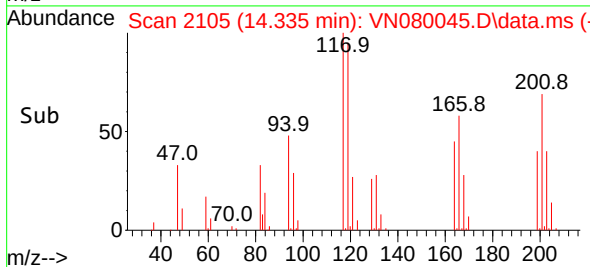
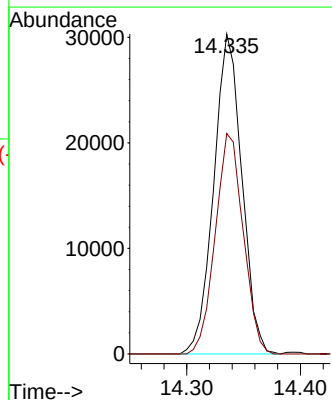
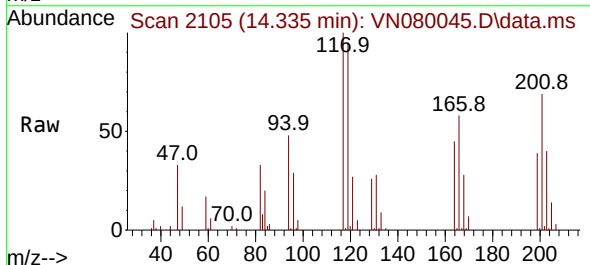
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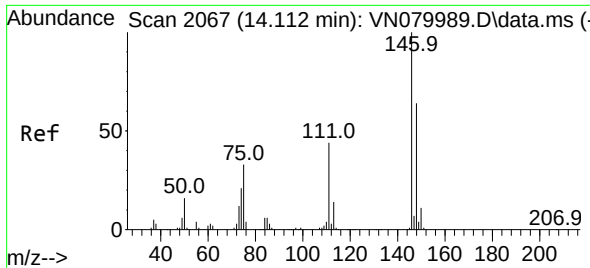
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#86
Hexachloroethane
Concen: 18.022 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion:117 Resp: 52100
Ion Ratio Lower Upper
117 100
201 68.5 32.5 97.5





#87

1,2-Dichlorobenzene

Concen: 18.527 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.001 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

Tgt Ion:146 Resp: 158740

Ion Ratio Lower Upper

146 100

111 44.6 22.0 66.0

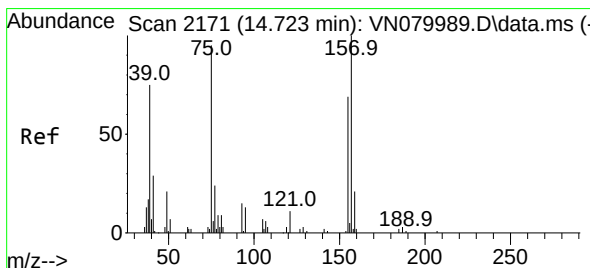
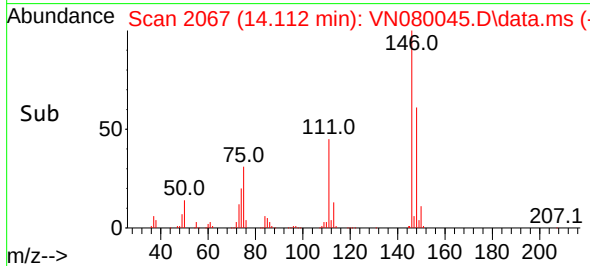
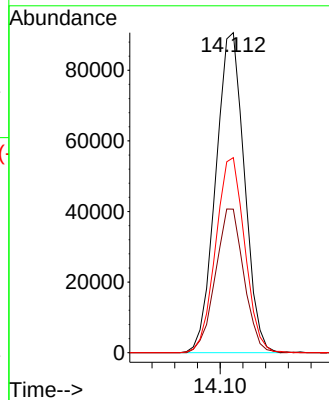
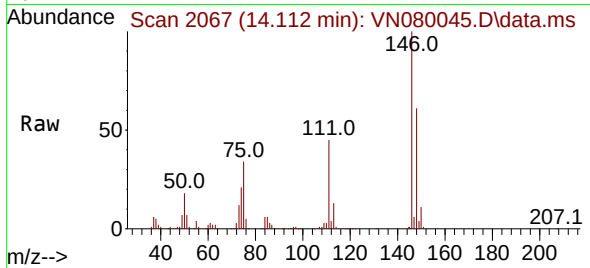
148 61.8 31.1 93.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.639 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

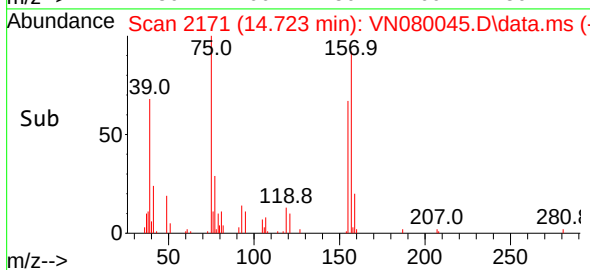
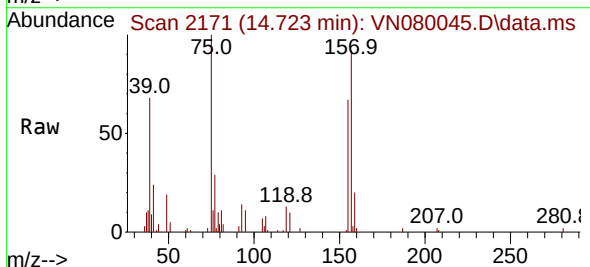
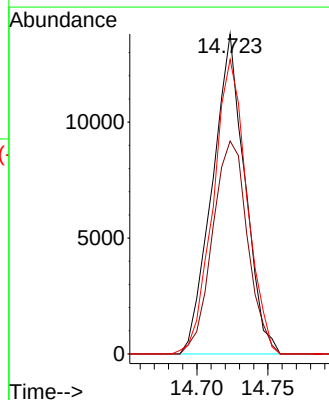
Tgt Ion: 75 Resp: 21995

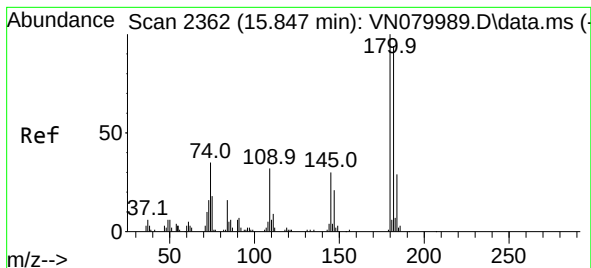
Ion Ratio Lower Upper

75 100

155 71.9 60.7 91.1

157 95.0 76.8 115.2





#89

1,2,4-Trichlorobenzene

Concen: 17.090 ug/l

RT: 15.841 min Scan# 2362

Delta R.T. -0.006 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBSD01

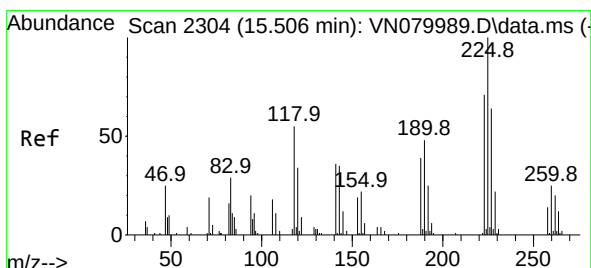
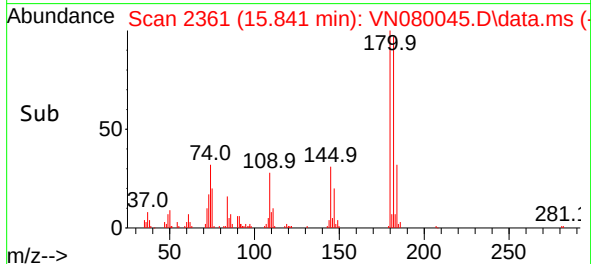
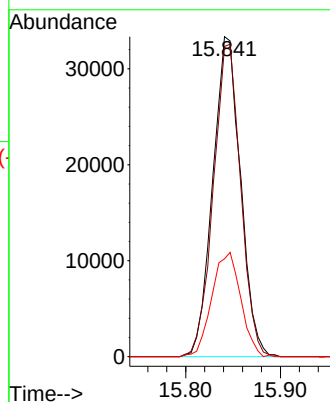
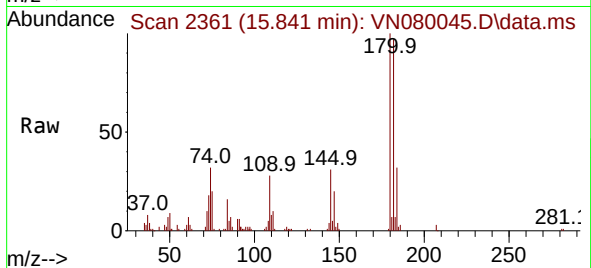
Tgt Ion:	180	Resp:	6783
Ion Ratio	Lower	Upper	
180	100		
182	95.9	74.2	111.4
145	33.9	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#90

Hexachlorobutadiene

Concen: 17.622 ug/l

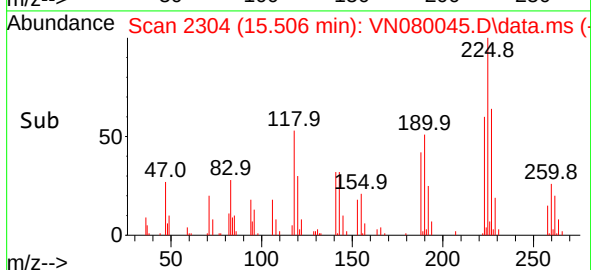
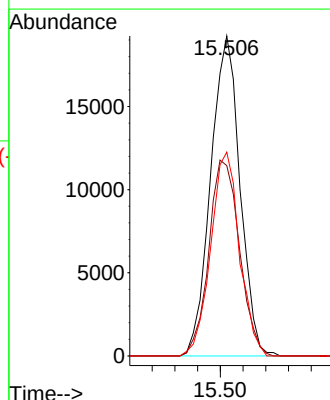
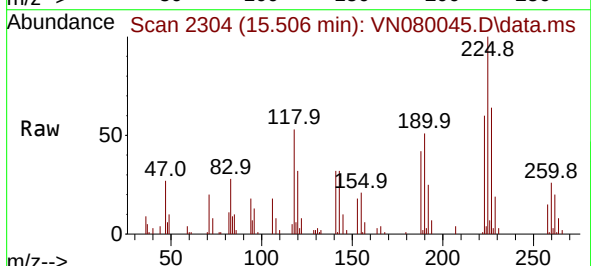
RT: 15.506 min Scan# 2304

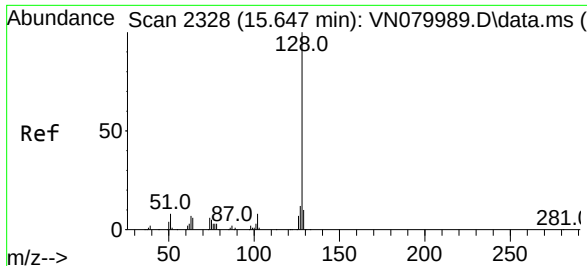
Delta R.T. 0.001 min

Lab File: VN080045.D

Acq: 10 Nov 2023 11:35

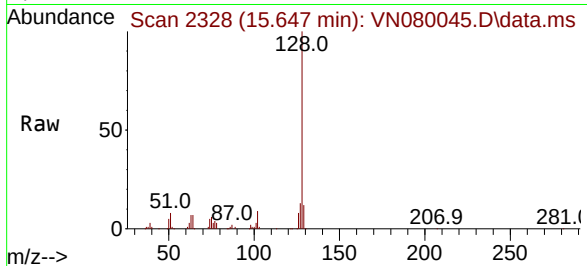
Tgt Ion:	225	Resp:	34473
Ion Ratio	Lower	Upper	
225	100		
223	64.0	0.0	126.0
227	62.3	0.0	127.0





#91
Naphthalene
Concen: 15.181 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

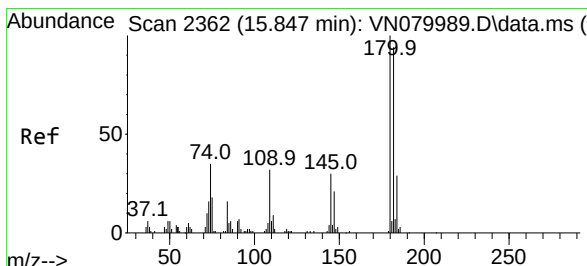
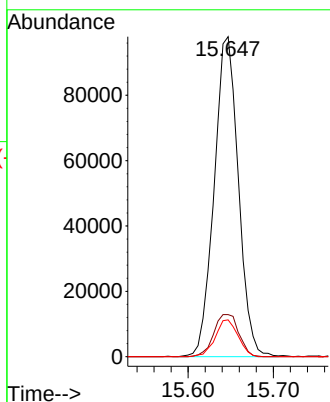
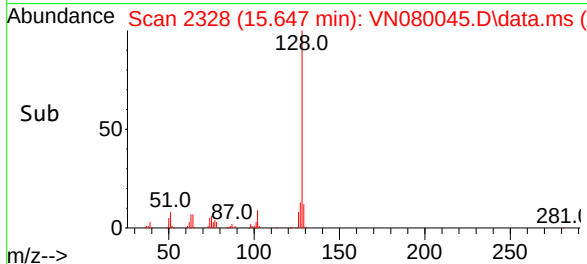
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBSD01



Tgt Ion:128 Resp: 19338
Ion Ratio Lower Upper
128 100
127 13.7 10.9 16.3
129 10.9 8.6 12.8

Manual Integrations
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Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#92
1,2,3-Trichlorobenzene
Concen: 17.090 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN080045.D
Acq: 10 Nov 2023 11:35

Tgt Ion:180 Resp: 67838
Ion Ratio Lower Upper
180 100
182 95.9 0.0 185.6
145 33.9 0.0 63.6

