

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078556.D
 Acq On : 18 Jul 2023 13:13
 Operator : JC\MD
 Sample : VN0718WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 01:47:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	485193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	833352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	717025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	285080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	325286	50.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.020%			
35) Dibromofluoromethane	8.171	113	285546	50.476	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.960%			
50) Toluene-d8	10.571	98	1039630	48.648	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.300%			
62) 4-Bromofluorobenzene	12.853	95	318612	48.402	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	110622	18.596	ug/l	98
3) Chloromethane	2.371	50	151836	23.483	ug/l	96
4) Vinyl Chloride	2.518	62	181134	21.656	ug/l	97
5) Bromomethane	2.953	94	112674	18.129	ug/l	99
6) Chloroethane	3.118	64	110890	20.795	ug/l	94
7) Trichlorofluoromethane	3.500	101	209409	20.944	ug/l	97
8) Diethyl Ether	3.971	74	68204	20.474	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	112980	21.346	ug/l	95
10) Methyl Iodide	4.600	142	148948	20.480	ug/l	100
11) Tert butyl alcohol	5.536	59	105331	105.014	ug/l #	83
12) 1,1-Dichloroethene	4.353	96	107259	20.950	ug/l	95
13) Acrolein	4.195	56	90590	91.799	ug/l	97
14) Allyl chloride	5.036	41	136354	19.491	ug/l	93
15) Acrylonitrile	5.730	53	266914	105.323	ug/l	99
16) Acetone	4.442	43	243262	120.060	ug/l	97
17) Carbon Disulfide	4.724	76	258059	17.431	ug/l	98
18) Methyl Acetate	5.036	43	182758	21.308	ug/l	89
19) Methyl tert-butyl Ether	5.812	73	355607	21.081	ug/l	95
20) Methylene Chloride	5.289	84	130992	21.850	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	116771	20.240	ug/l	90
22) Diisopropyl ether	6.683	45	350166	22.354	ug/l #	94
23) Vinyl Acetate	6.618	43	1043813	104.817	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	226920	21.498	ug/l	96
25) 2-Butanone	7.494	43	354926	111.281	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	192022	22.243	ug/l	95
27) cis-1,2-Dichloroethene	7.500	96	139243	20.863	ug/l	92
28) Bromochloromethane	7.824	49	100971	20.310	ug/l	94
29) Tetrahydrofuran	7.847	42	217665	104.006	ug/l #	85
30) Chloroform	7.977	83	242138	22.034	ug/l	99
31) Cyclohexane	8.265	56	174220	19.819	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	213926	21.713	ug/l	100
36) 1,1-Dichloropropene	8.377	75	168850	20.671	ug/l	97
37) Ethyl Acetate	7.571	43	138330	20.315	ug/l #	95
38) Carbon Tetrachloride	8.371	117	192335	21.665	ug/l	93
39) Methylcyclohexane	9.612	83	155775	20.893	ug/l	97
40) Benzene	8.612	78	522339	21.585	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	78925	22.737	ug/l	91
42) 1,2-Dichloroethane	8.682	62	176391	21.430	ug/l	99
43) Isopropyl Acetate	8.694	43	255047	22.751	ug/l	95
44) Trichloroethene	9.359	130	137619	21.100	ug/l	98
45) 1,2-Dichloropropane	9.629	63	136425	22.259	ug/l	97
46) Dibromomethane	9.718	93	96834	22.448	ug/l	94
47) Bromodichloromethane	9.894	83	186625	21.582	ug/l	92
48) Methyl methacrylate	9.688	41	109602	21.103	ug/l	91
49) 1,4-Dioxane	9.700	88	47215	416.854	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	736270	110.416	ug/l	93
52) Toluene	10.635	92	329625	21.978	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	215321	24.306	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	212582	22.512	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	152529	25.812	ug/l	95
56) Ethyl methacrylate	10.882	69	199186	24.114	ug/l #	91
57) 1,3-Dichloropropane	11.171	76	291394	29.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	274995	93.416	ug/l	91
59) 2-Hexanone	11.200	43	700604	147.834	ug/l	89
60) Dibromochloromethane	11.365	129	179375	27.496	ug/l	98
61) 1,2-Dibromoethane	11.476	107	154255	25.341	ug/l	99
64) Tetrachloroethene	11.112	164	141903	26.323	ug/l	94
65) Chlorobenzene	11.900	112	349752	21.822	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	140618	22.807	ug/l	99
67) Ethyl Benzene	11.971	91	596265	22.010	ug/l	99
68) m/p-Xylenes	12.076	106	452872	45.213	ug/l	97
69) o-Xylene	12.406	106	224403	22.180	ug/l	98
70) Styrene	12.418	104	365331	23.081	ug/l	97
71) Bromoform	12.582	173	98044	23.480	ug/l #	99
73) Isopropylbenzene	12.700	105	558489	20.849	ug/l	99
74) N-amyl acetate	12.500	43	189309	20.507	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	181413	22.547	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	150651m	21.863	ug/l	
77) Bromobenzene	12.988	156	135033	22.325	ug/l	95
78) n-propylbenzene	13.041	91	619570	21.627	ug/l	100
79) 2-Chlorotoluene	13.129	91	389350	20.749	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	454764	21.486	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	50116	19.112	ug/l	90
82) 4-Chlorotoluene	13.229	91	358564	20.484	ug/l	98
83) tert-Butylbenzene	13.447	119	387076	21.541	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	443044	21.550	ug/l	97
85) sec-Butylbenzene	13.617	105	485564	21.378	ug/l	99
86) p-Isopropyltoluene	13.735	119	403437	22.121	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	219940	21.388	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	210155	20.289	ug/l	100
89) n-Butylbenzene	14.059	91	283683	21.739	ug/l	98
90) Hexachloroethane	14.341	117	78655	23.024	ug/l	81
91) 1,2-Dichlorobenzene	14.112	146	217094	21.213	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27267	20.115	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	54932	16.818	ug/l	95
94) Hexachlorobutadiene	15.506	225	39052	20.686	ug/l	95
95) Naphthalene	15.647	128	166279	14.892	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	64988	17.304	ug/l	95

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

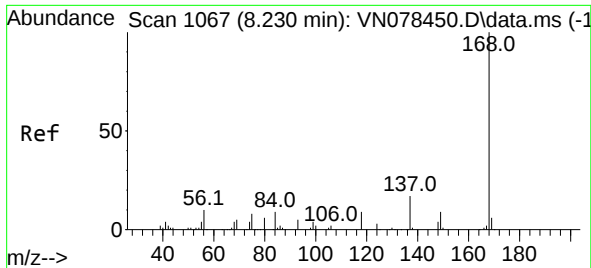
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 01:47:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

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



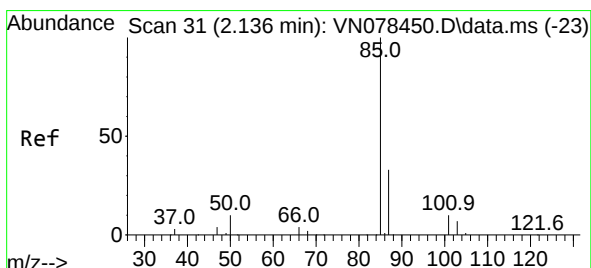
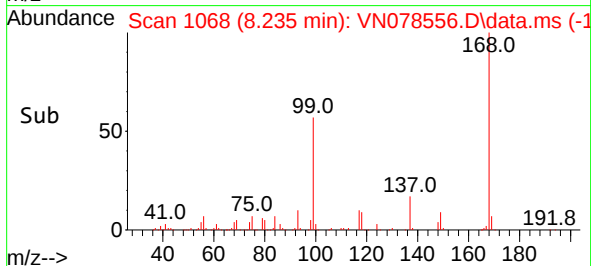
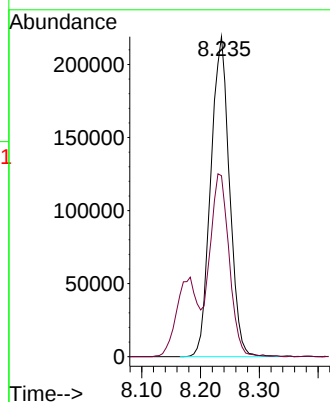
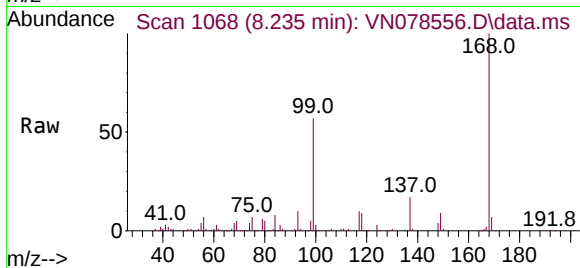
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tgt Ion:168 Resp: 48519
Ion Ratio Lower Upper
168 100
99 56.4 53.0 79.6

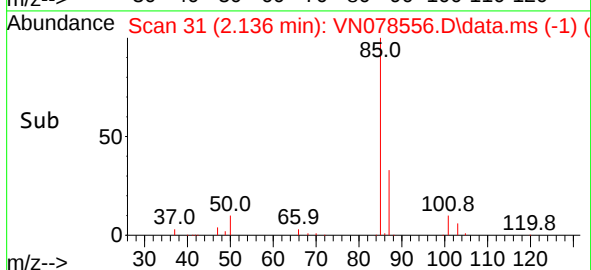
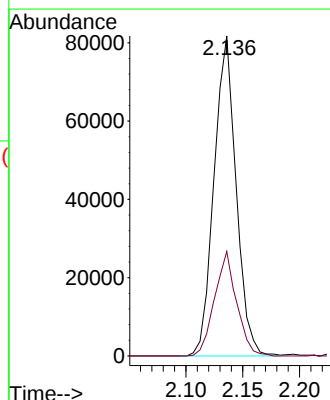
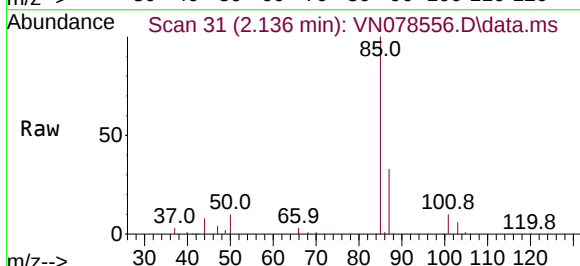
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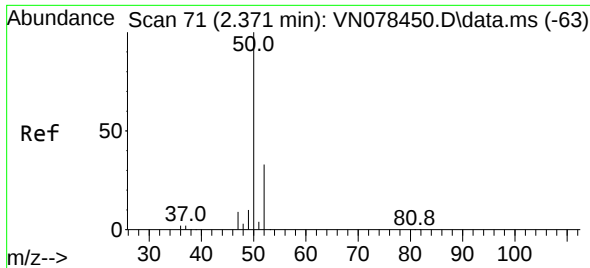
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#2
Dichlorodifluoromethane
Concen: 18.596 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

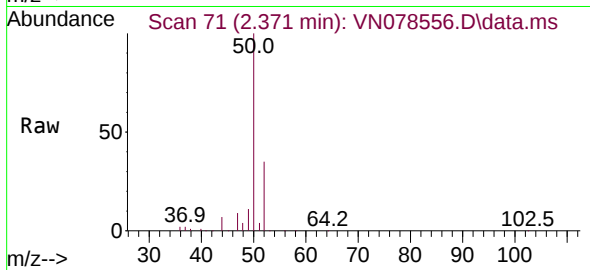
Tgt Ion: 85 Resp: 110622
Ion Ratio Lower Upper
85 100
87 32.6 15.8 47.4





#3
Chloromethane
Concen: 23.483 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

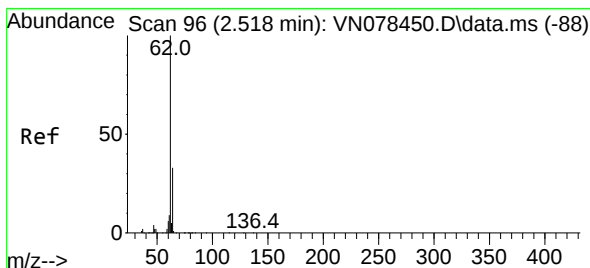
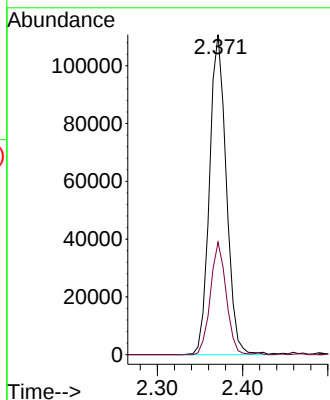
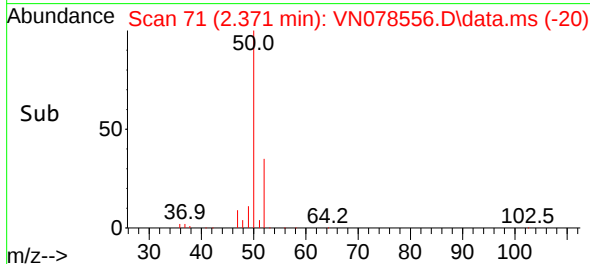
Instrument :
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Tgt Ion: 50 Resp: 151836
Ion Ratio Lower Upper
50 100
52 35.2 26.5 39.7

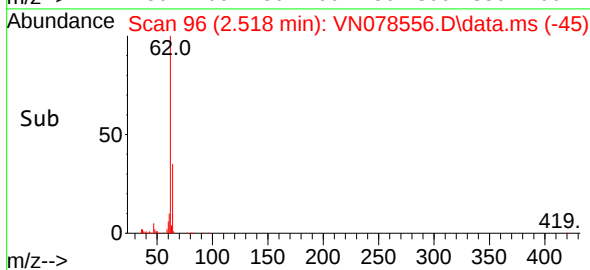
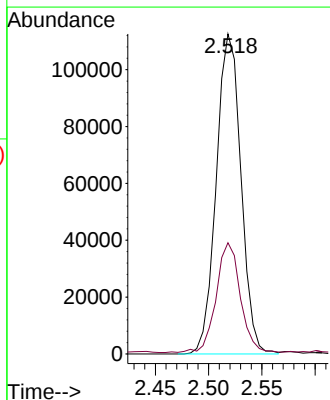
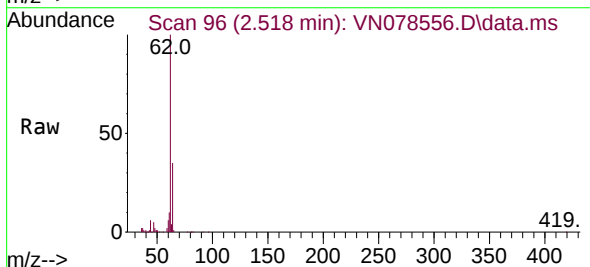
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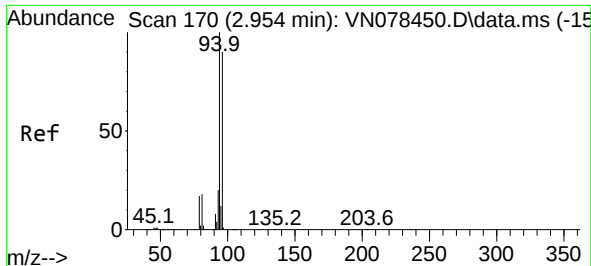
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#4
Vinyl Chloride
Concen: 21.656 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

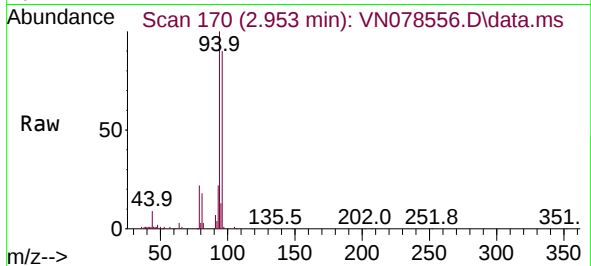
Tgt Ion: 62 Resp: 181134
Ion Ratio Lower Upper
62 100
64 34.2 26.2 39.2





#5
Bromomethane
Concen: 18.129 ug/l
RT: 2.953 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

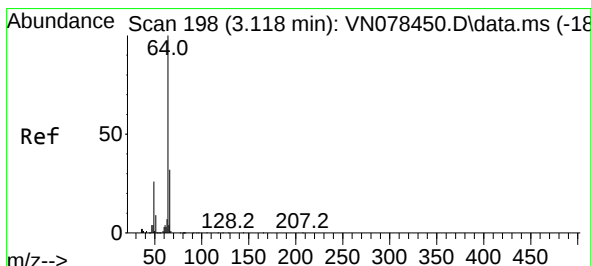
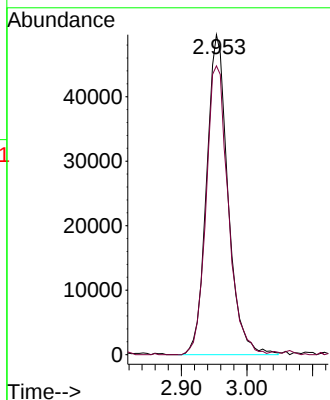
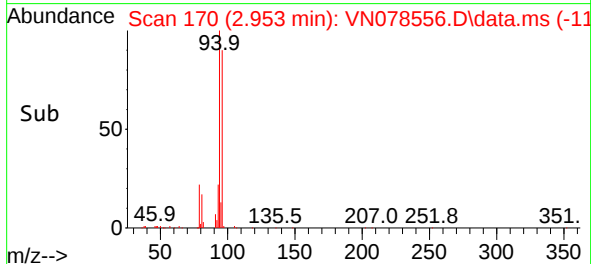
Instrument :
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Tgt Ion: 94 Resp: 112674
Ion Ratio Lower Upper
94 100
96 90.2 73.1 109.7

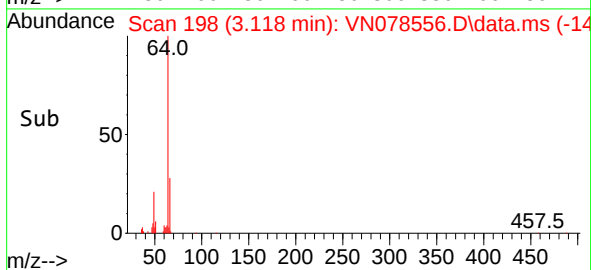
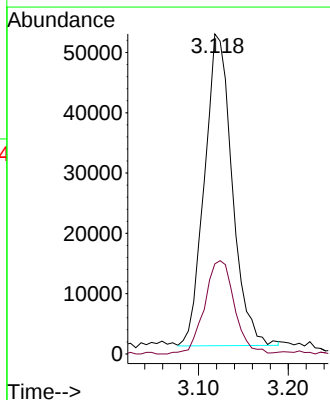
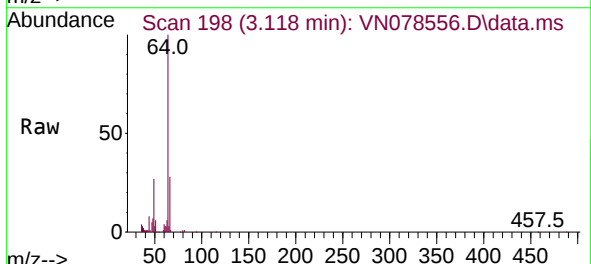
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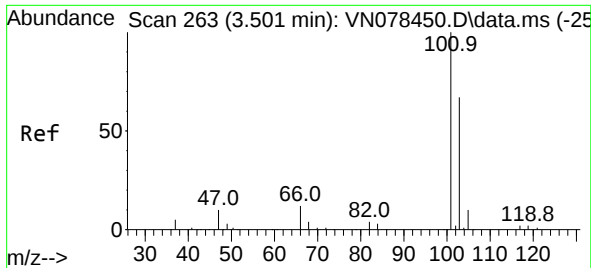
Reviewed By :John Carlone 07/19/2023
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#6
Chloroethane
Concen: 20.795 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078556.D
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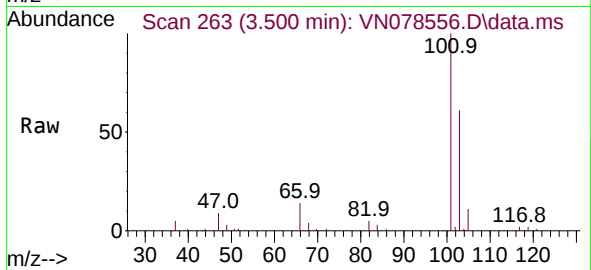
Tgt Ion: 64 Resp: 110890
Ion Ratio Lower Upper
64 100
66 28.4 25.4 38.2





#7
Trichlorofluoromethane
Concen: 20.944 ug/l
RT: 3.500 min Scan# 209409
Delta R.T. -0.001 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

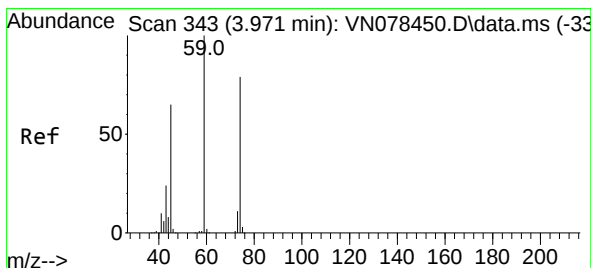
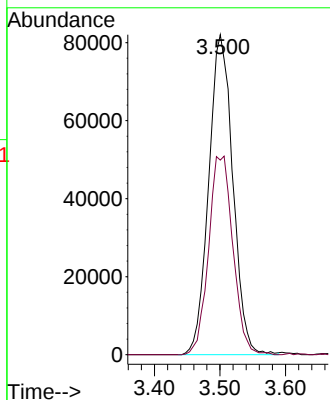
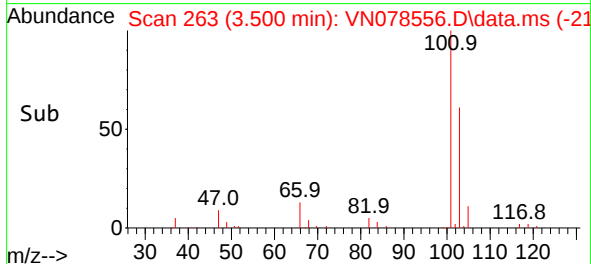
Instrument :
MSVOA_N
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VN0718WBSD02



Tgt Ion:101 Resp: 209409
Ion Ratio Lower Upper
101 100
103 60.8 50.7 76.1

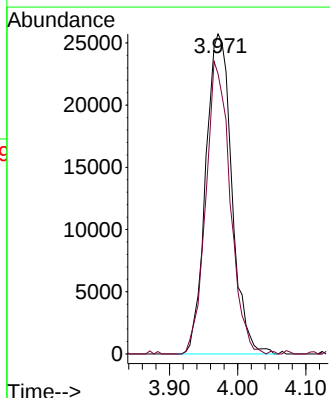
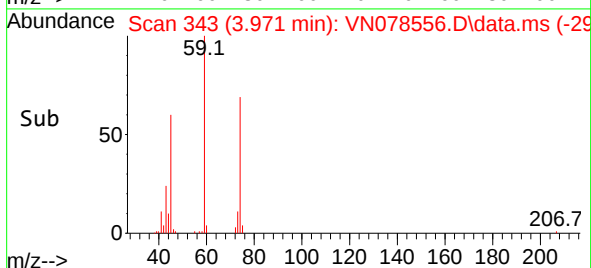
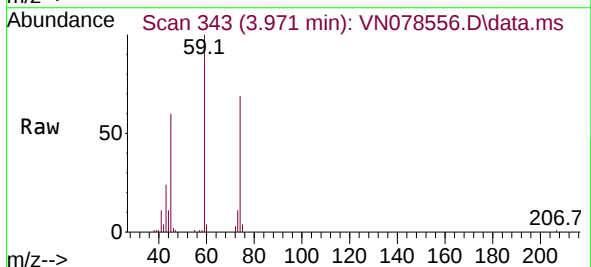
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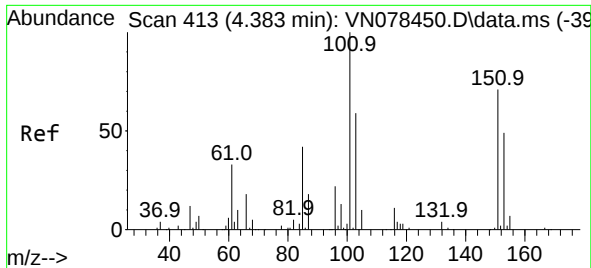
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#8
Diethyl Ether
Concen: 20.474 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.000 min
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Acq: 18 Jul 2023 13:13

Tgt Ion: 74 Resp: 68204
Ion Ratio Lower Upper
74 100
45 85.7 34.4 103.3





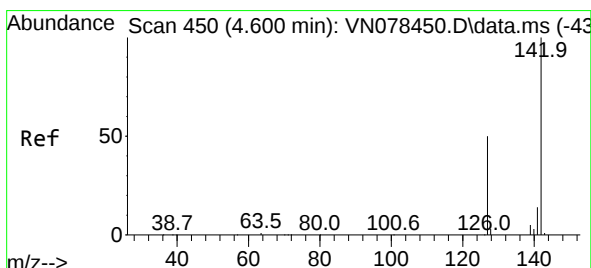
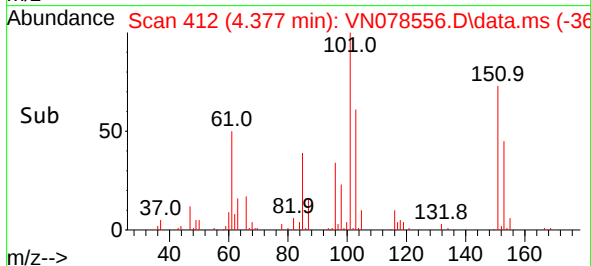
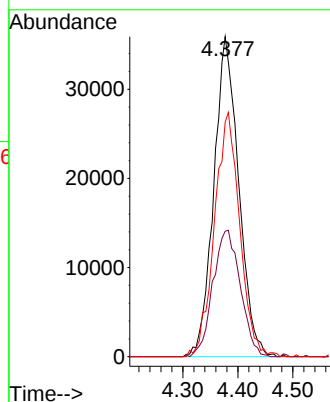
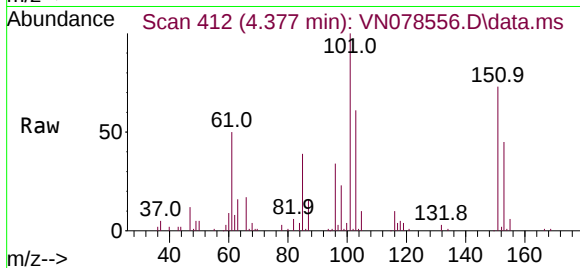
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.346 ug/l
RT: 4.377 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tgt Ion:101 Resp: 112980
Ion Ratio Lower Upper
101 100
85 43.4 36.6 55.0
151 77.4 57.6 86.4

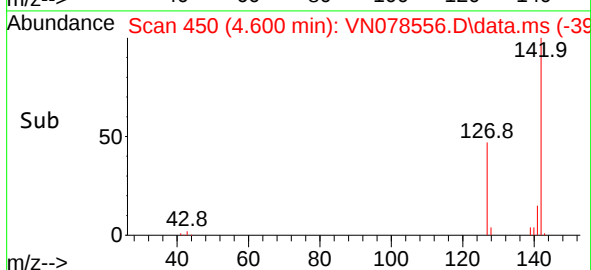
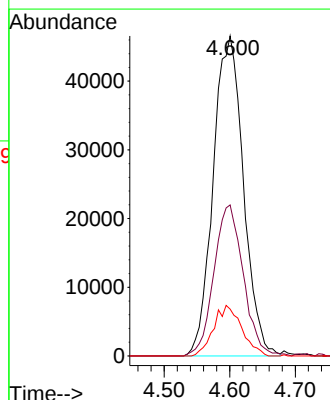
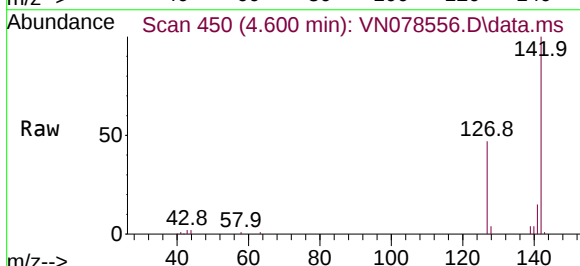
Manual Integrations
APPROVED

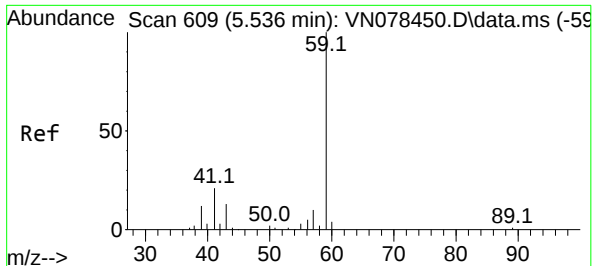
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#10
Methyl Iodide
Concen: 20.480 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

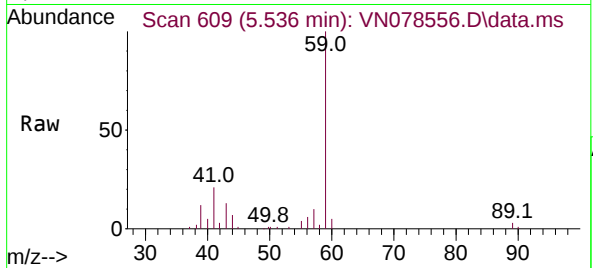
Tgt Ion:142 Resp: 148948
Ion Ratio Lower Upper
142 100
127 47.2 37.6 56.4
141 14.6 11.4 17.0





#11
Tert butyl alcohol
Concen: 105.014 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

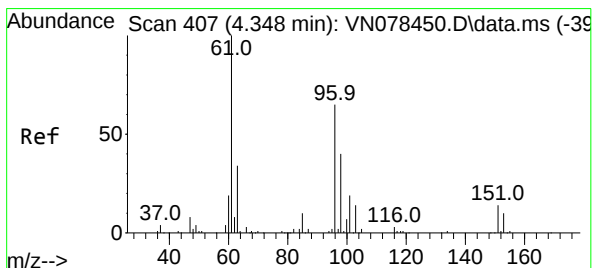
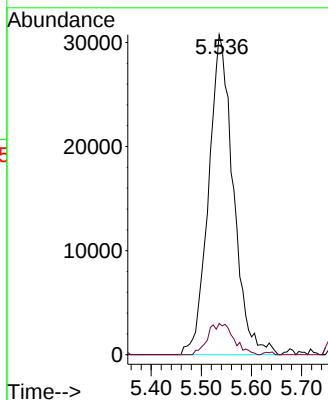
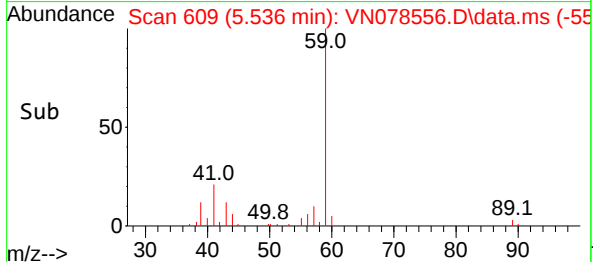
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



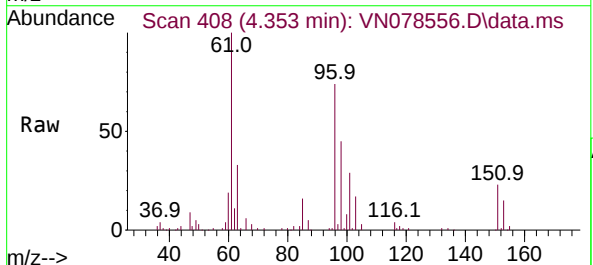
Tgt Ion: 59 Resp: 10533
Ion Ratio Lower Upper
59 100
57 4.0 8.2 12.4

Manual Integrations
APPROVED

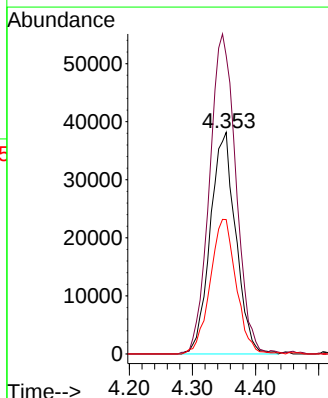
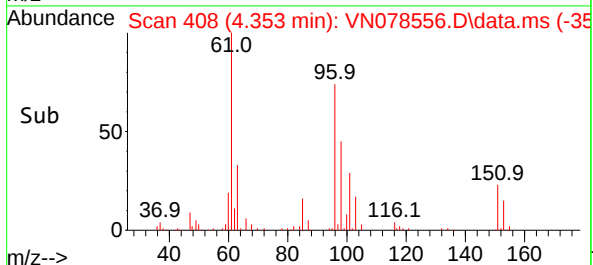
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

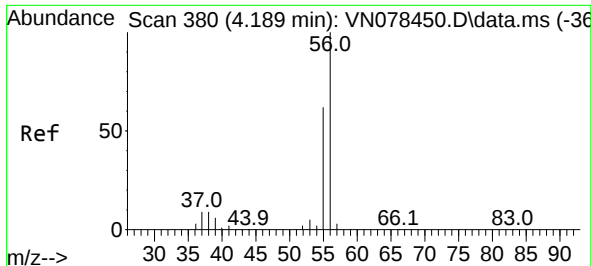


#12
1,1-Dichloroethene
Concen: 20.950 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.005 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



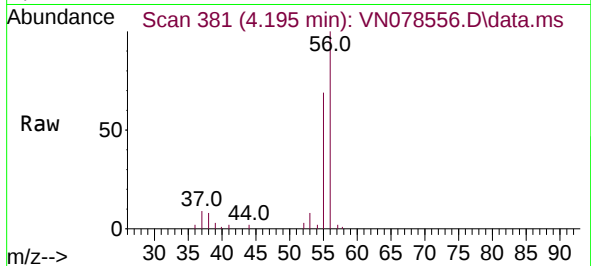
Tgt Ion: 96 Resp: 107259
Ion Ratio Lower Upper
96 100
61 134.6 112.7 169.1
98 60.6 51.2 76.8





#13
Acrolein
Concen: 91.799 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

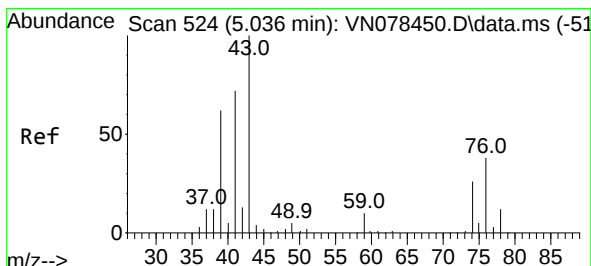
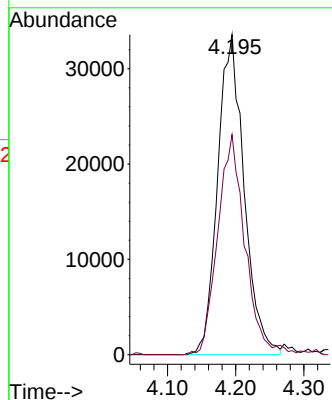
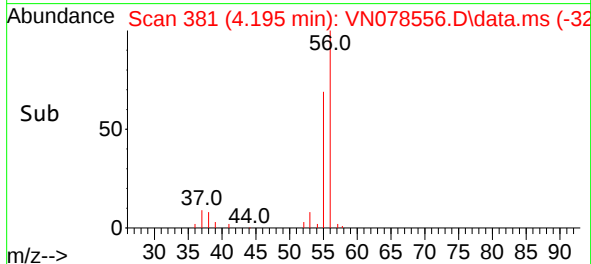
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



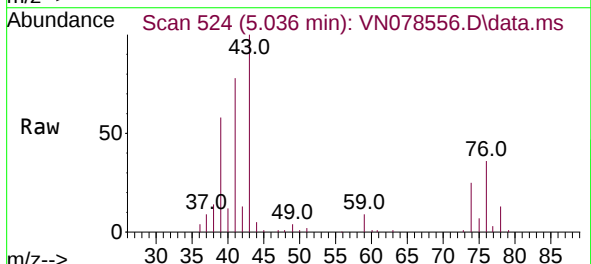
Tgt Ion: 56 Resp: 90590
Ion Ratio Lower Upper
56 100
55 70.8 54.5 81.7

Manual Integrations
APPROVED

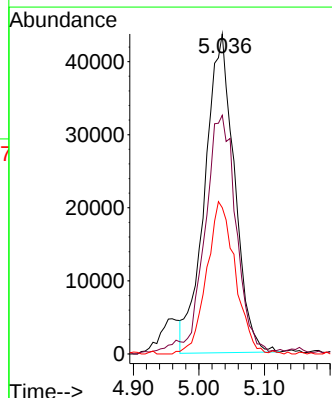
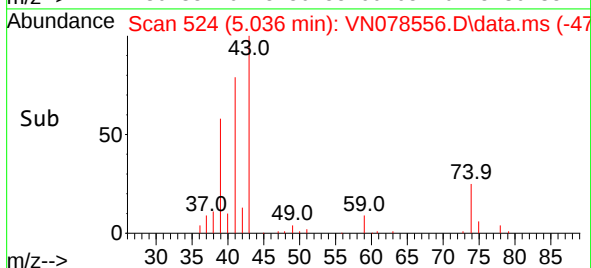
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

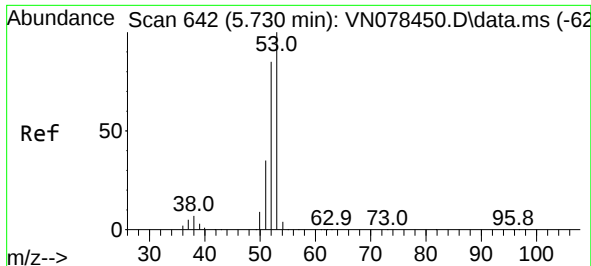


#14
Allyl chloride
Concen: 19.491 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



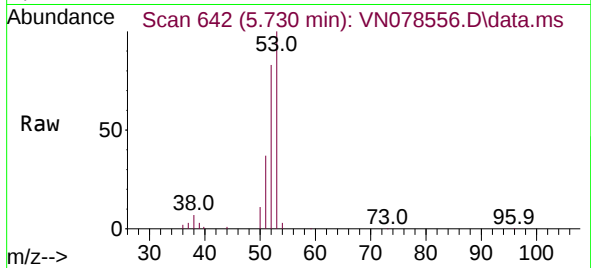
Tgt Ion: 41 Resp: 136354
Ion Ratio Lower Upper
41 100
39 80.7 58.8 88.2
76 46.3 39.1 58.7





#15
Acrylonitrile
Concen: 105.323 ug/l
RT: 5.730 min Scan# 642
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

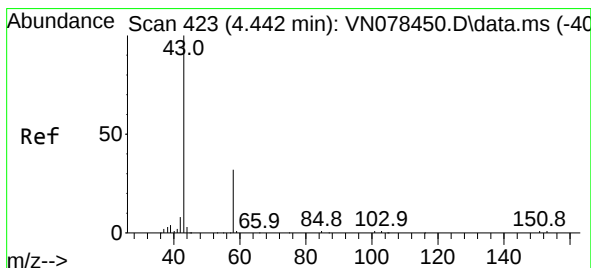
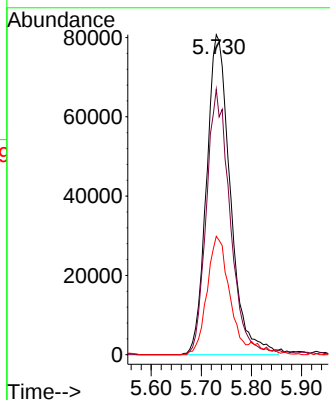
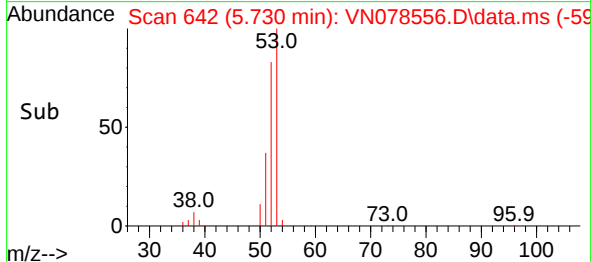
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 53 Resp: 266914
Ion Ratio Lower Upper
53 100
52 82.2 65.3 97.9
51 34.6 28.9 43.3

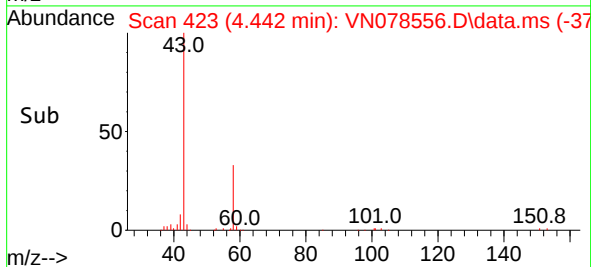
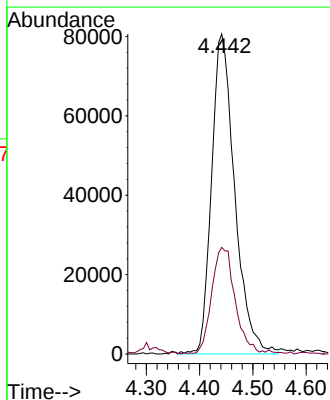
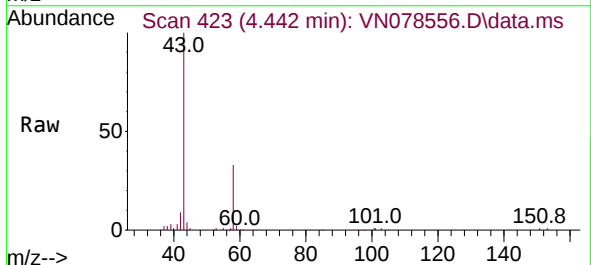
Manual Integrations
APPROVED

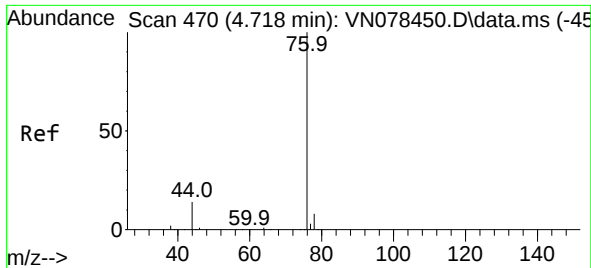
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#16
Acetone
Concen: 120.060 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Tgt Ion: 43 Resp: 243262
Ion Ratio Lower Upper
43 100
58 33.2 28.0 42.0





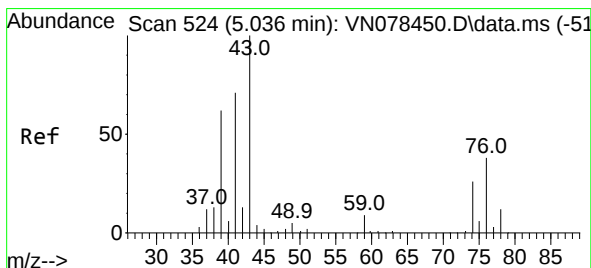
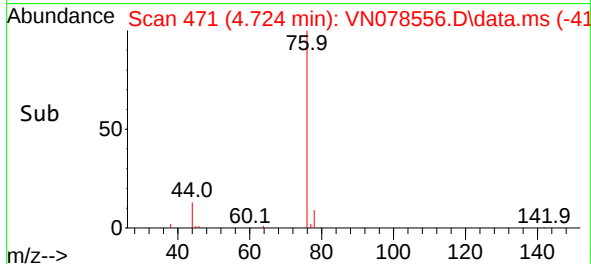
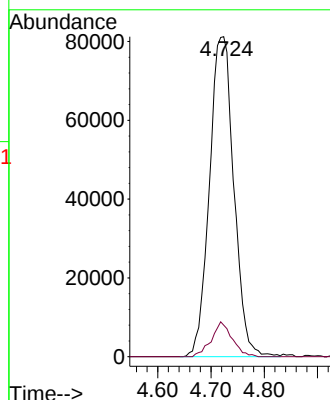
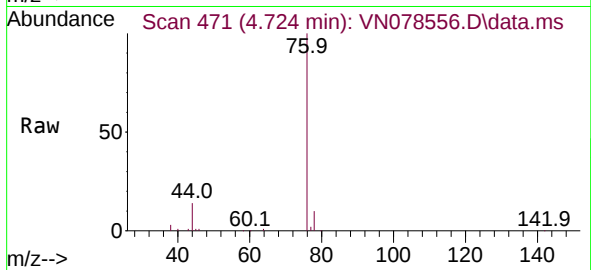
#17
Carbon Disulfide
Concen: 17.431 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tgt Ion: 76 Resp: 258059
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0

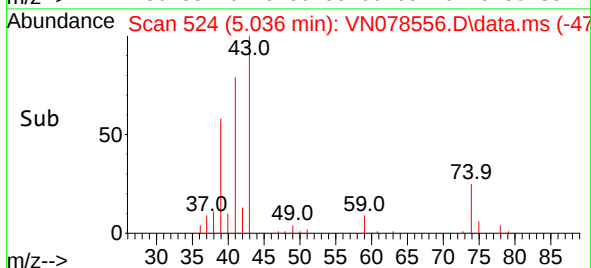
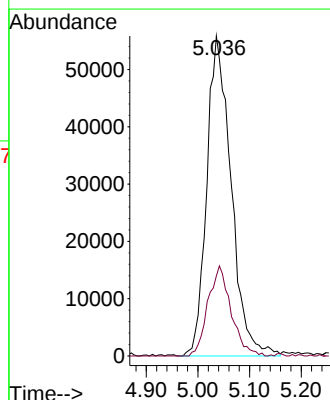
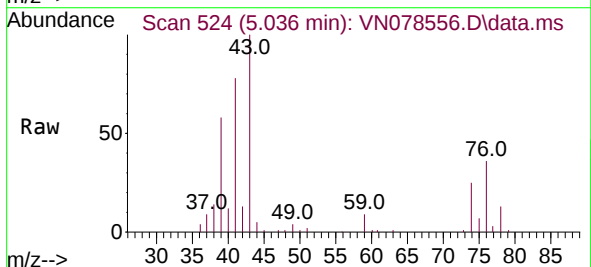
Manual Integrations
APPROVED

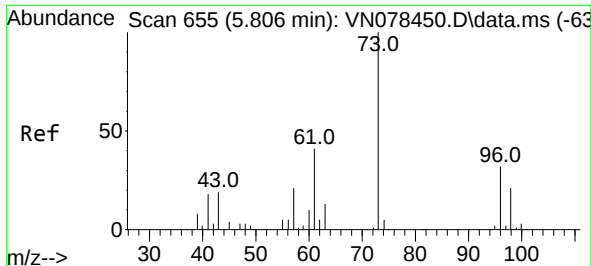
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#18
Methyl Acetate
Concen: 21.308 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

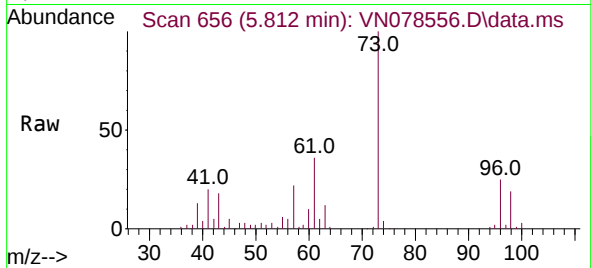
Tgt Ion: 43 Resp: 182758
Ion Ratio Lower Upper
43 100
74 26.7 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 21.081 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

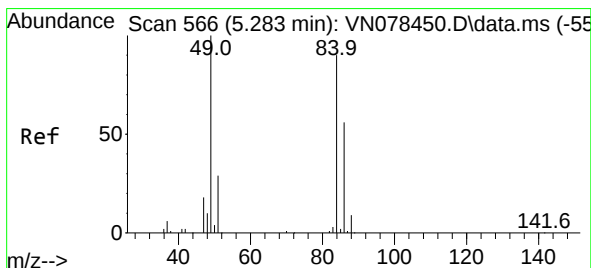
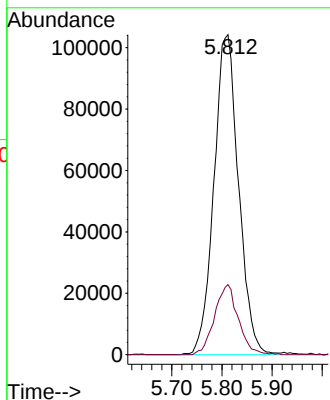
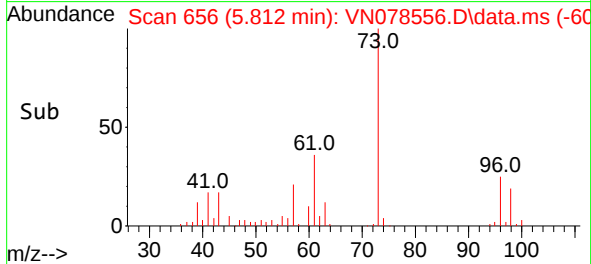
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 73 Resp: 35560
Ion Ratio Lower Upper
73 100
57 21.9 15.6 23.4

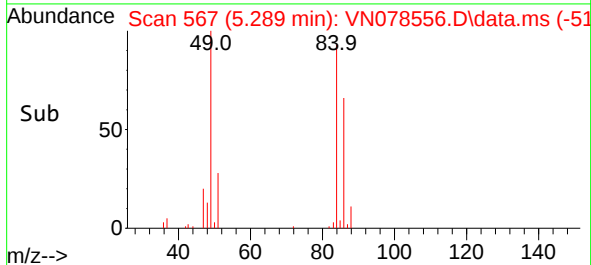
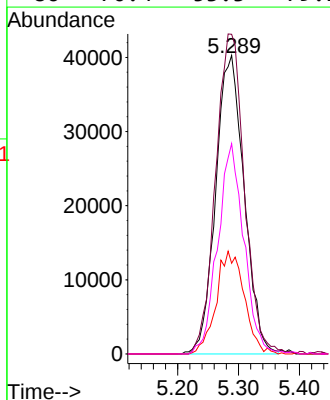
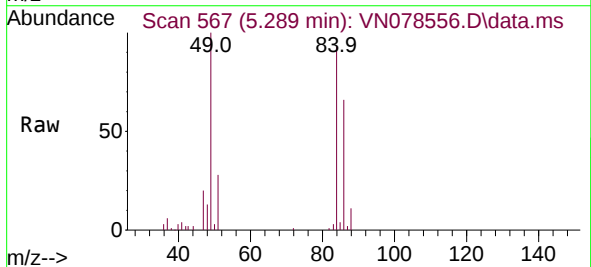
Manual Integrations
APPROVED

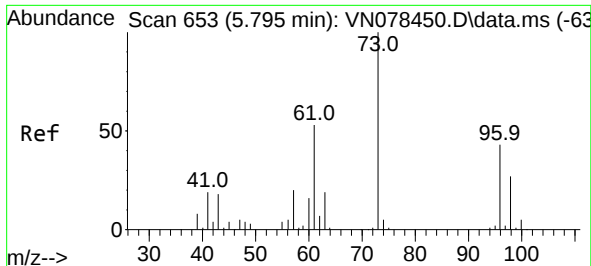
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#20
Methylene Chloride
Concen: 21.850 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

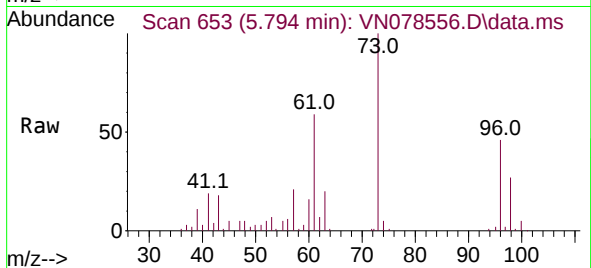
Tgt Ion: 84 Resp: 130992
Ion Ratio Lower Upper
84 100
49 107.1 79.7 119.5
51 30.4 25.2 37.8
86 70.4 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 20.240 ug/l
RT: 5.794 min Scan# 61
Delta R.T. -0.001 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

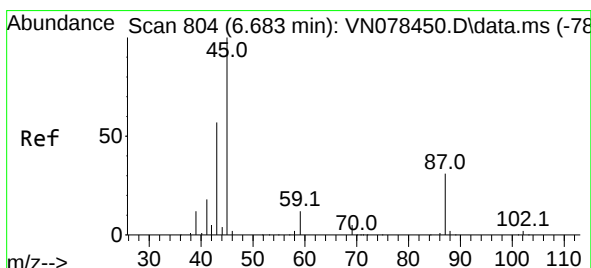
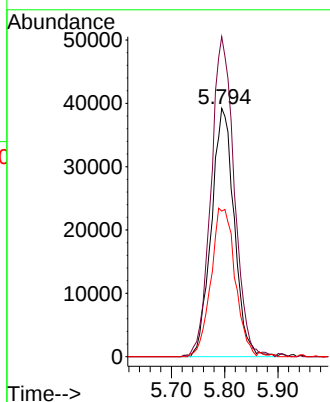
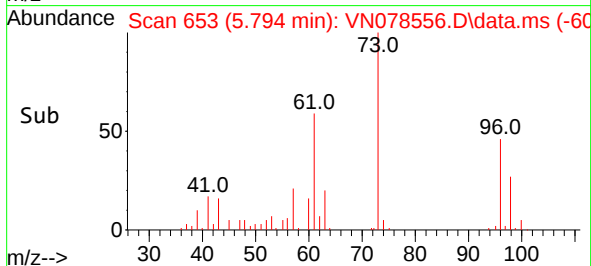
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



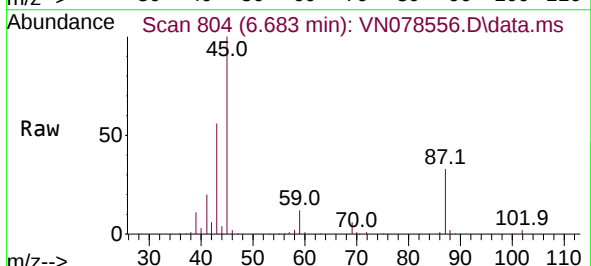
Tgt Ion: 96 Resp: 11677
Ion Ratio Lower Upper
96 100
61 128.9 90.1 135.1
98 58.6 46.4 69.6

Manual Integrations
APPROVED

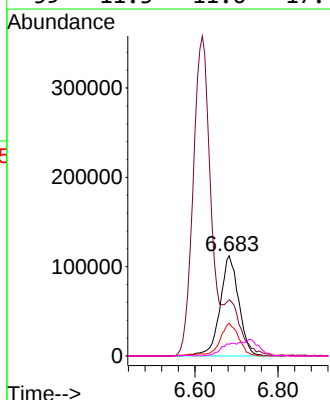
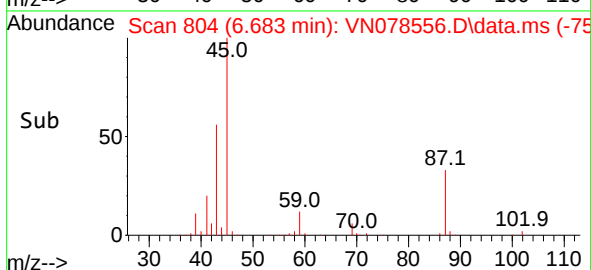
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

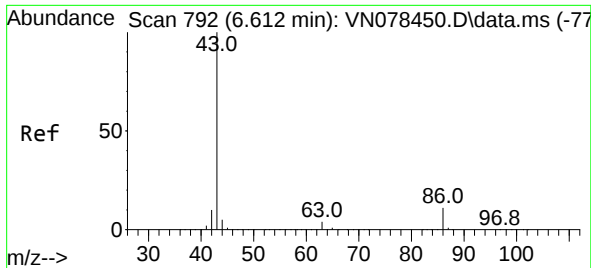


#22
Diisopropyl ether
Concen: 22.354 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



Tgt Ion: 45 Resp: 350166
Ion Ratio Lower Upper
45 100
43 55.4 45.5 68.3
87 32.3 31.8 47.8
59 11.3 11.6 17.4#





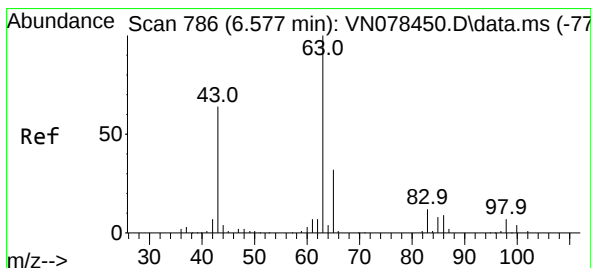
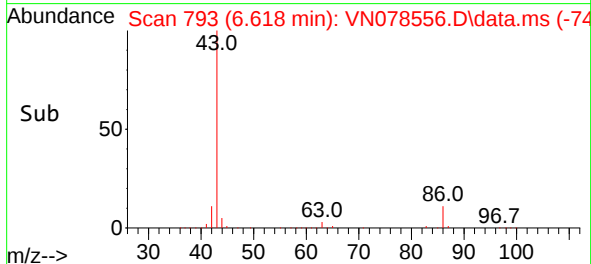
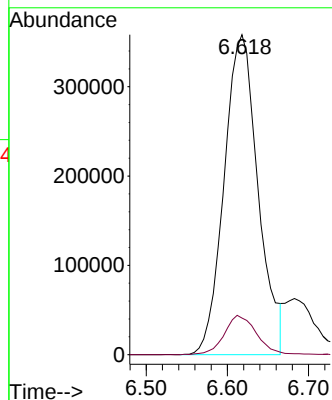
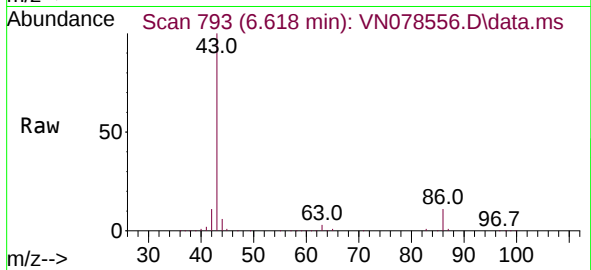
#23
 Vinyl Acetate
 Concen: 104.817 ug/l
 RT: 6.618 min Scan# 792
 Delta R.T. 0.006 min
 Lab File: VN078556.D
 Acq: 18 Jul 2023 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tgt Ion: 43 Resp: 104381
 Ion Ratio Lower Upper
 43 100
 86 11.5 13.0 19.6

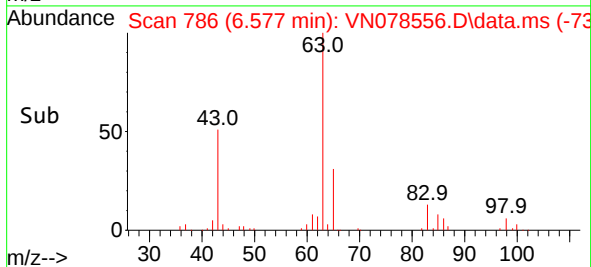
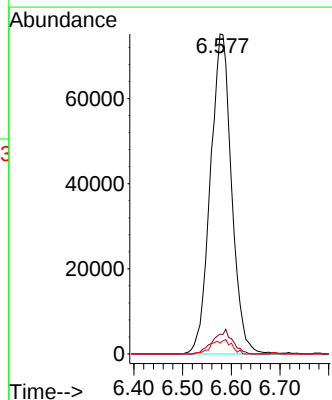
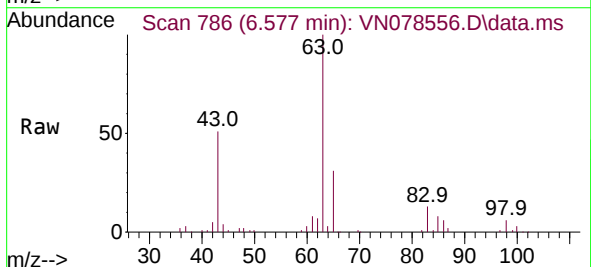
Manual Integrations
 APPROVED

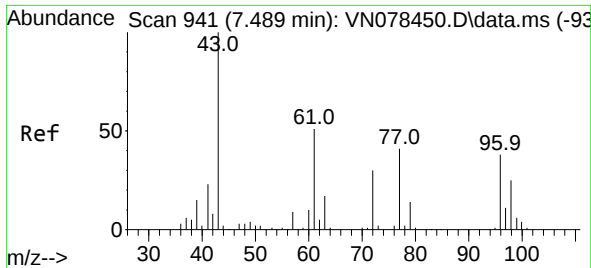
Reviewed By :John Carlone 07/19/2023
 Supervised By :Mahesh Dadoda 07/19/2023



#24
 1,1-Dichloroethane
 Concen: 21.498 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. -0.000 min
 Lab File: VN078556.D
 Acq: 18 Jul 2023 13:13

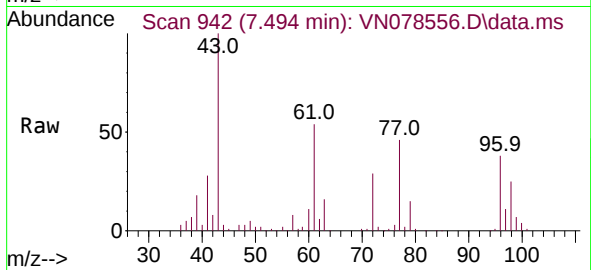
Tgt Ion: 63 Resp: 226920
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.9 11.7
 100 3.4 2.5 7.4





#25
2-Butanone
Concen: 111.281 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.005 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

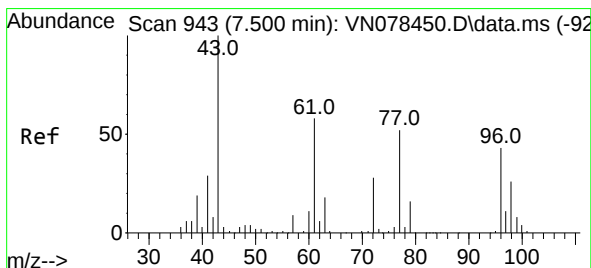
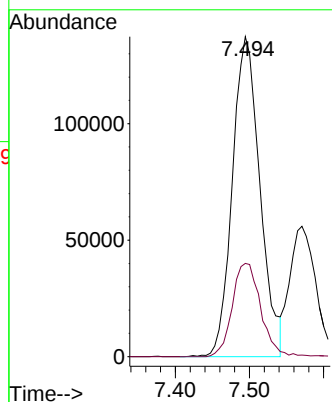
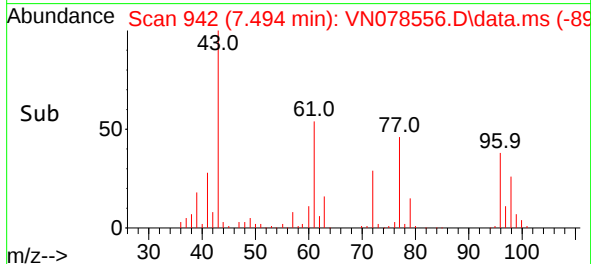
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 43 Resp: 354920
Ion Ratio Lower Upper
43 100
72 29.1 30.2 45.2

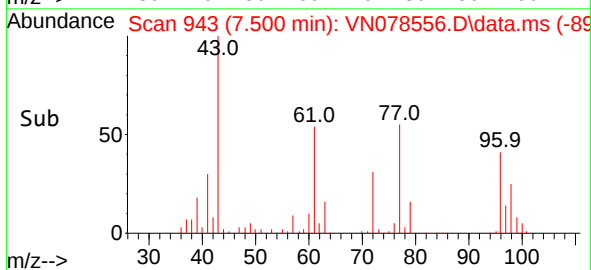
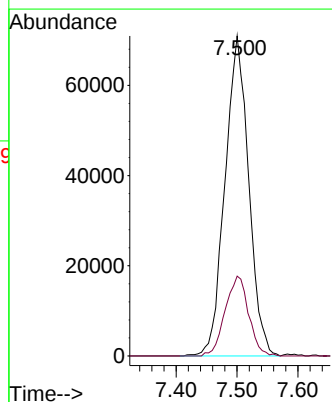
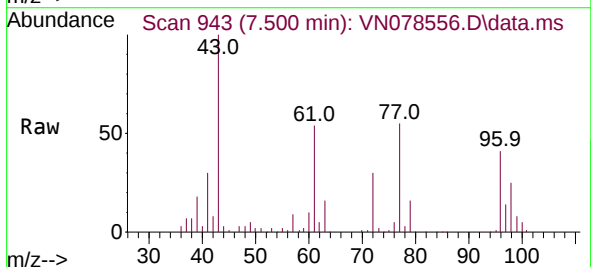
Manual Integrations
APPROVED

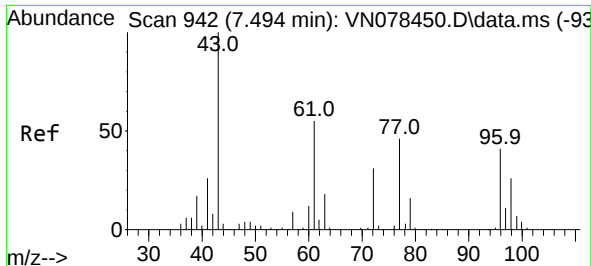
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#26
2,2-Dichloropropane
Concen: 22.243 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

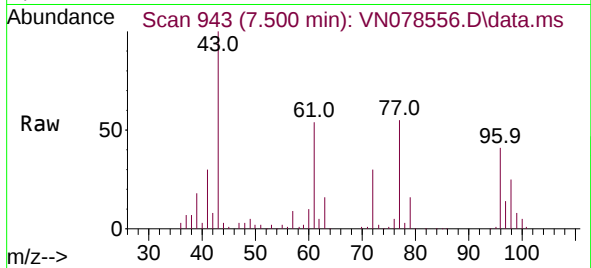
Tgt Ion: 77 Resp: 192022
Ion Ratio Lower Upper
77 100
97 24.6 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 20.863 ug/l
 RT: 7.500 min Scan# 942
 Delta R.T. 0.006 min
 Lab File: VN078556.D
 Acq: 18 Jul 2023 13:13

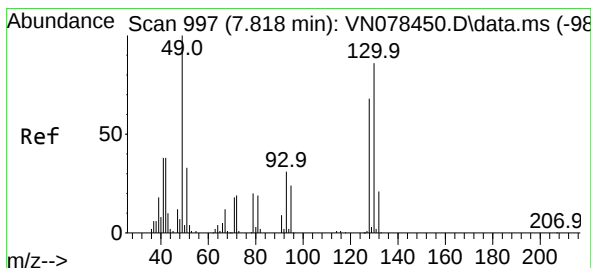
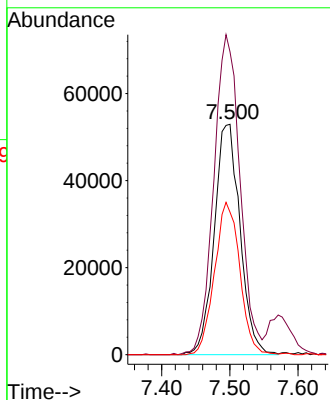
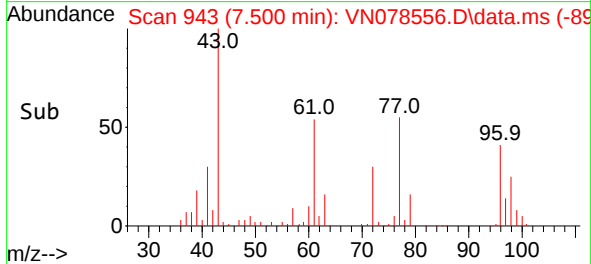
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02



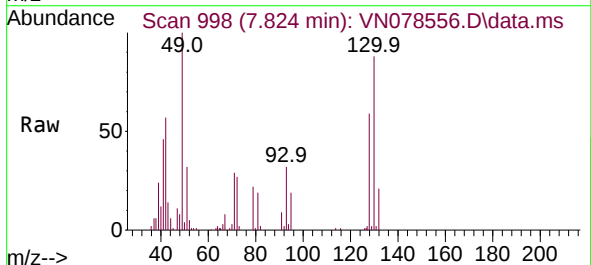
Tgt Ion: 96 Resp: 13924
 Ion Ratio Lower Upper
 96 100
 61 141.9 0.0 255.2
 98 64.9 0.0 128.8

Manual Integrations
 APPROVED

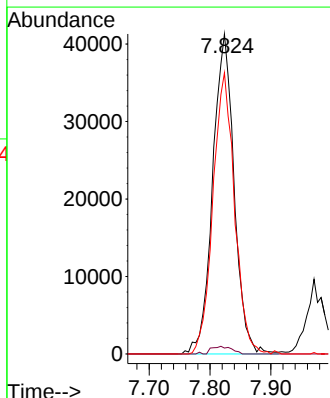
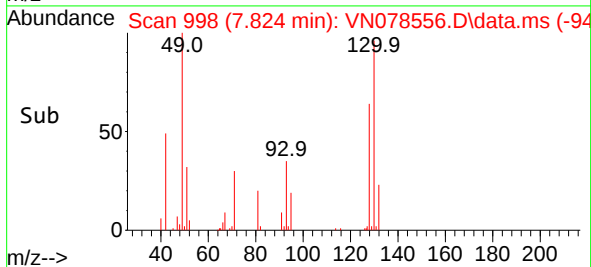
Reviewed By :John Carlone 07/19/2023
 Supervised By :Mahesh Dadoda 07/19/2023

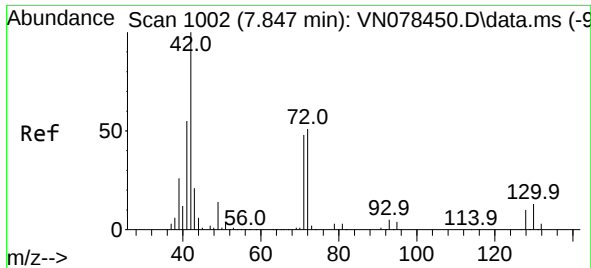


#28
 Bromochloromethane
 Concen: 20.310 ug/l
 RT: 7.824 min Scan# 998
 Delta R.T. 0.006 min
 Lab File: VN078556.D
 Acq: 18 Jul 2023 13:13



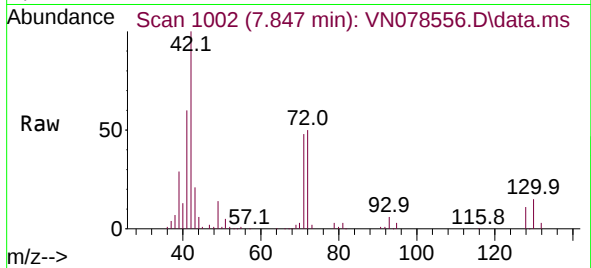
Tgt Ion: 49 Resp: 100971
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 88.5 75.3 112.9





#29
Tetrahydrofuran
Concen: 104.006 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

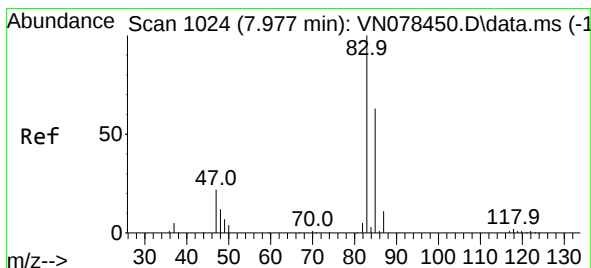
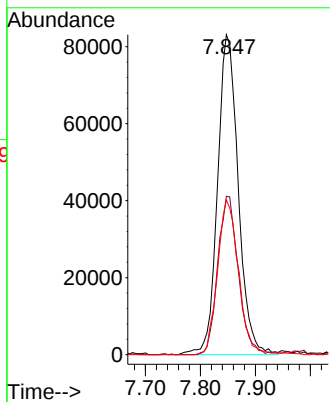
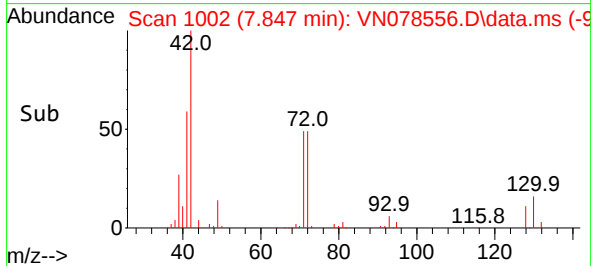
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 42 Resp: 21766
Ion Ratio Lower Upper
42 100
72 49.3 49.8 74.6
71 48.7 47.4 71.2

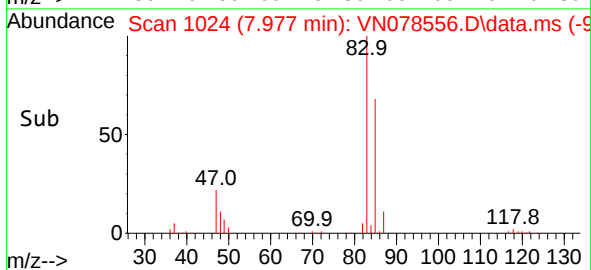
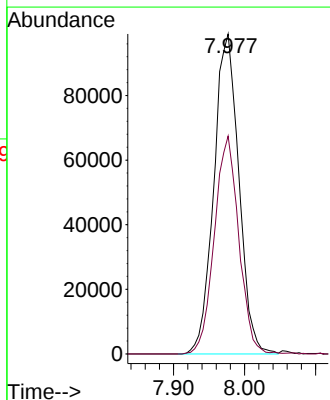
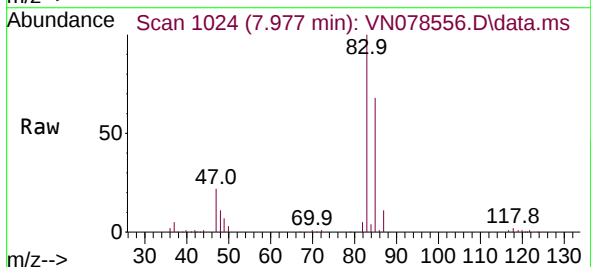
Manual Integrations
APPROVED

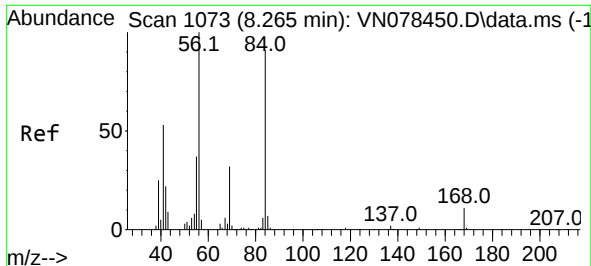
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#30
Chloroform
Concen: 22.034 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

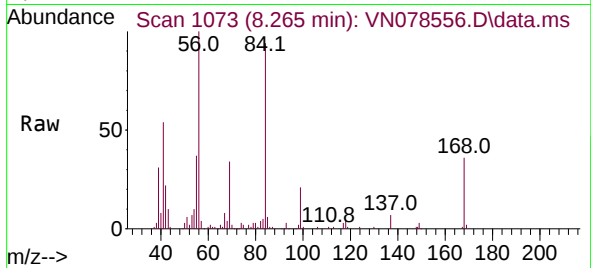
Tgt Ion: 83 Resp: 242138
Ion Ratio Lower Upper
83 100
85 68.1 55.4 83.0





#31
Cyclohexane
Concen: 19.819 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

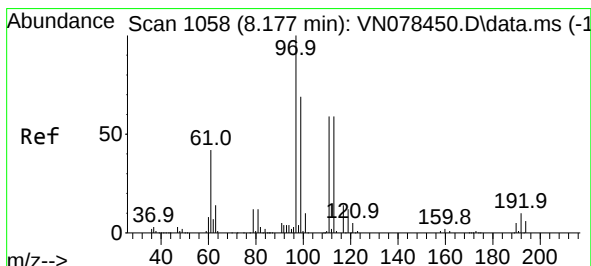
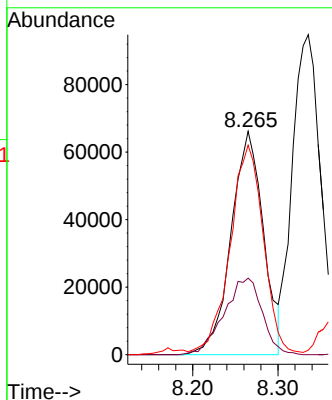
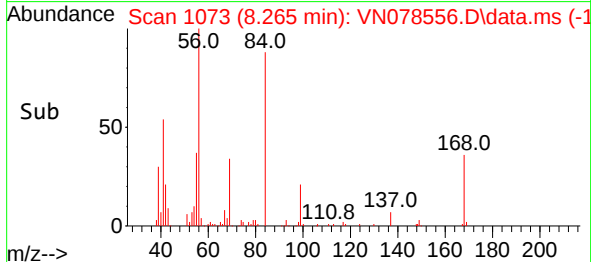
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 56 Resp: 174220
Ion Ratio Lower Upper
56 100
69 34.3 26.8 40.2
84 91.8 81.8 122.6

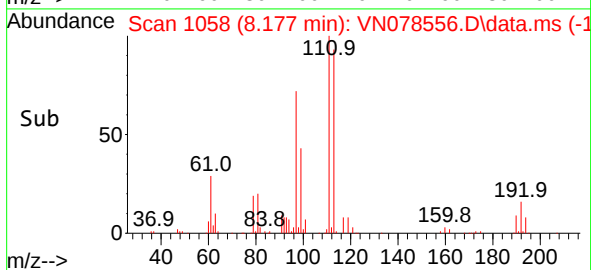
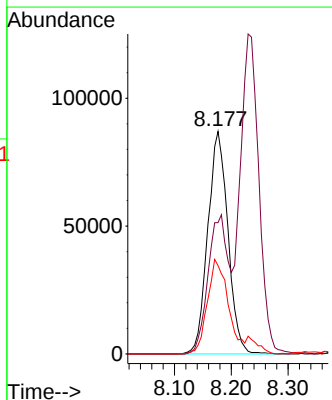
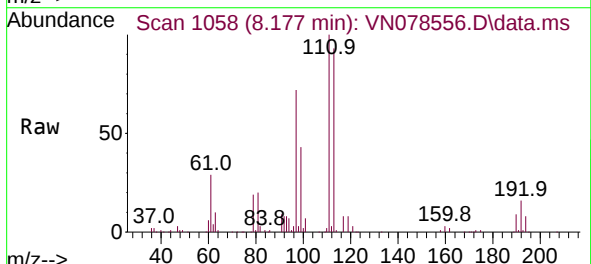
Manual Integrations
APPROVED

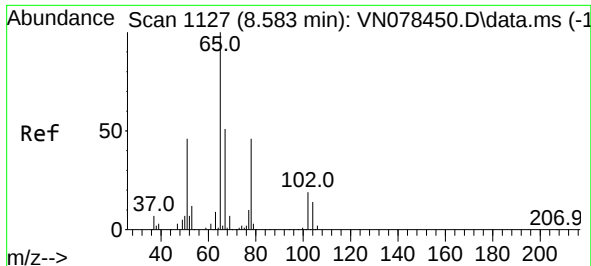
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#32
1,1,1-Trichloroethane
Concen: 21.713 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Tgt Ion: 97 Resp: 213926
Ion Ratio Lower Upper
97 100
99 62.9 50.3 75.5
61 44.0 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 50.009 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tgt Ion: 65 Resp: 325280

Ion Ratio Lower Upper

65 100

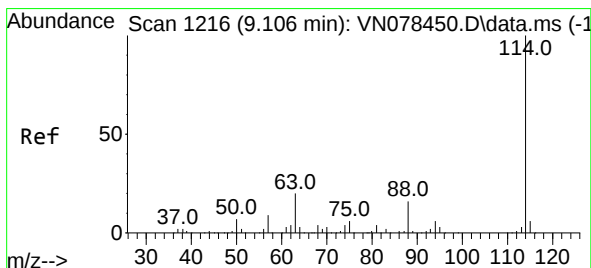
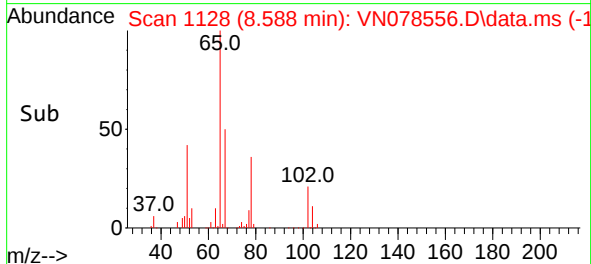
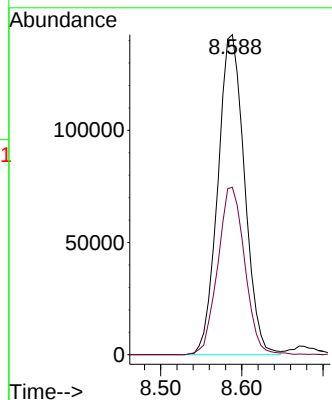
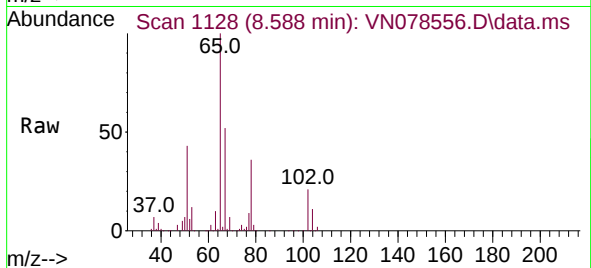
67 53.2 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

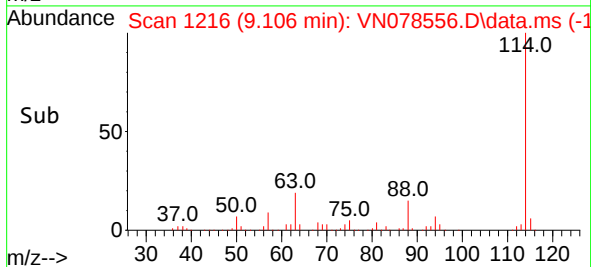
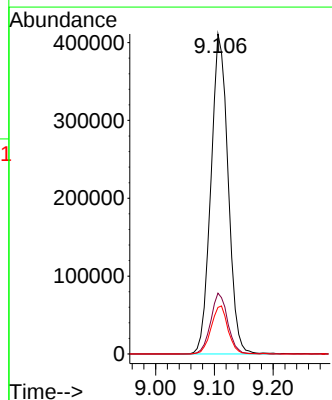
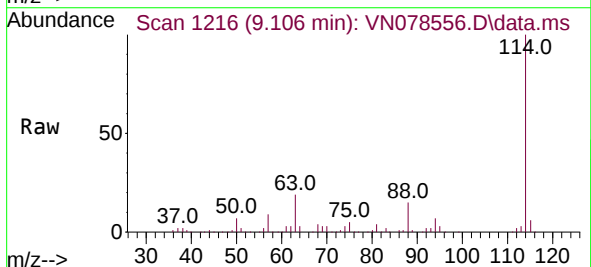
Tgt Ion:114 Resp: 833352

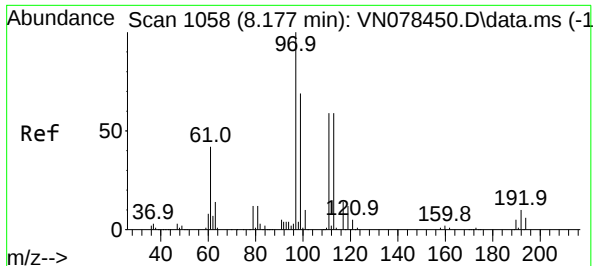
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 14.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.476 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tgt Ion: 113 Resp: 285540

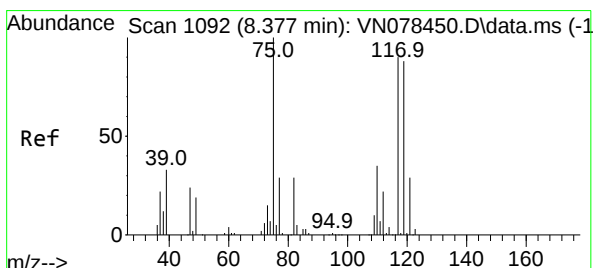
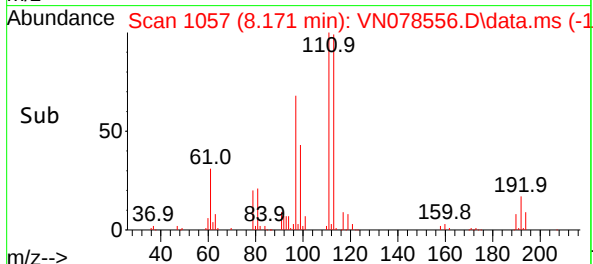
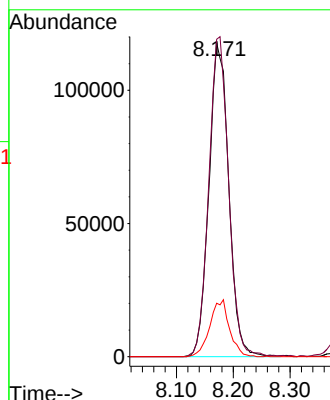
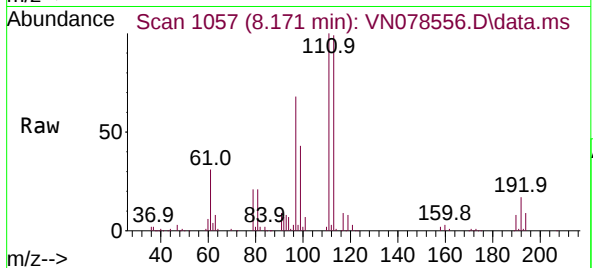
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	123.8
192	17.9	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#36

1,1-Dichloropropene

Concen: 20.671 ug/l

RT: 8.377 min Scan# 1092

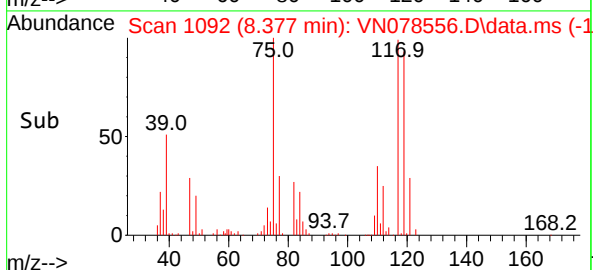
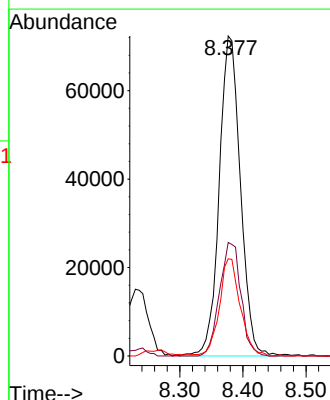
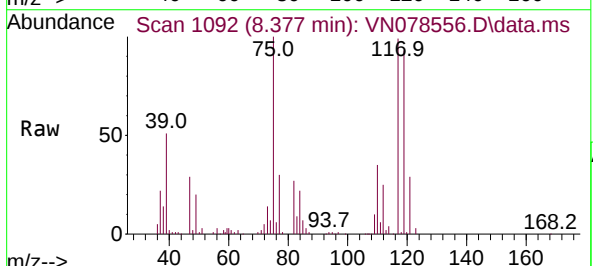
Delta R.T. -0.000 min

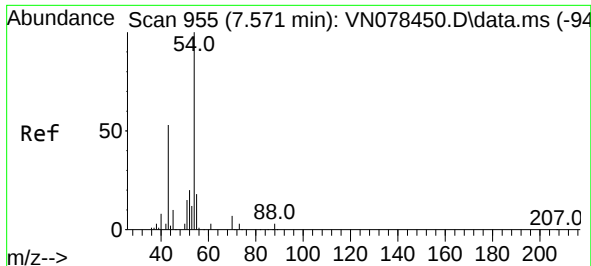
Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

Tgt Ion: 75 Resp: 168850

Ion	Ratio	Lower	Upper
75	100		
110	35.7	19.1	57.3
77	29.9	25.0	37.4





#37

Ethyl Acetate

Concen: 20.315 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN078556.D

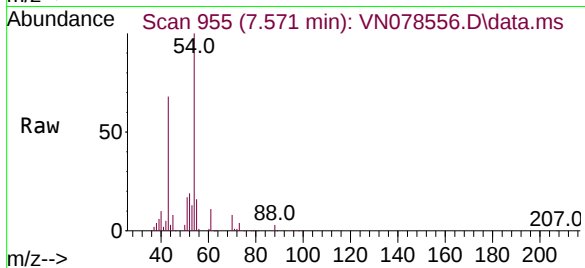
Acq: 18 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02



Tgt Ion: 43 Resp: 138330

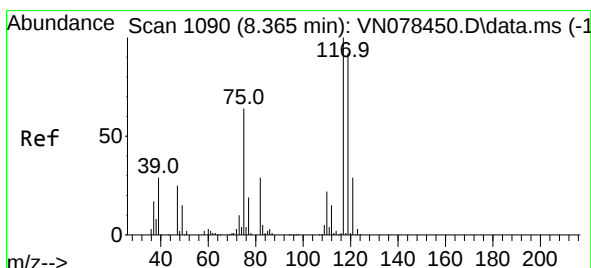
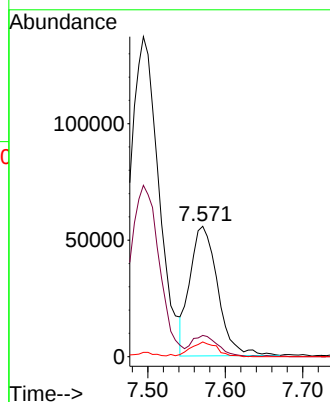
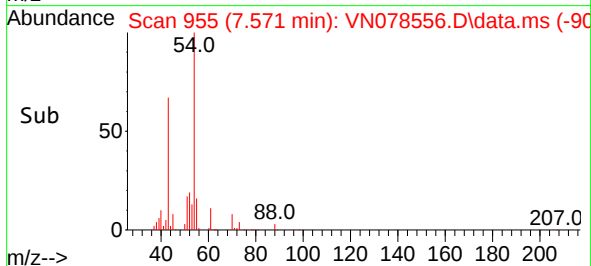
Ion	Ratio	Lower	Upper
43	100		
61	15.5	13.2	19.8
70	11.1	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#38

Carbon Tetrachloride

Concen: 21.665 ug/l

RT: 8.371 min Scan# 1091

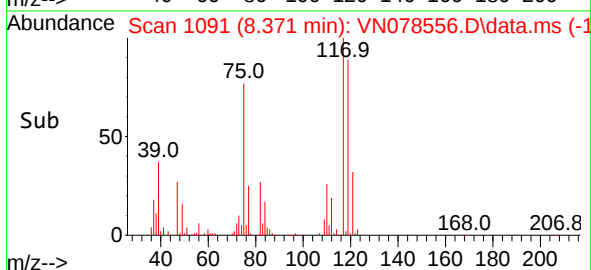
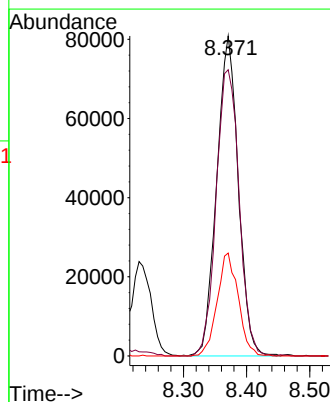
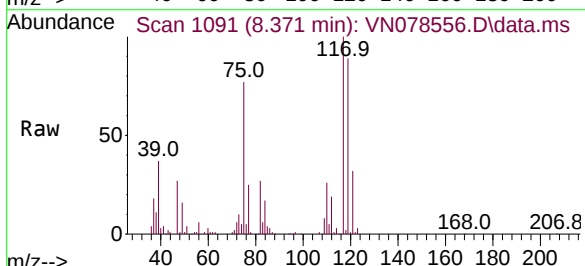
Delta R.T. 0.006 min

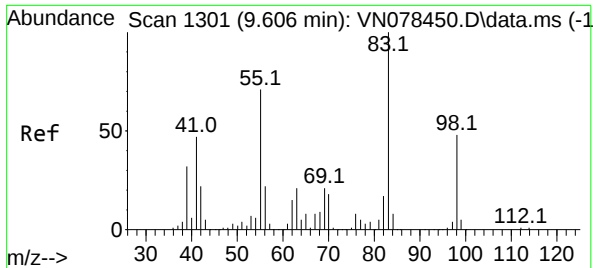
Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

Tgt Ion:117 Resp: 192335

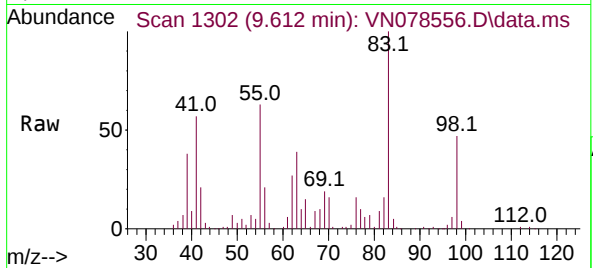
Ion	Ratio	Lower	Upper
117	100		
119	89.4	77.3	115.9
121	32.1	23.3	34.9





#39
Methylcyclohexane
Concen: 20.893 ug/l
RT: 9.612 min Scan# 11302
Delta R.T. 0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

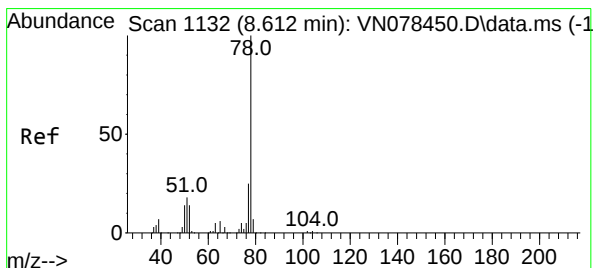
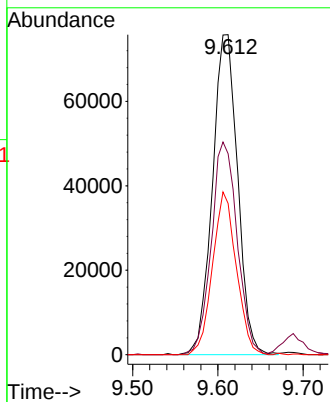
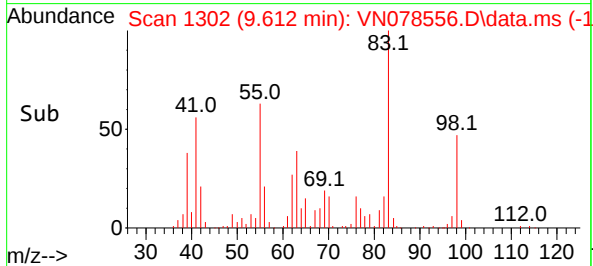
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 83 Resp: 155779
Ion Ratio Lower Upper
83 100
55 62.8 49.1 73.7
98 47.3 40.6 61.0

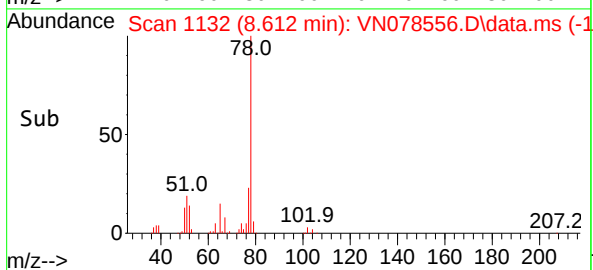
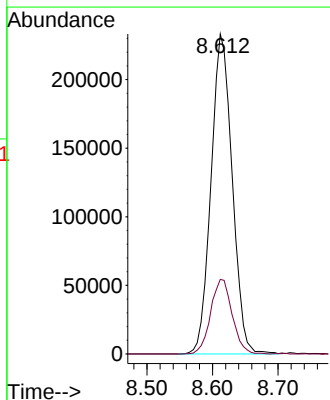
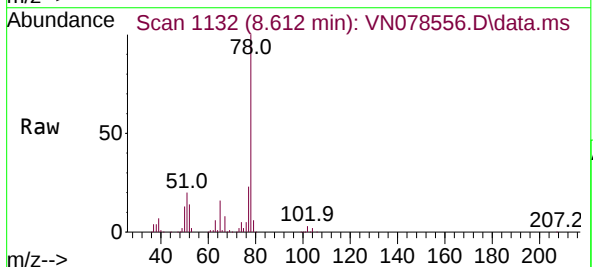
Manual Integrations
APPROVED

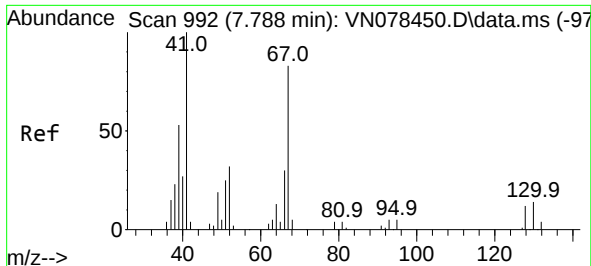
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#40
Benzene
Concen: 21.585 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Tgt Ion: 78 Resp: 522339
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6





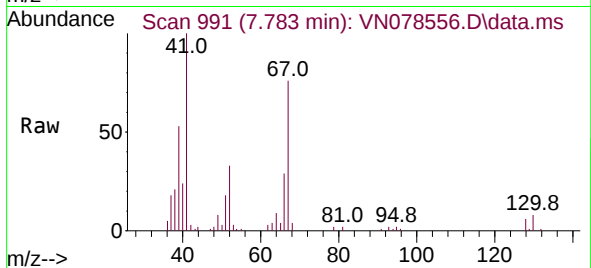
#41
Methacrylonitrile
Concen: 22.737 ug/l
RT: 7.783 min Scan# 991
Delta R.T. -0.005 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02



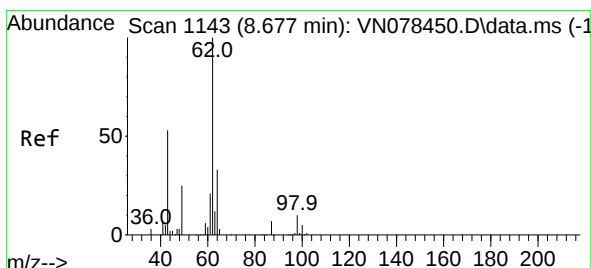
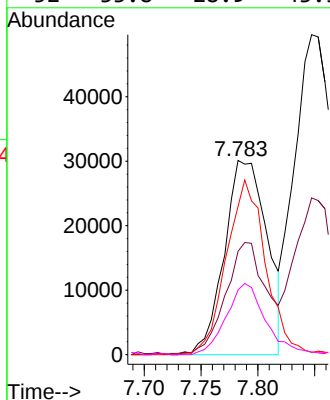
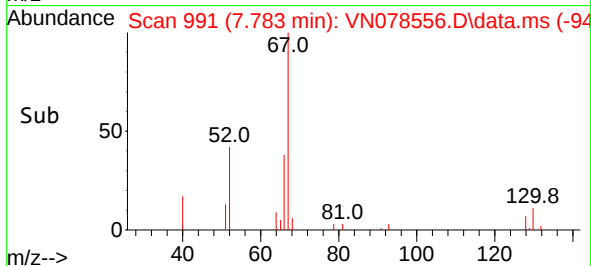
Tgt Ion:	41	Resp:	7892
Ion Ratio	100	Lower	Upper
41	100		
39	55.3	42.6	64.0
67	83.3	77.5	116.3
52	33.8	28.9	43.3

Manual Integrations

APPROVED

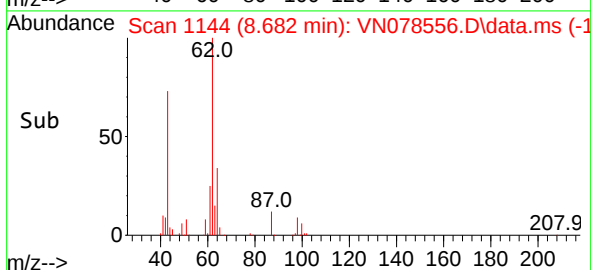
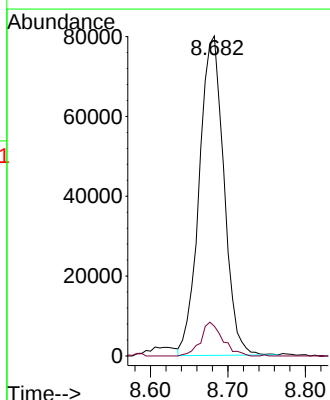
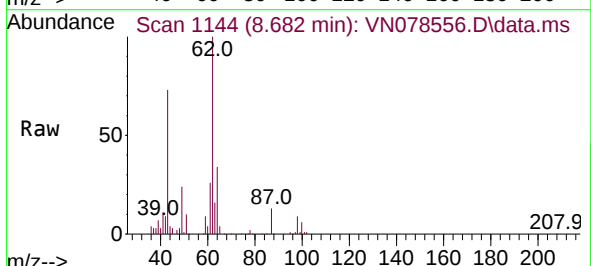
Reviewed By :John Carlone 07/19/2023

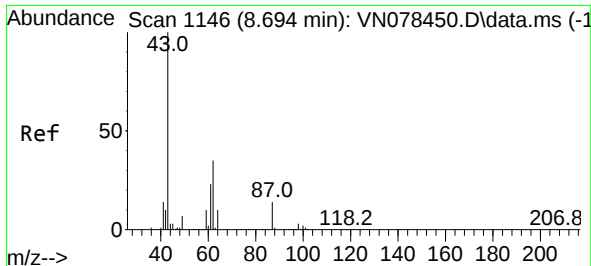
Supervised By :Mahesh Dadoda 07/19/2023



#42
1,2-Dichloroethane
Concen: 21.430 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

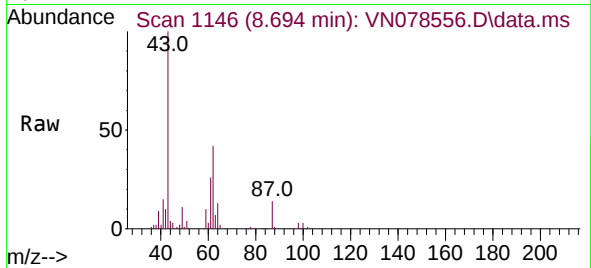
Tgt Ion:	62	Resp:	176391
Ion Ratio	100	Lower	Upper
62	100		
98	9.5	0.0	19.8





#43
Isopropyl Acetate
Concen: 22.751 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

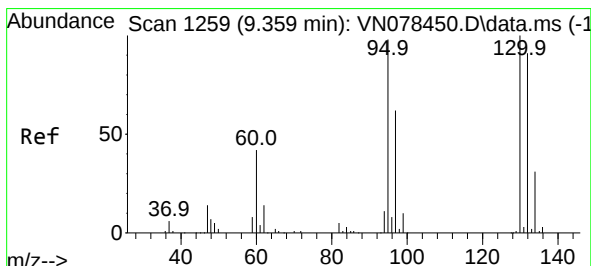
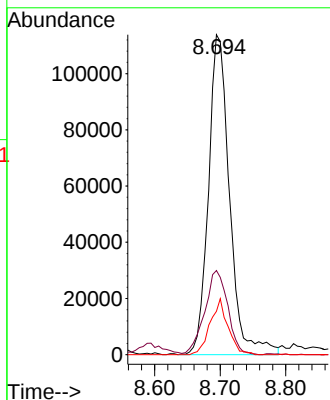
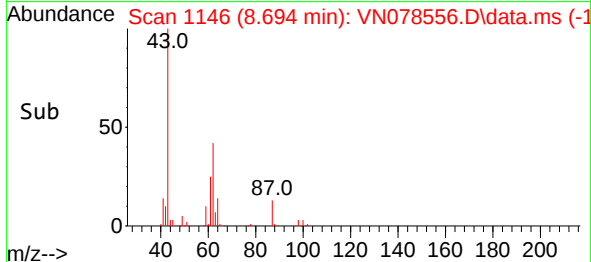
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 43 Resp: 25504
Ion Ratio Lower Upper
43 100
61 28.7 24.7 37.1
87 14.7 14.6 21.8

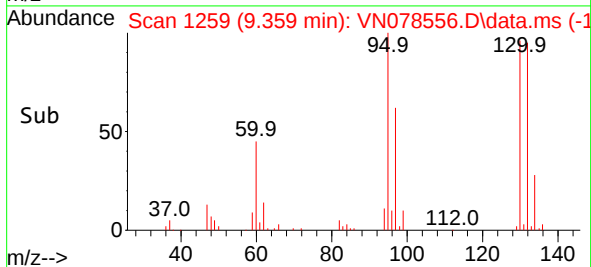
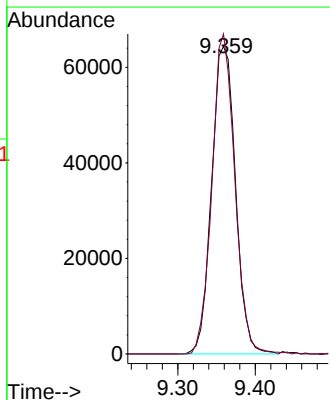
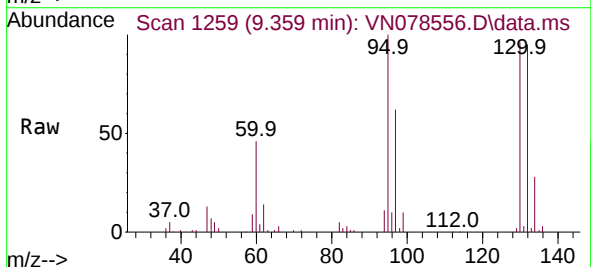
Manual Integrations
APPROVED

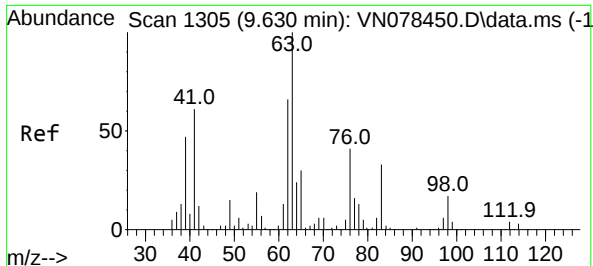
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#44
Trichloroethene
Concen: 21.100 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Tgt Ion:130 Resp: 137619
Ion Ratio Lower Upper
130 100
95 104.0 0.0 204.6





#45

1,2-Dichloropropane

Concen: 22.259 ug/l

RT: 9.629 min Scan# 1305

Delta R.T. -0.001 min

Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tgt Ion: 63 Resp: 13642

Ion Ratio Lower Upper

63 100

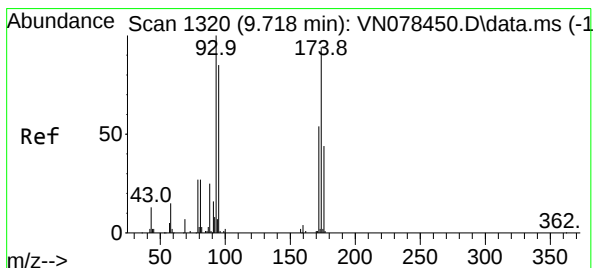
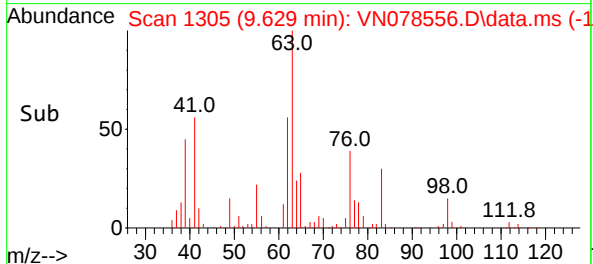
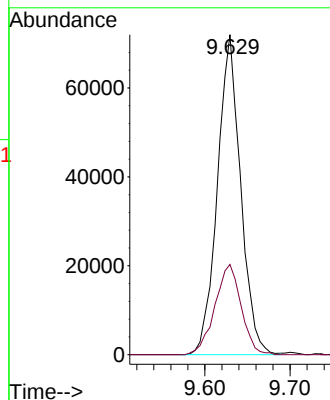
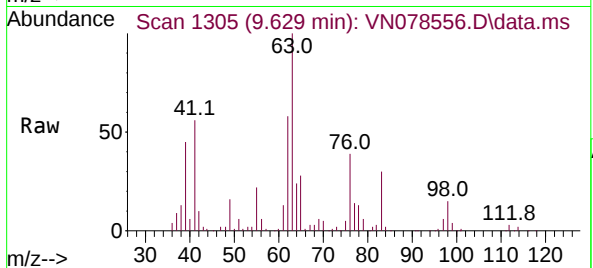
65 28.2 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#46

Dibromomethane

Concen: 22.448 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

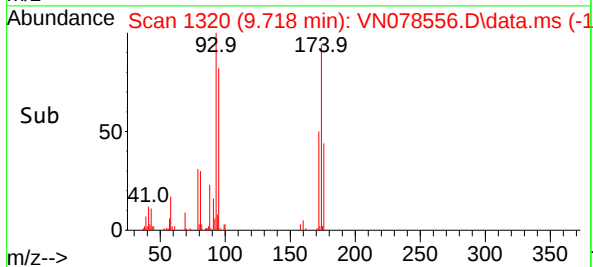
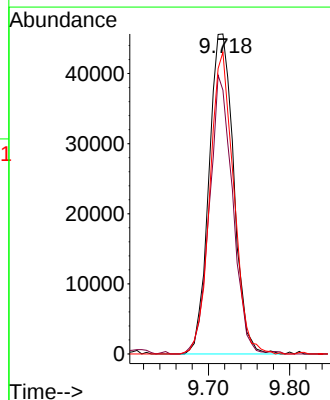
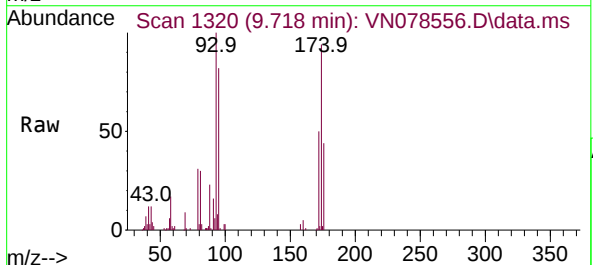
Tgt Ion: 93 Resp: 96834

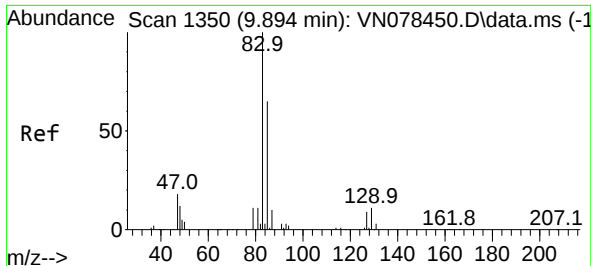
Ion Ratio Lower Upper

93 100

95 81.3 63.8 95.8

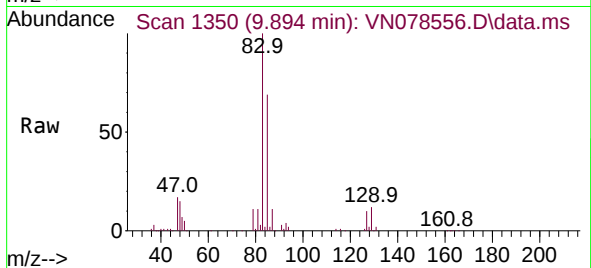
174 90.5 65.6 98.4





#47
Bromodichloromethane
Concen: 21.582 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

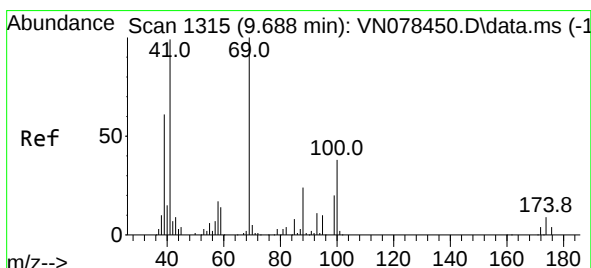
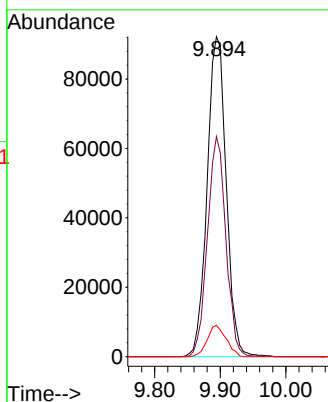
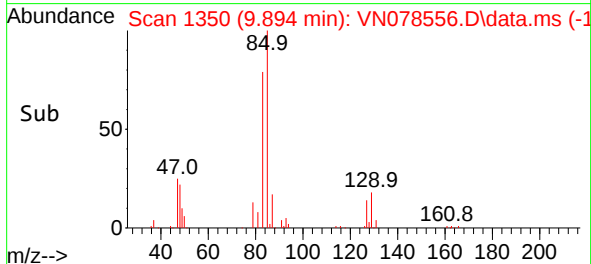
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



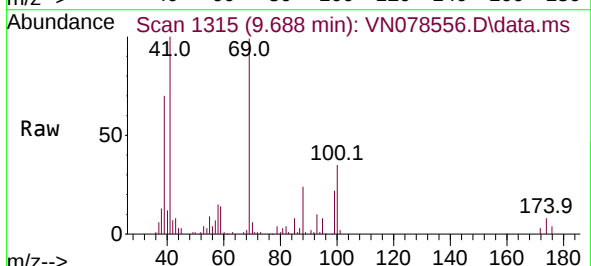
Tgt Ion: 83 Resp: 186625
Ion Ratio Lower Upper
83 100
85 68.8 49.6 74.4
127 9.8 7.0 10.6

Manual Integrations
APPROVED

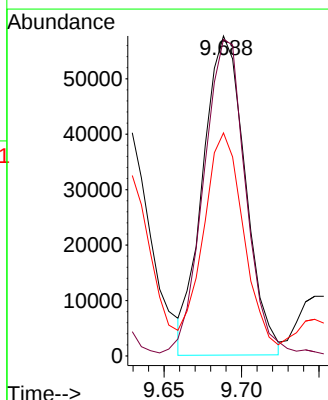
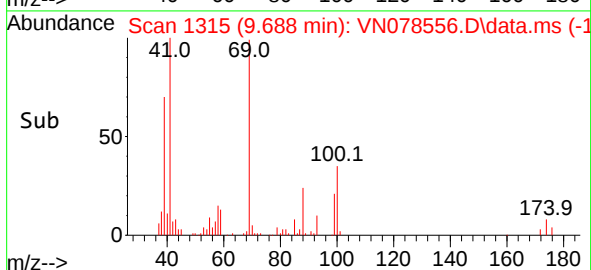
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

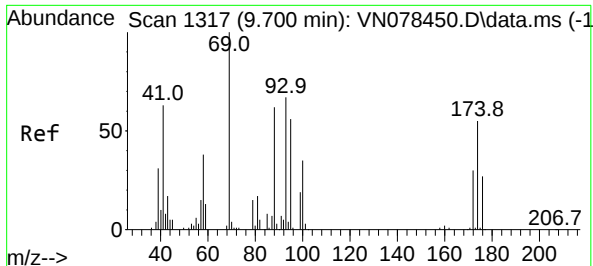


#48
Methyl methacrylate
Concen: 21.103 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



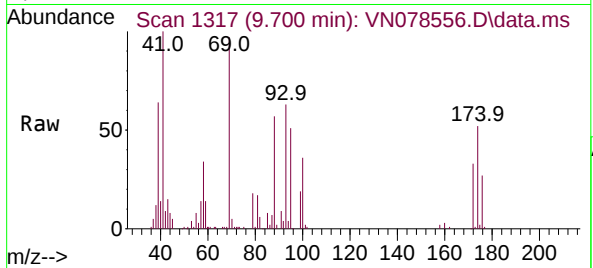
Tgt Ion: 41 Resp: 109602
Ion Ratio Lower Upper
41 100
69 98.9 90.4 135.6
39 67.3 54.6 81.8





#49
1,4-Dioxane
Concen: 416.854 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

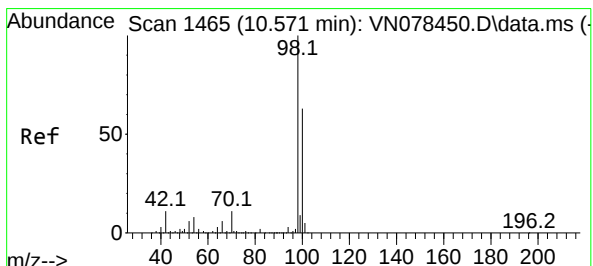
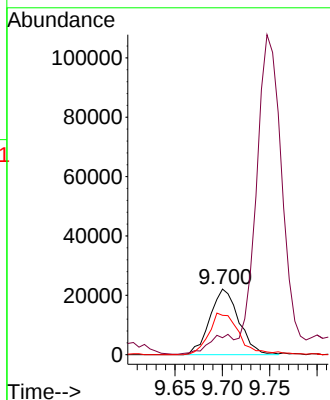
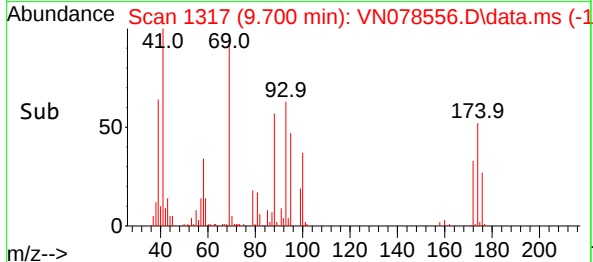
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 88 Resp: 47215
Ion Ratio Lower Upper
88 100
43 25.2 17.0 25.6
58 66.9 47.0 70.4

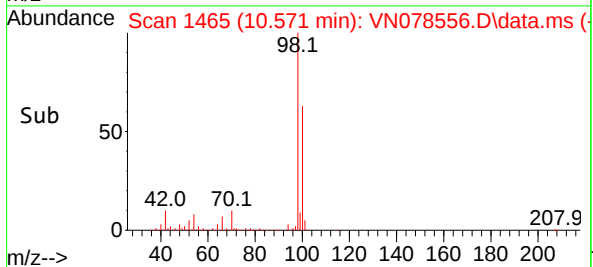
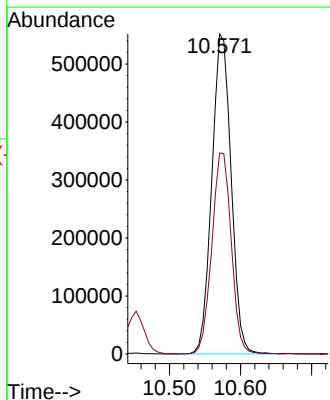
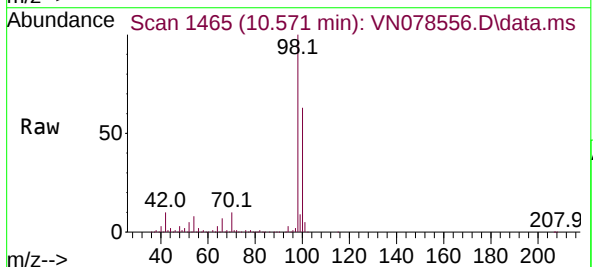
Manual Integrations
APPROVED

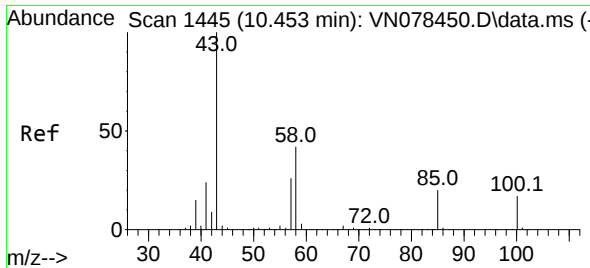
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#50
Toluene-d8
Concen: 48.648 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

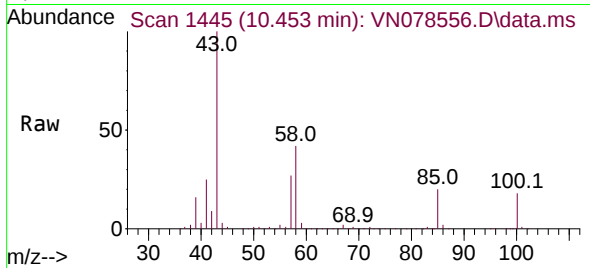
Tgt Ion: 98 Resp: 1039630
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 110.416 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

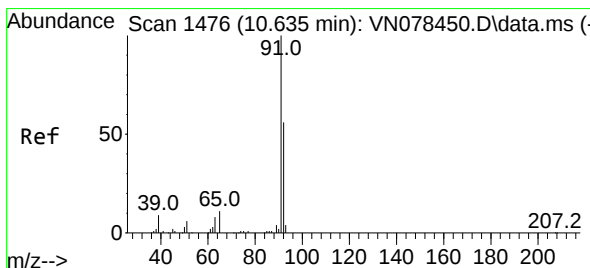
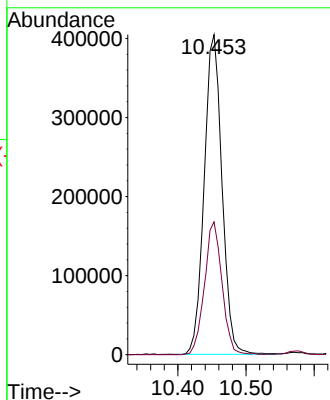
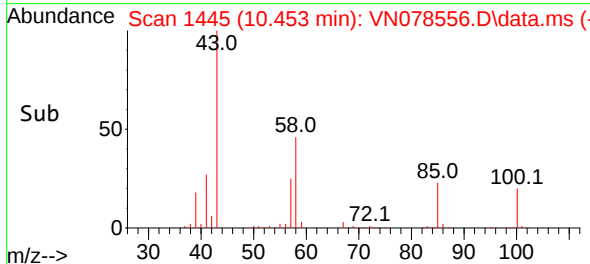
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



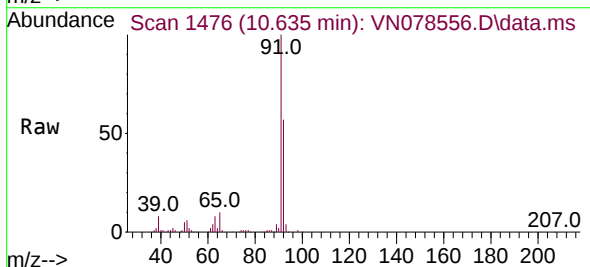
Tgt Ion: 43 Resp: 736270
Ion Ratio Lower Upper
43 100
58 40.9 36.6 54.8

Manual Integrations
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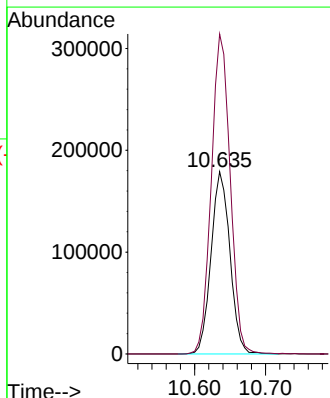
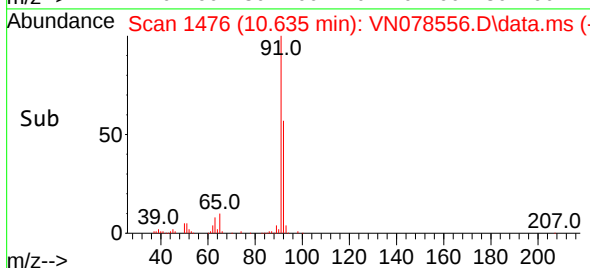
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

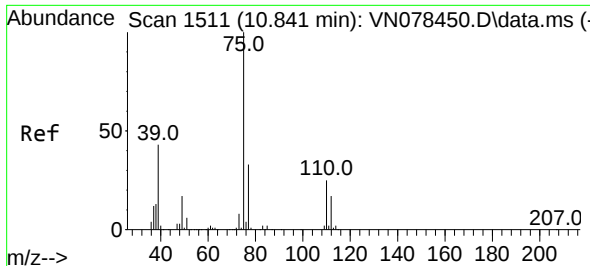


#52
Toluene
Concen: 21.978 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



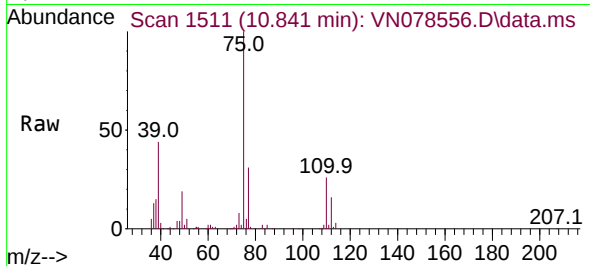
Tgt Ion: 92 Resp: 329625
Ion Ratio Lower Upper
92 100
91 176.1 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 24.306 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

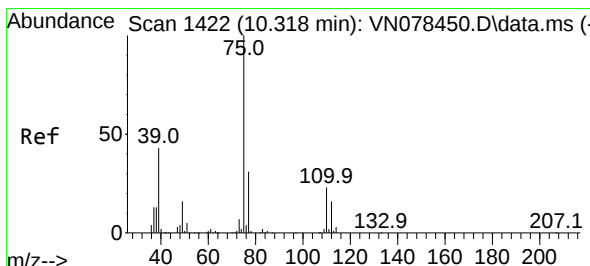
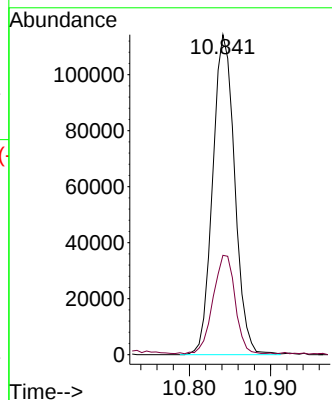
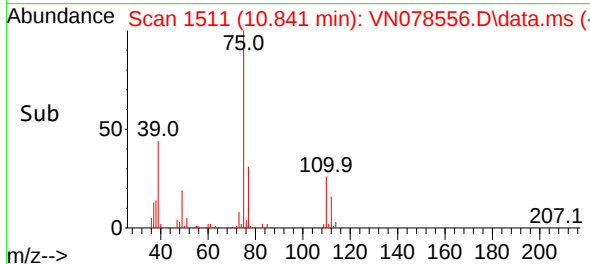
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 75 Resp: 21532
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0

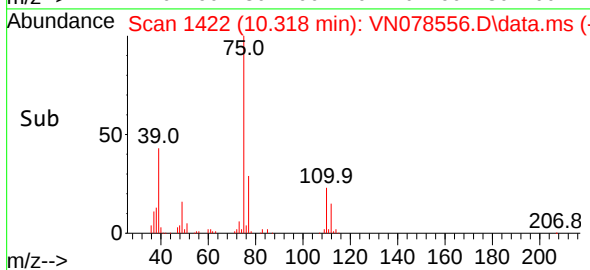
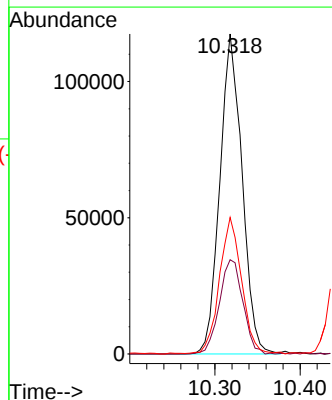
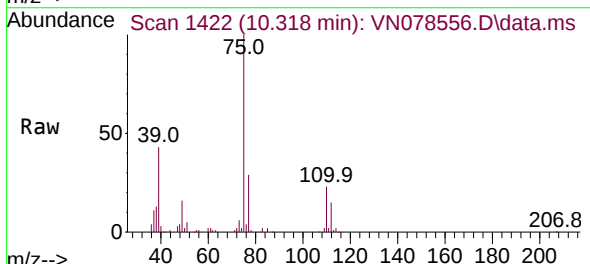
Manual Integrations
APPROVED

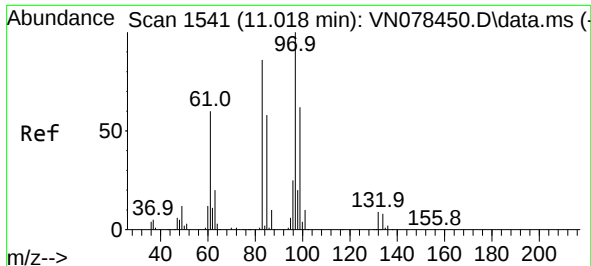
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#54
cis-1,3-Dichloropropene
Concen: 22.512 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

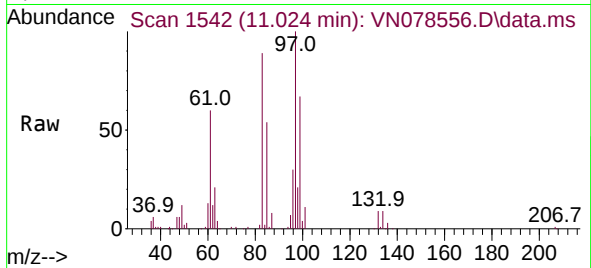
Tgt Ion: 75 Resp: 212582
Ion Ratio Lower Upper
75 100
77 29.5 26.1 39.1
39 42.5 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 25.812 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

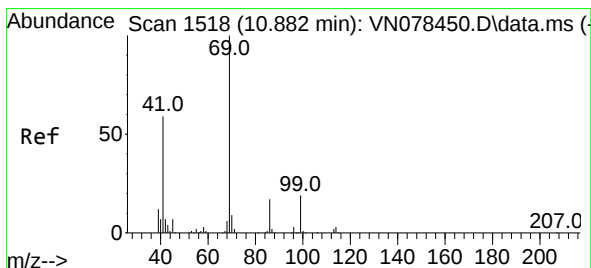
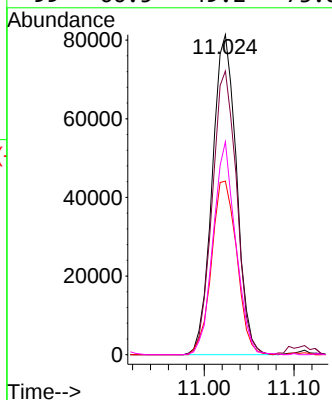
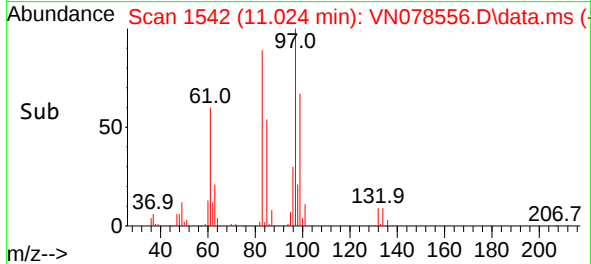
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 97 Resp: 152529
Ion Ratio Lower Upper
97 100
83 88.6 65.1 97.7
85 54.3 43.4 65.2
99 66.5 49.2 73.8

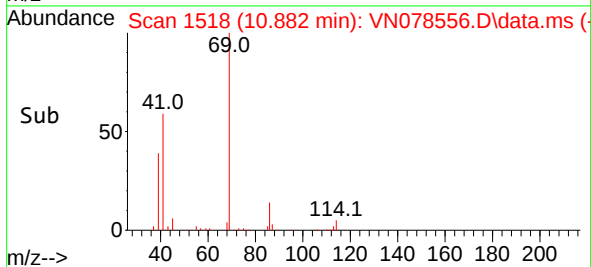
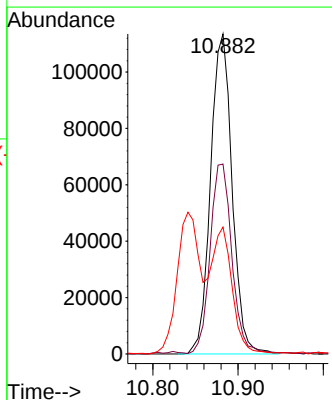
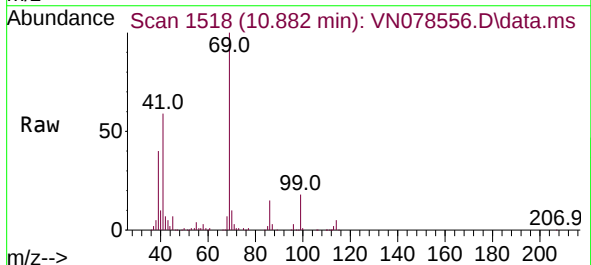
Manual Integrations
APPROVED

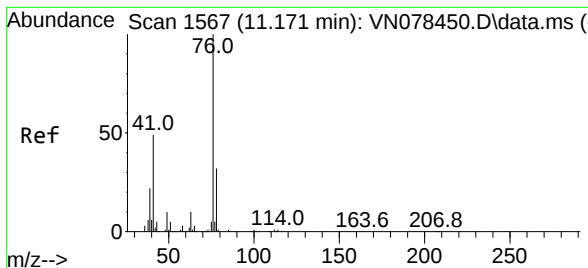
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#56
Ethyl methacrylate
Concen: 24.114 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

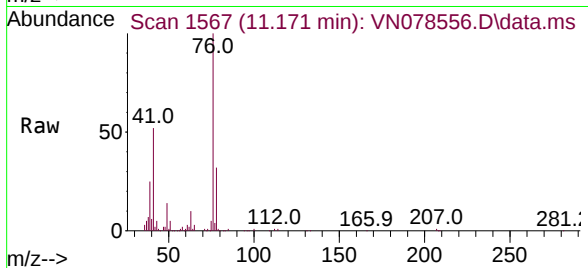
Tgt Ion: 69 Resp: 199186
Ion Ratio Lower Upper
69 100
41 59.8 39.6 59.4#
39 35.0 28.6 43.0





#57
1,3-Dichloropropane
Concen: 29.002 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

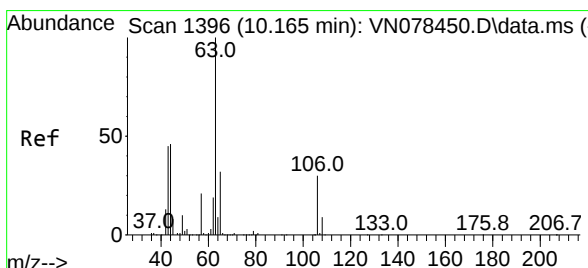
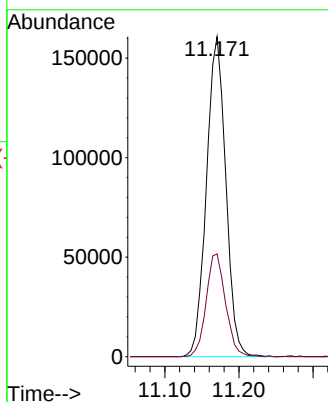
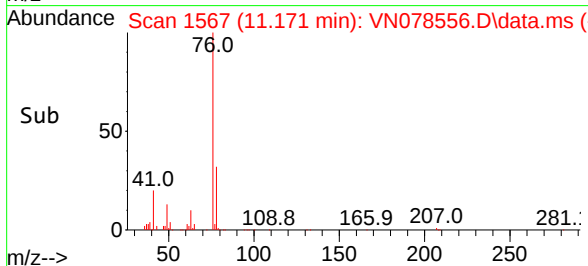
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 76 Resp: 291394
Ion Ratio Lower Upper
76 100
78 32.2 26.1 39.1

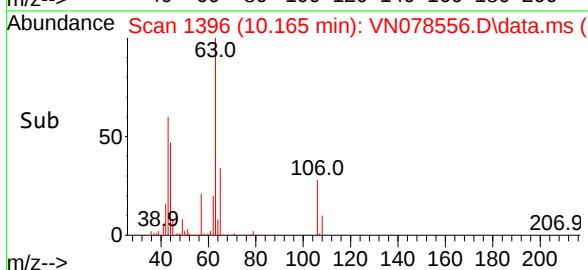
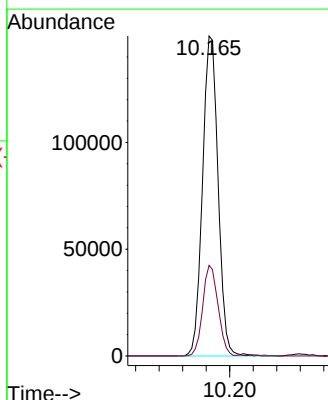
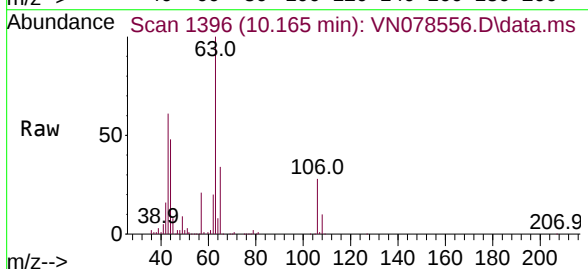
Manual Integrations
APPROVED

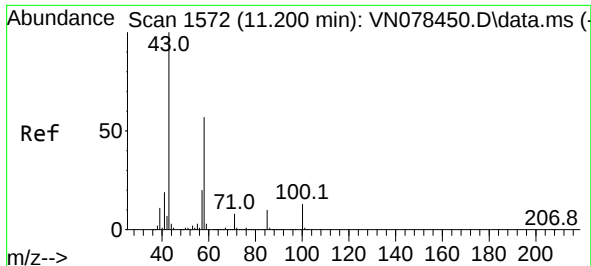
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#58
2-Chloroethyl Vinyl ether
Concen: 93.416 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

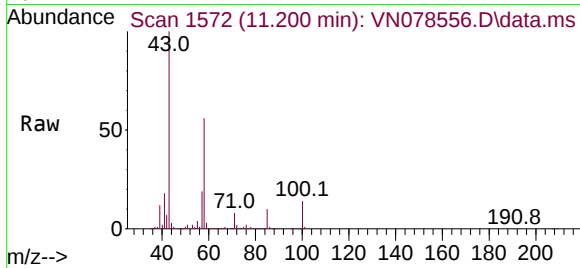
Tgt Ion: 63 Resp: 274995
Ion Ratio Lower Upper
63 100
106 28.0 26.2 39.4





#59
2-Hexanone
Concen: 147.834 ug/l
RT: 11.200 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

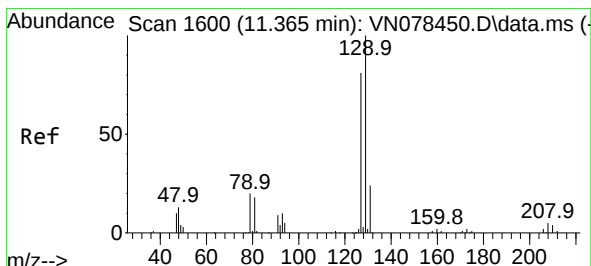
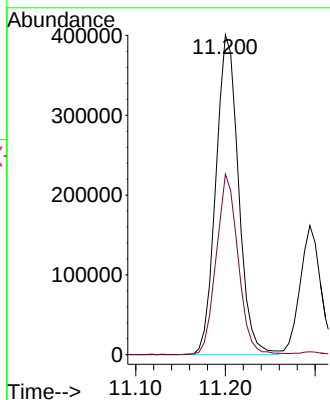
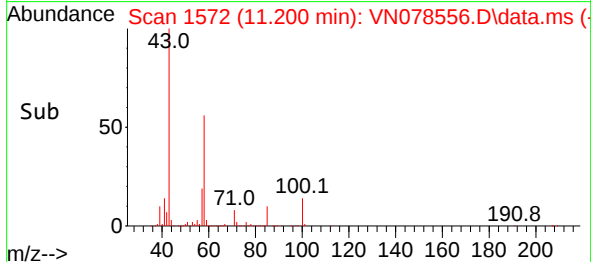
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 43 Resp: 700604
Ion Ratio Lower Upper
43 100
58 54.7 31.7 95.1

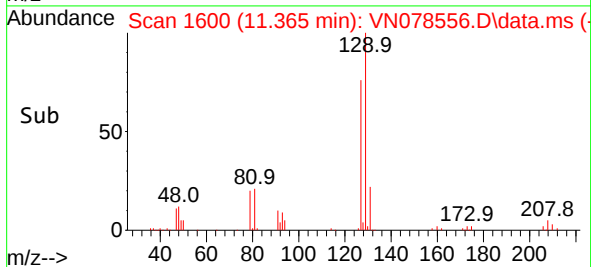
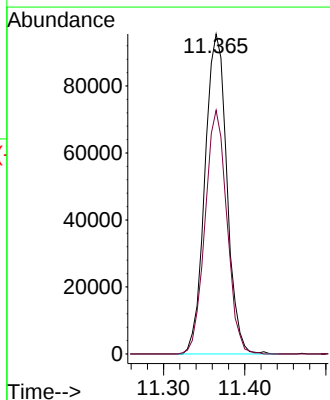
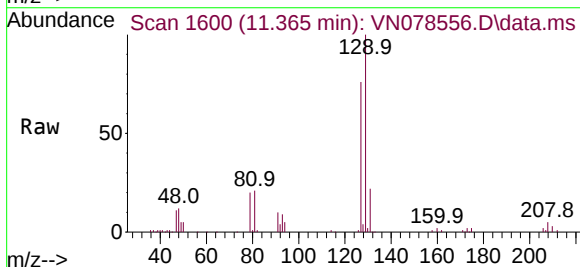
Manual Integrations
APPROVED

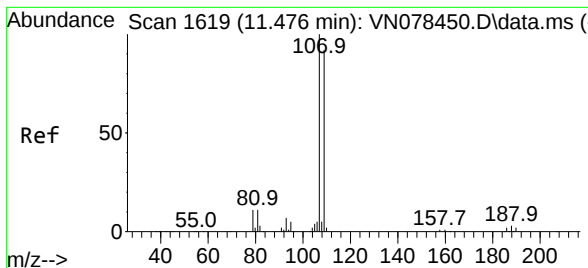
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#60
Dibromochloromethane
Concen: 27.496 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

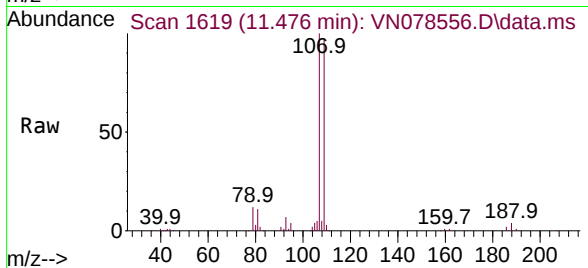
Tgt Ion:129 Resp: 179375
Ion Ratio Lower Upper
129 100
127 75.9 38.6 116.0





#61
1,2-Dibromoethane
Concen: 25.341 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

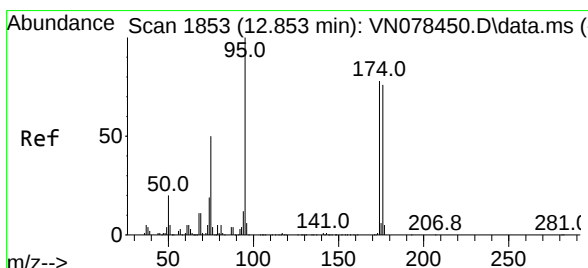
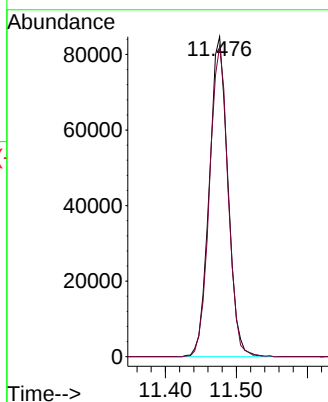
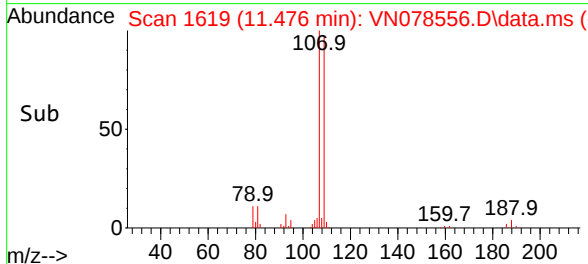
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



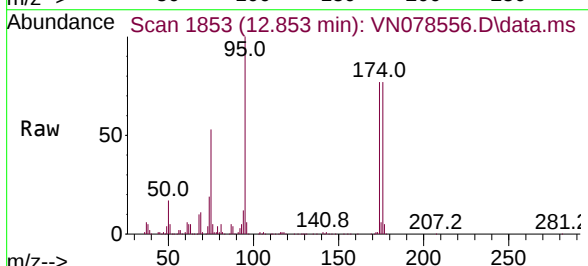
Tgt Ion:107 Resp: 15425
Ion Ratio Lower Upper
107 100
109 96.9 76.6 114.8

Manual Integrations
APPROVED

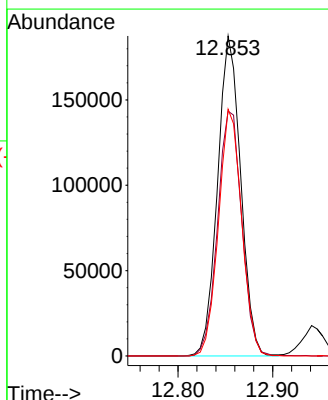
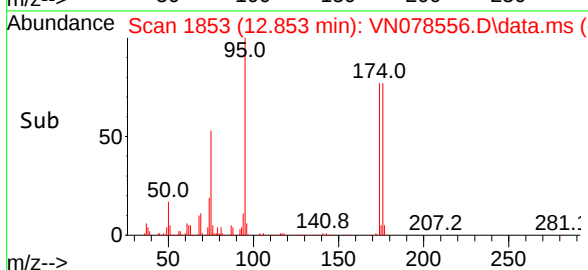
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

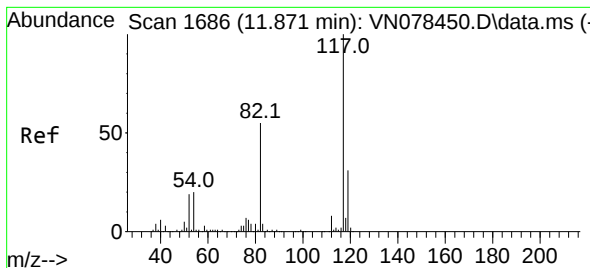


#62
4-Bromofluorobenzene
Concen: 48.402 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



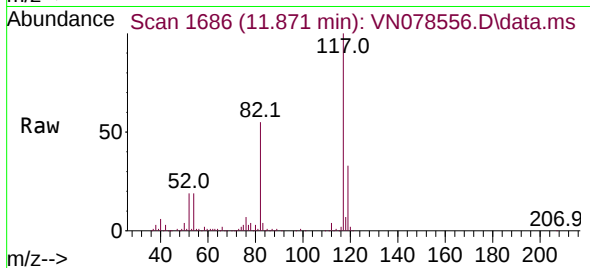
Tgt Ion: 95 Resp: 318612
Ion Ratio Lower Upper
95 100
174 79.9 0.0 143.8
176 77.1 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

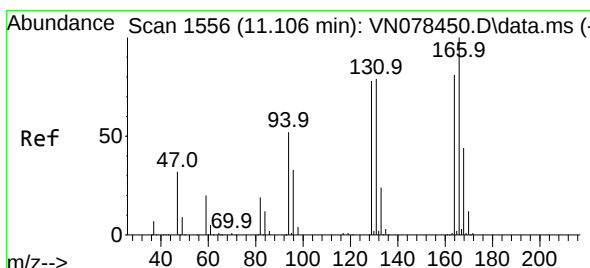
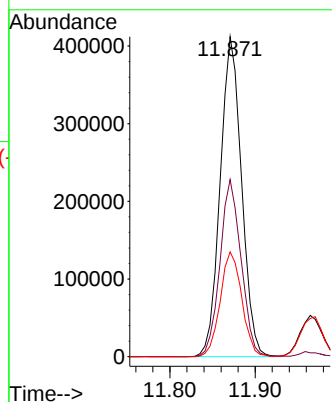
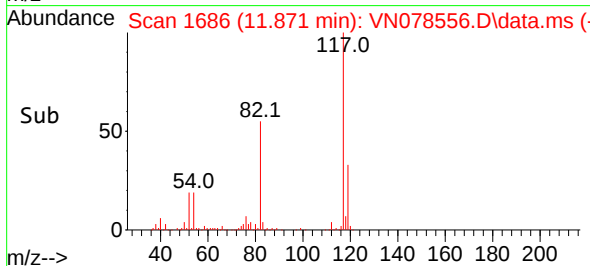
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion:117 Resp: 717025
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 32.8 25.6 38.4

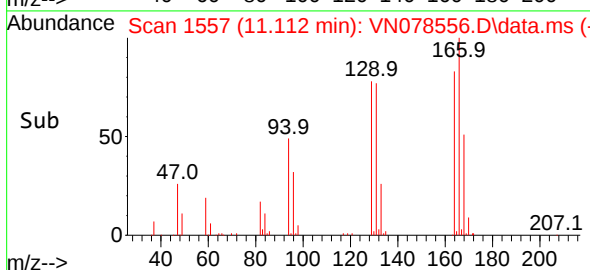
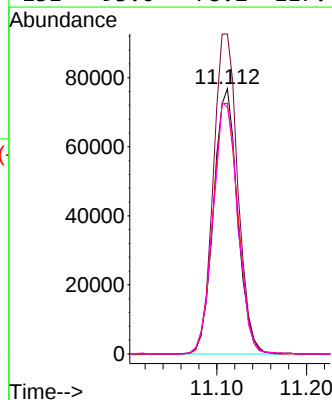
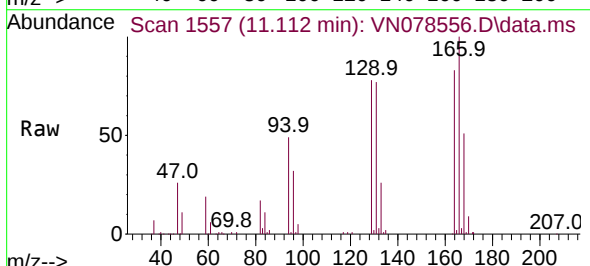
Manual Integrations
APPROVED

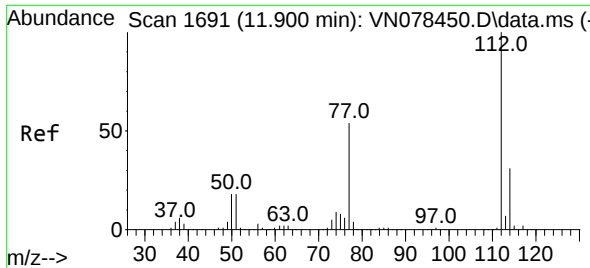
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#64
Tetrachloroethene
Concen: 26.323 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

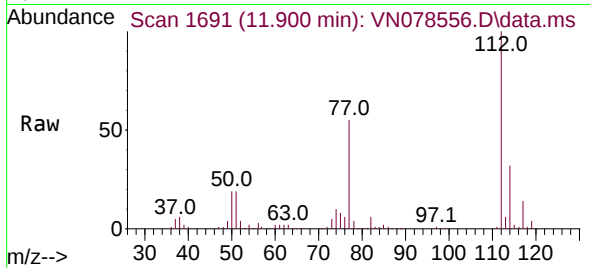
Tgt Ion:164 Resp: 141903
Ion Ratio Lower Upper
164 100
166 120.6 101.4 152.0
129 94.5 82.4 123.6
131 93.0 78.2 117.4





#65
Chlorobenzene
Concen: 21.822 ug/l
RT: 11.900 min Scan# 1119
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

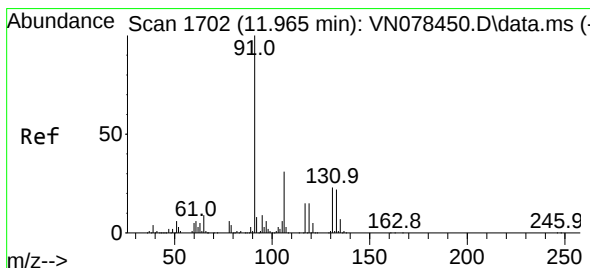
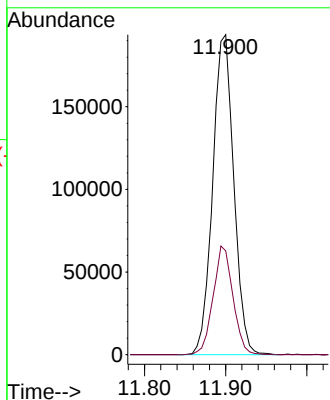
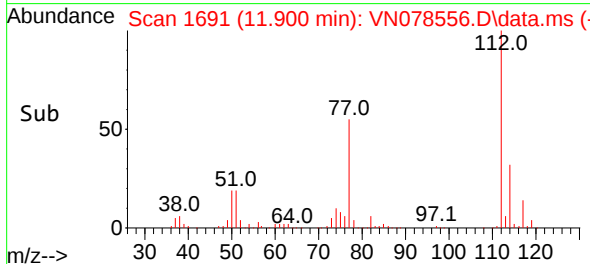
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion:112 Resp: 349752
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.4

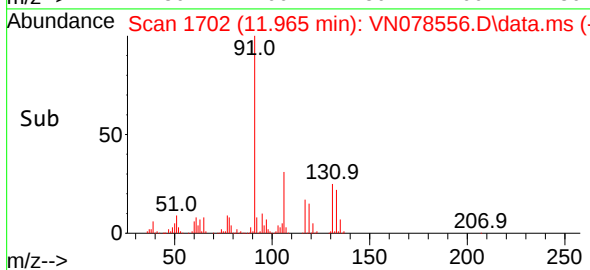
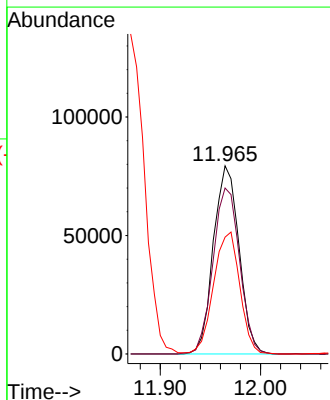
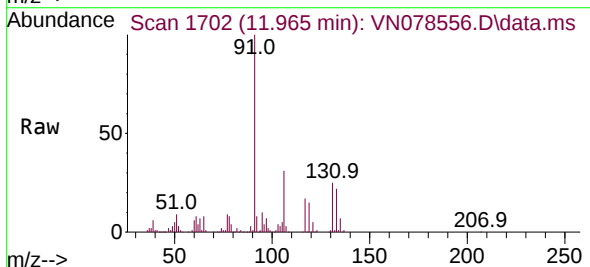
Manual Integrations
APPROVED

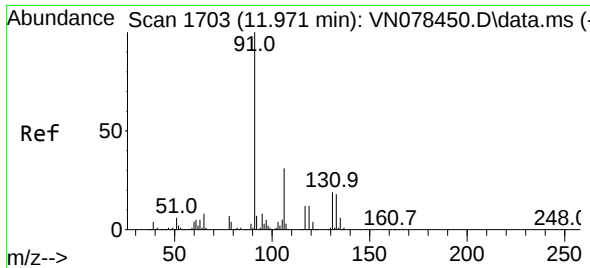
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 22.807 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

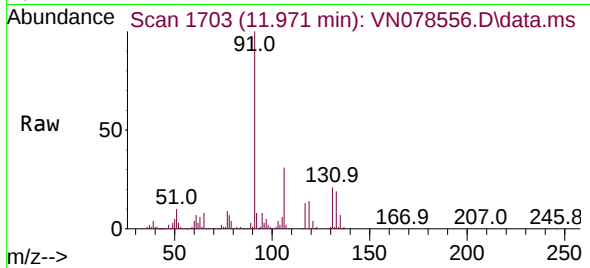
Tgt Ion:131 Resp: 140618
Ion Ratio Lower Upper
131 100
133 91.9 46.4 139.1
119 66.4 34.1 102.2





#67
Ethyl Benzene
Concen: 22.010 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

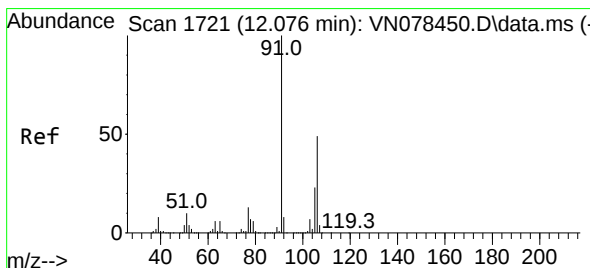
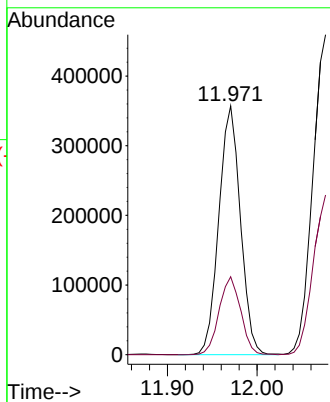
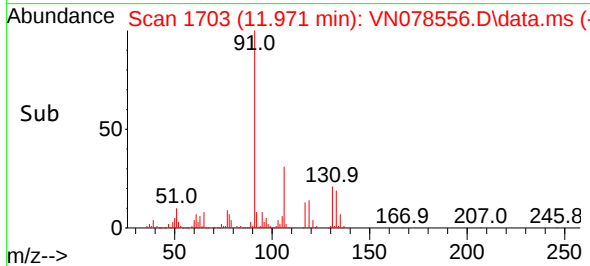
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



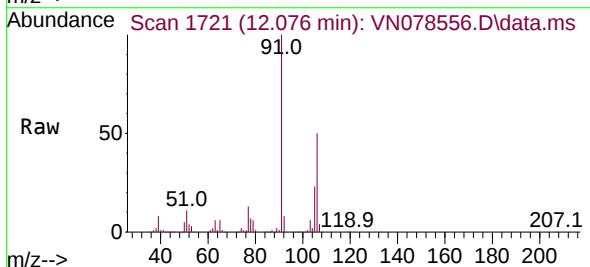
Tgt Ion: 91 Resp: 59626
Ion Ratio Lower Upper
91 100
106 31.3 25.6 38.4

Manual Integrations
APPROVED

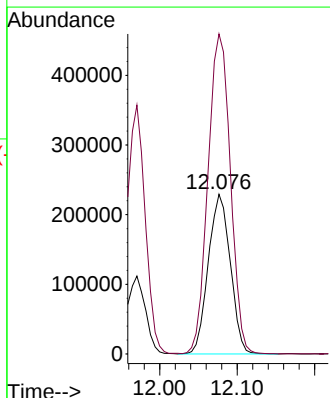
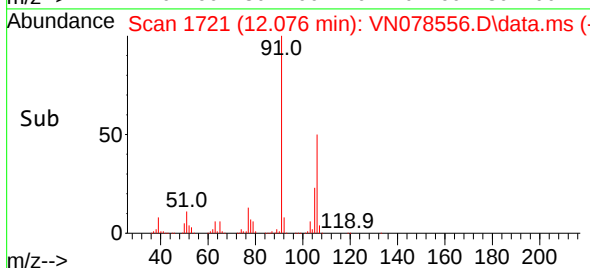
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

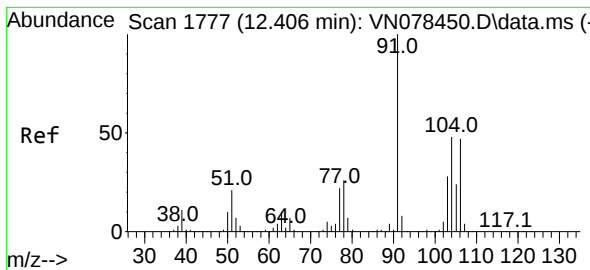


#68
m/p-Xylenes
Concen: 45.213 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



Tgt Ion:106 Resp: 452872
Ion Ratio Lower Upper
106 100
91 204.0 159.6 239.4





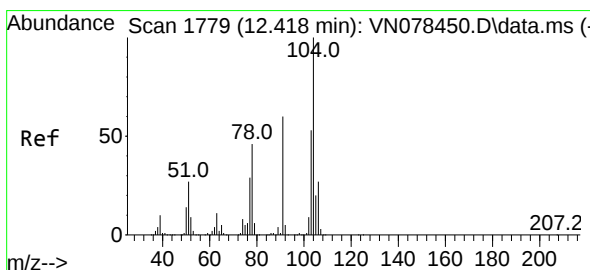
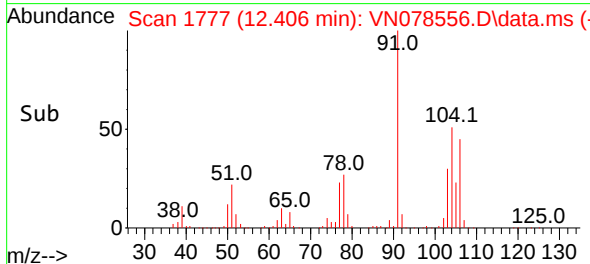
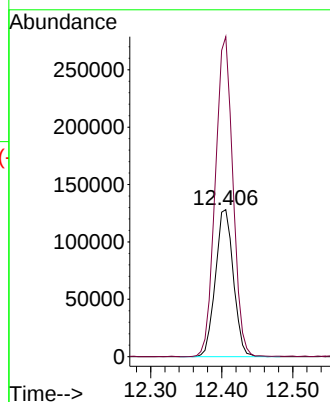
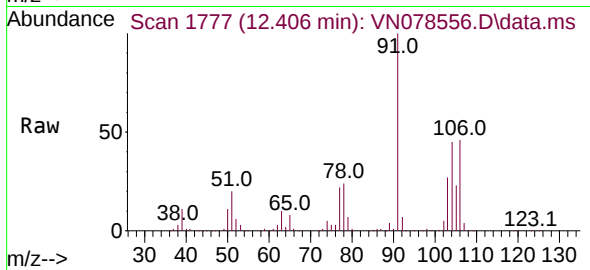
#69
o-Xylene
Concen: 22.180 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tgt Ion:106 Resp: 224400
Ion Ratio Lower Upper
106 100
91 213.6 105.2 315.5

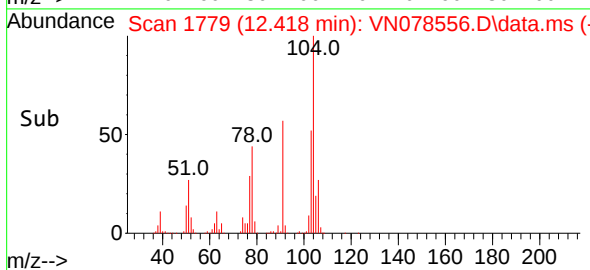
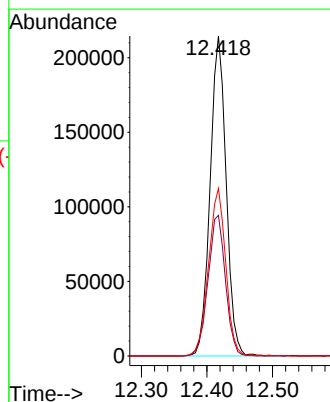
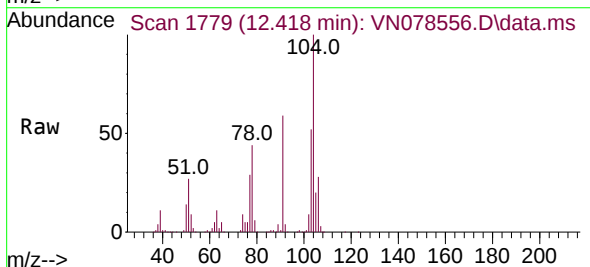
Manual Integrations
APPROVED

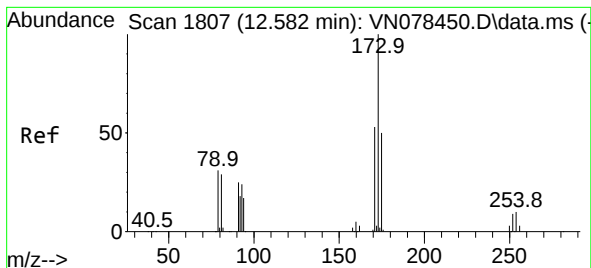
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#70
Styrene
Concen: 23.081 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Tgt Ion:104 Resp: 365331
Ion Ratio Lower Upper
104 100
78 47.6 39.5 59.3
103 56.0 43.2 64.8





#71

Bromoform

Concen: 23.480 ug/l

RT: 12.582 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

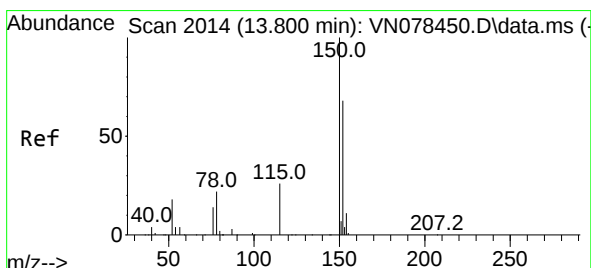
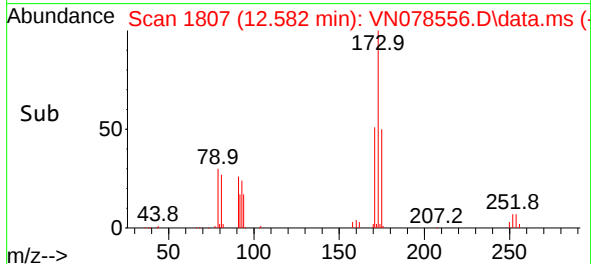
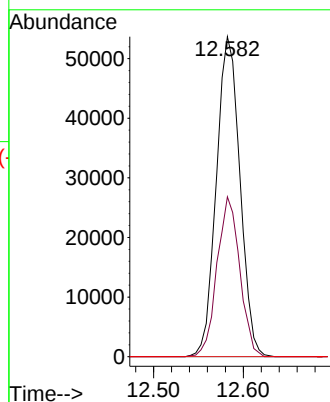
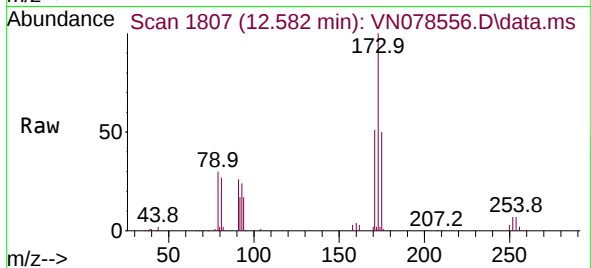
Tgt Ion:173 Resp: 98044
 Ion Ratio Lower Upper
 173 100
 175 48.1 24.3 73.0
 254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

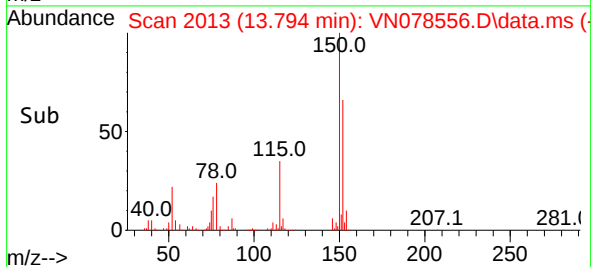
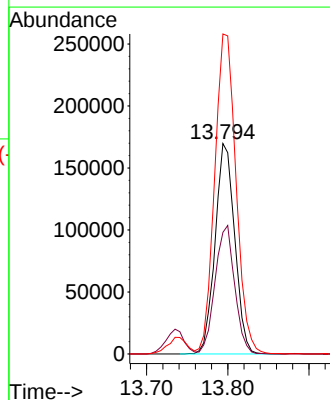
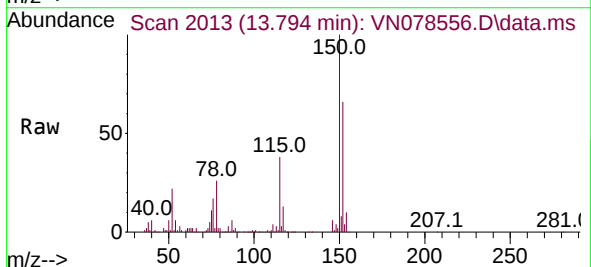
RT: 13.794 min Scan# 2013

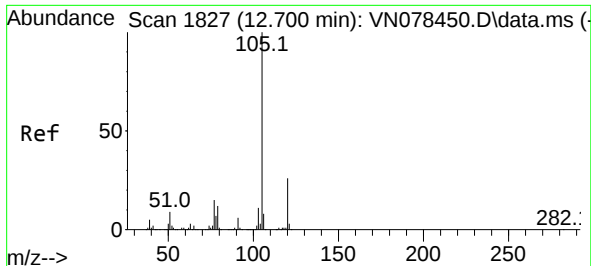
Delta R.T. -0.006 min

Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

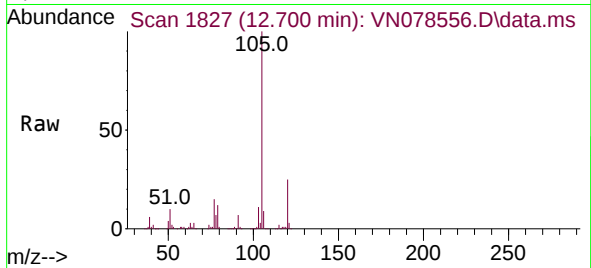
Tgt Ion:152 Resp: 285080
 Ion Ratio Lower Upper
 152 100
 115 61.0 32.3 96.8
 150 165.5 0.0 355.8





#73
Isopropylbenzene
Concen: 20.849 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

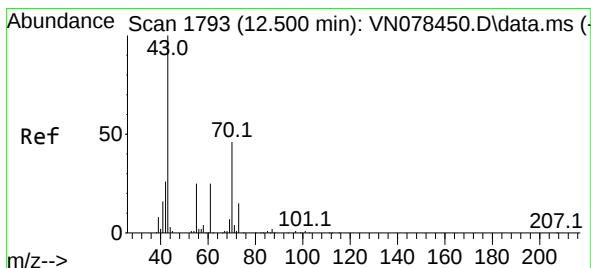
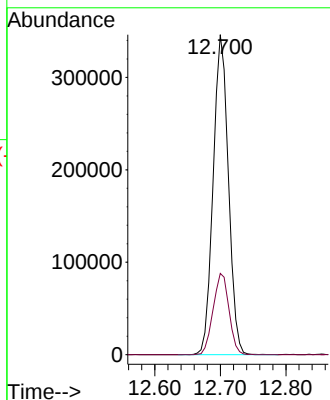
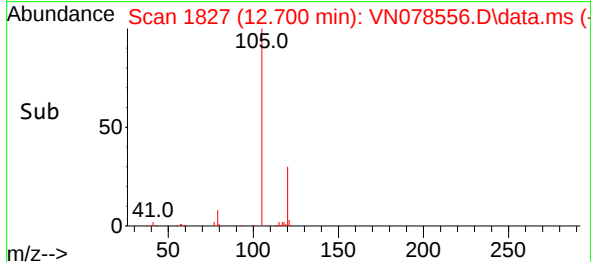
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



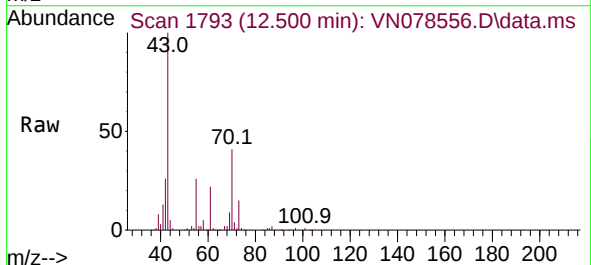
Tgt Ion:105 Resp: 558489
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.1

Manual Integrations
APPROVED

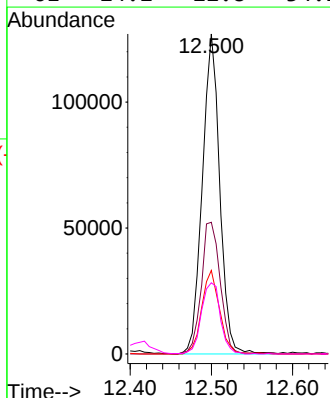
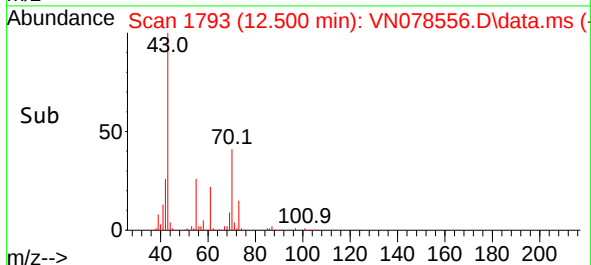
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

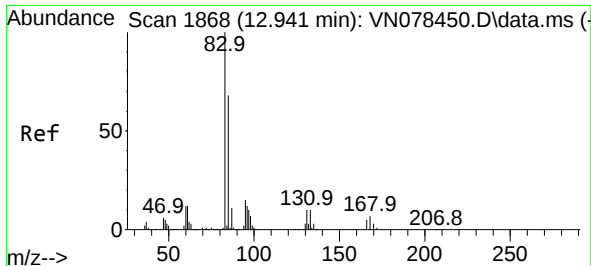


#74
N-ethyl acetate
Concen: 20.507 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



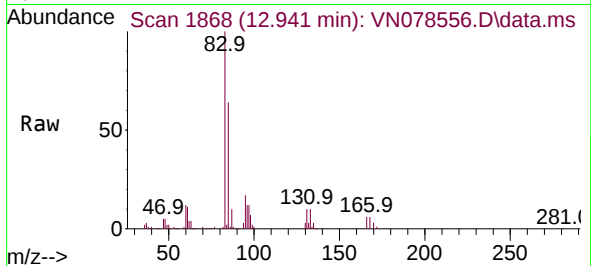
Tgt Ion: 43 Resp: 189309
Ion Ratio Lower Upper
43 100
70 44.8 43.4 65.2
55 26.7 21.4 32.0
61 24.2 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 22.547 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

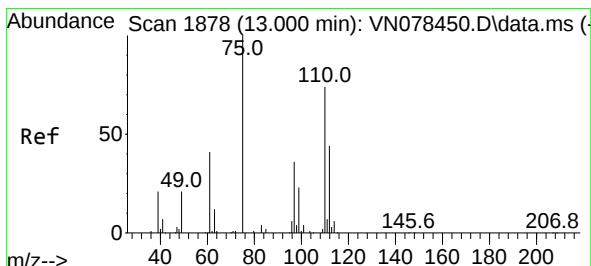
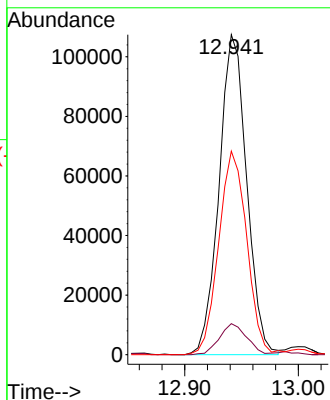
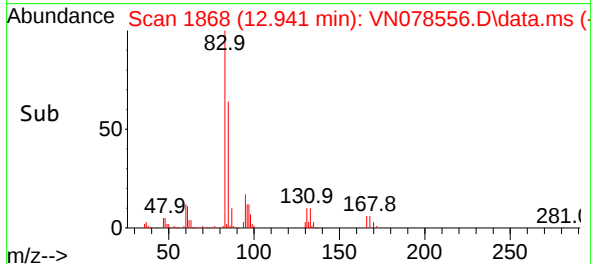
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 83 Resp: 18141
Ion Ratio Lower Upper
83 100
131 9.6 5.0 15.0
85 64.9 31.9 95.7

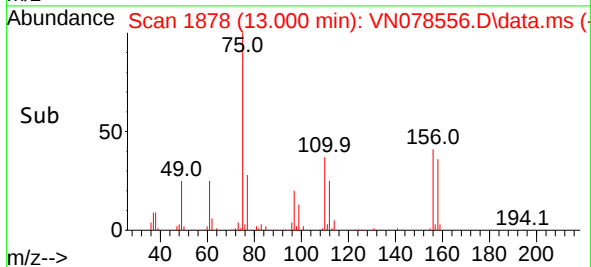
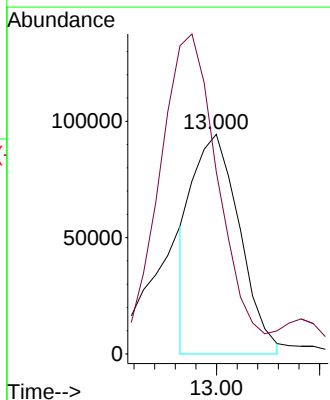
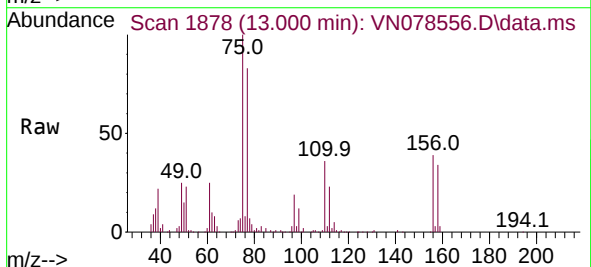
Manual Integrations
APPROVED

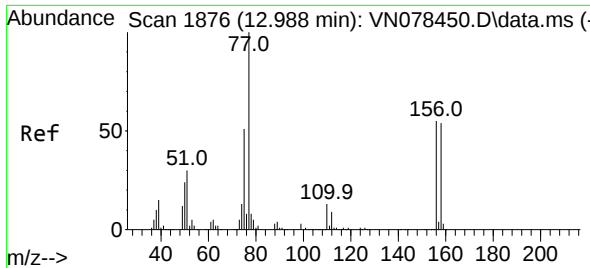
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#76
1,2,3-Trichloropropane
Concen: 21.863 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Tgt Ion: 75 Resp: 150651
Ion Ratio Lower Upper
75 100
77 183.9 84.5 253.5





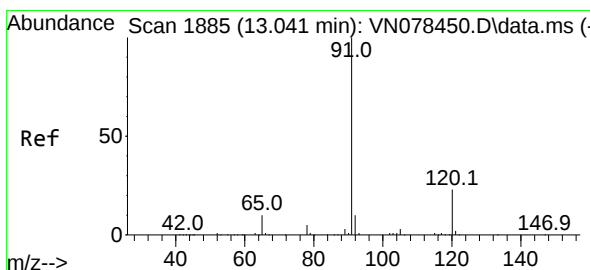
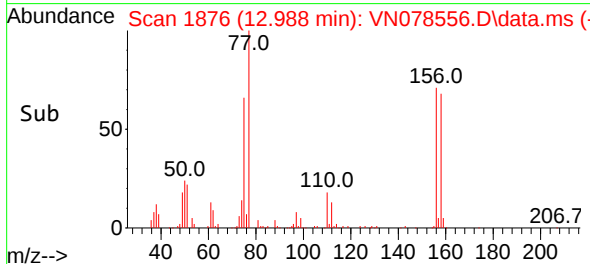
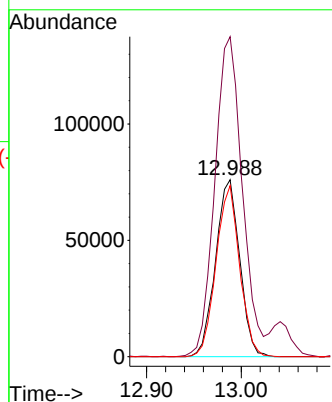
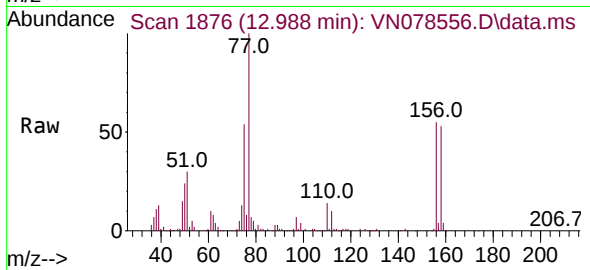
#77
Bromobenzene
Concen: 22.325 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tgt Ion:156 Resp: 13503
Ion Ratio Lower Upper
156 100
77 205.2 107.7 323.3
158 94.2 48.4 145.3

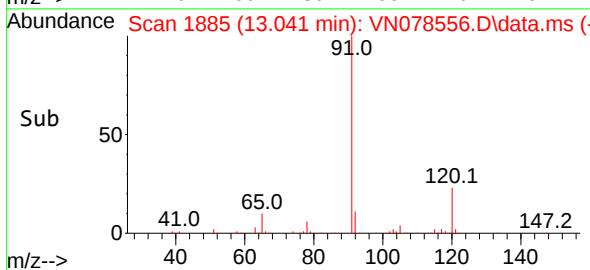
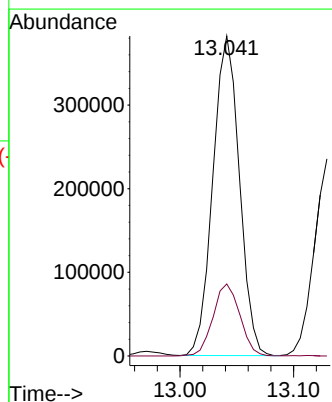
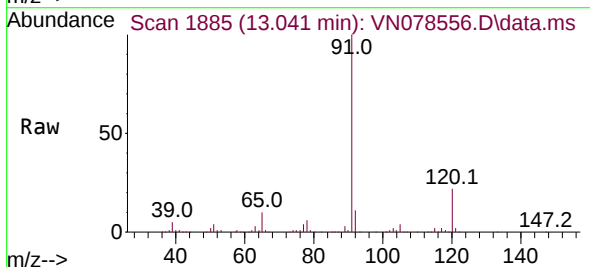
Manual Integrations
APPROVED

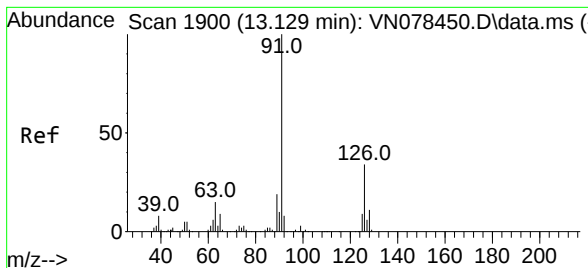
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#78
n-propylbenzene
Concen: 21.627 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Tgt Ion: 91 Resp: 619570
Ion Ratio Lower Upper
91 100
120 22.8 11.5 34.4





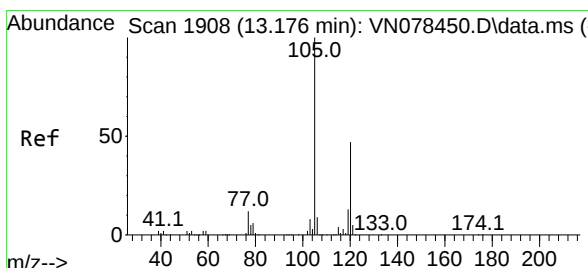
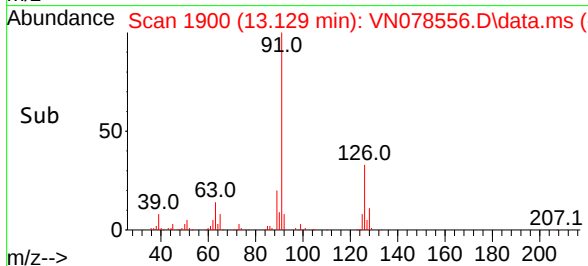
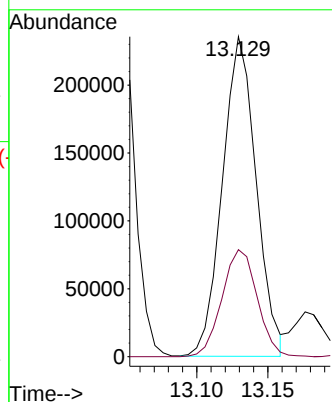
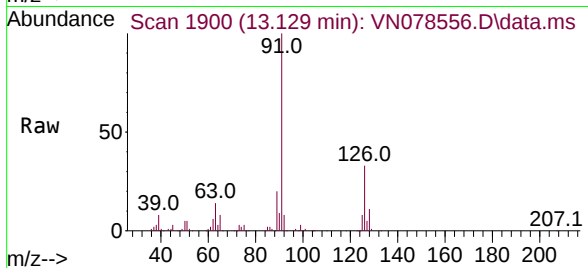
#79
2-Chlorotoluene
Concen: 20.749 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tgt Ion: 91 Resp: 389350
Ion Ratio Lower Upper
91 100
126 34.9 16.3 48.8

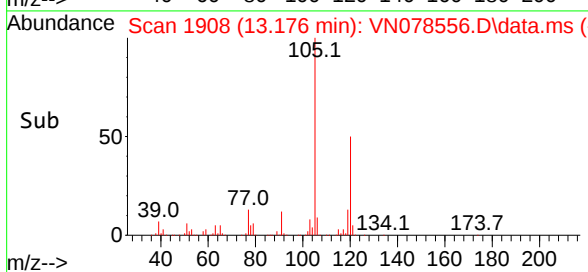
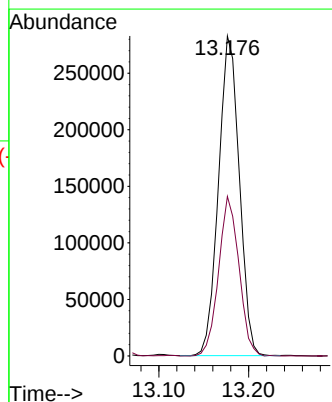
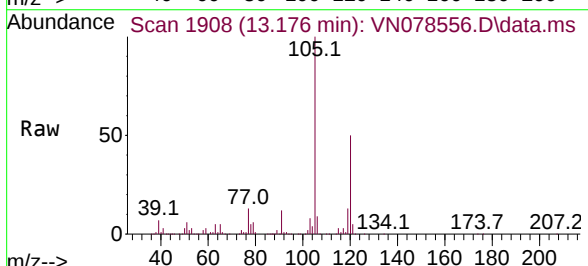
Manual Integrations
APPROVED

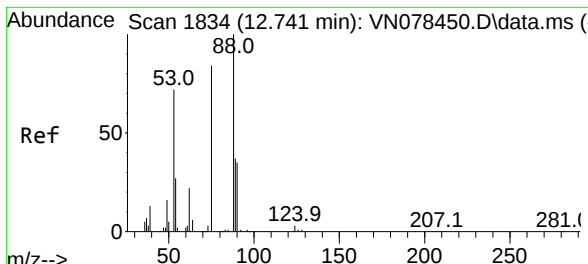
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#80
1,3,5-Trimethylbenzene
Concen: 21.486 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

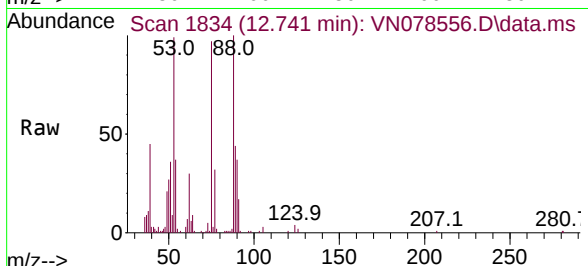
Tgt Ion:105 Resp: 454764
Ion Ratio Lower Upper
105 100
120 48.8 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 19.112 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

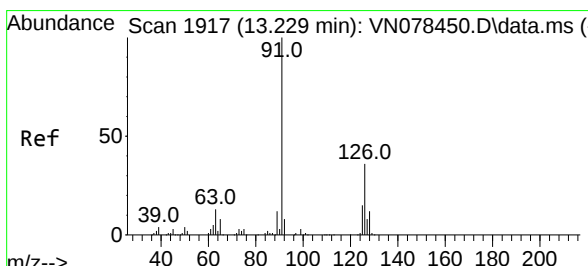
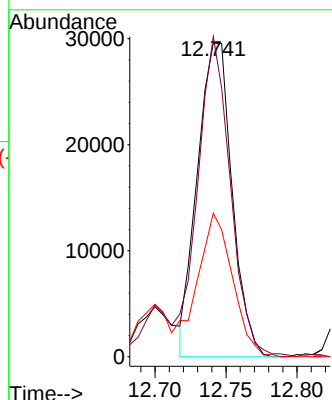
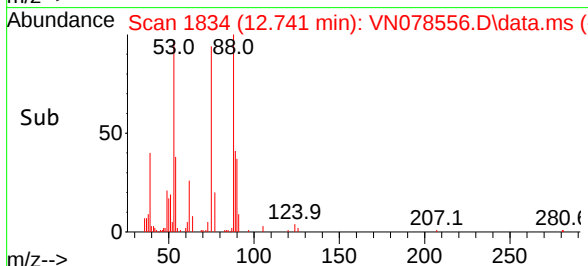
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion: 75 Resp: 50110
Ion Ratio Lower Upper
75 100
53 97.1 67.4 101.2
89 47.0 38.8 58.2

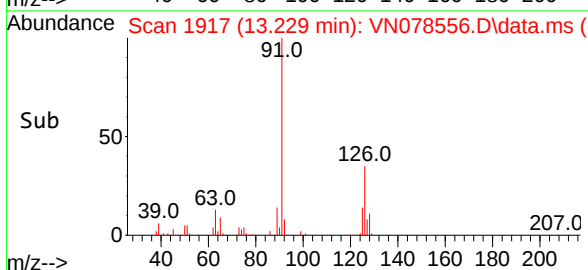
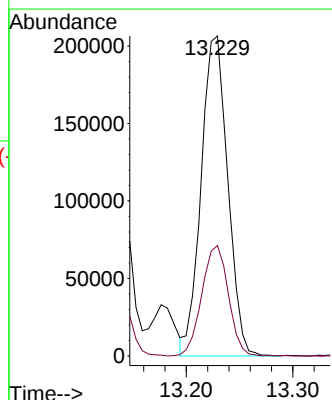
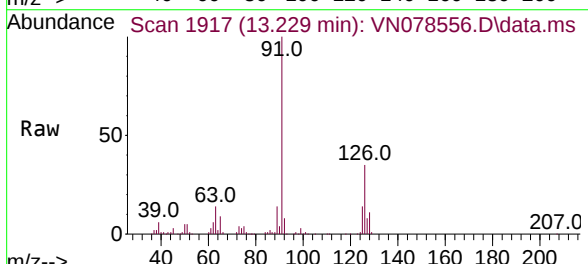
Manual Integrations
APPROVED

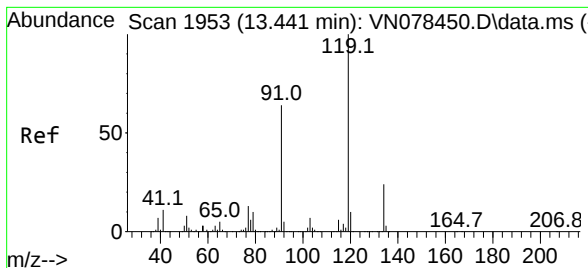
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#82
4-Chlorotoluene
Concen: 20.484 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

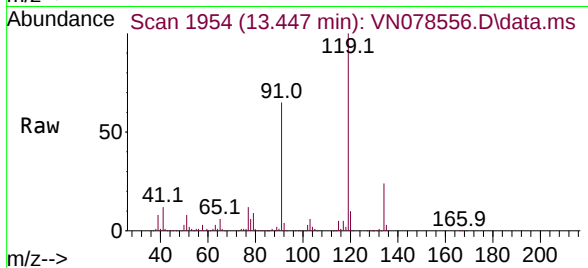
Tgt Ion: 91 Resp: 358564
Ion Ratio Lower Upper
91 100
126 34.4 16.7 50.0





#83
tert-Butylbenzene
Concen: 21.541 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

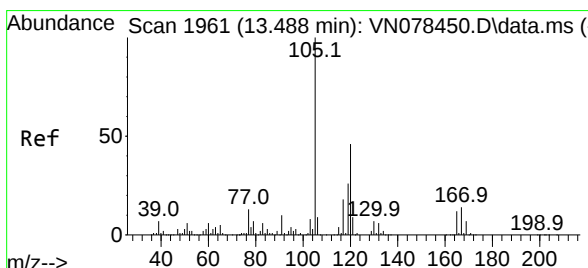
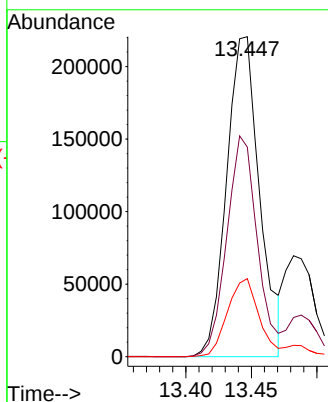
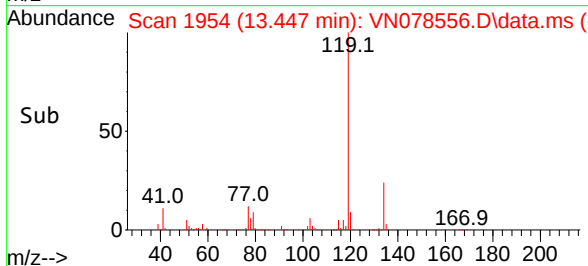
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



Tgt Ion:119 Resp: 387070
Ion Ratio Lower Upper
119 100
91 63.9 33.9 101.7
134 23.8 13.2 39.6

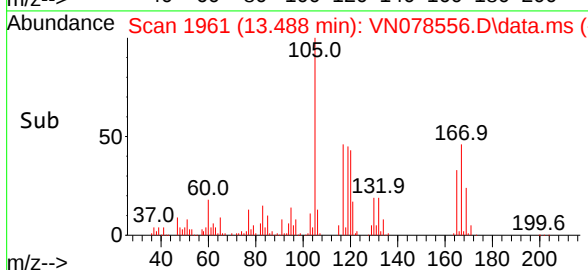
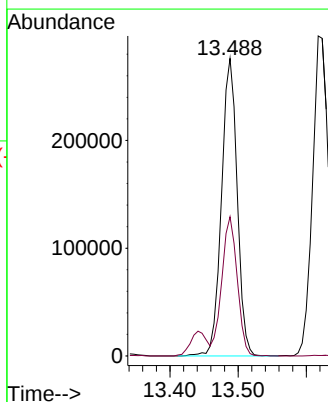
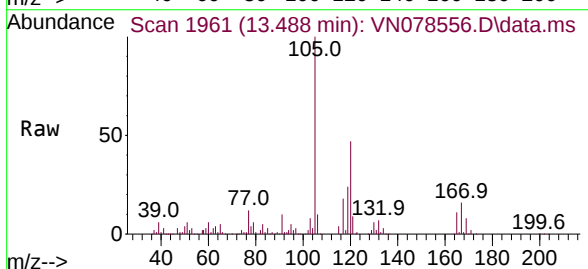
Manual Integrations
APPROVED

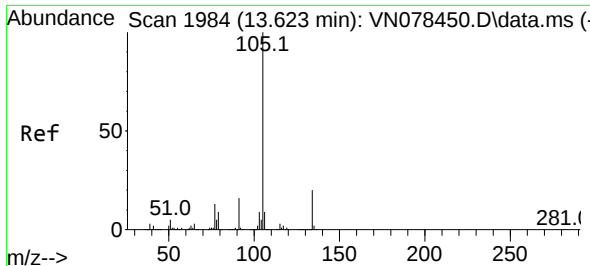
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#84
1,2,4-Trimethylbenzene
Concen: 21.550 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

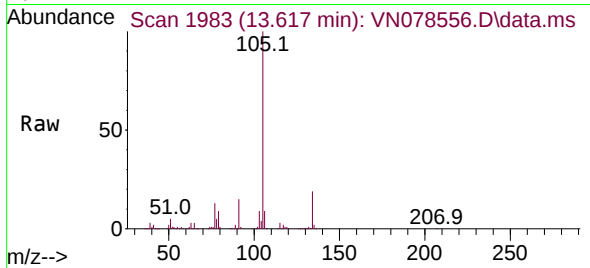
Tgt Ion:105 Resp: 443044
Ion Ratio Lower Upper
105 100
120 46.0 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 21.378 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN078556.D
 Acq: 18 Jul 2023 13:13

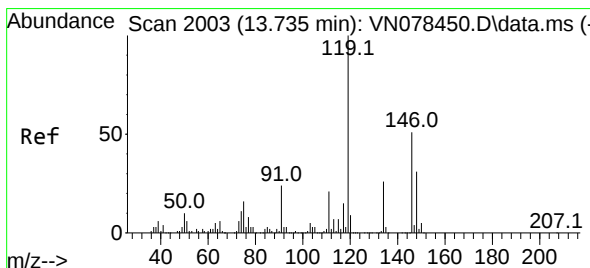
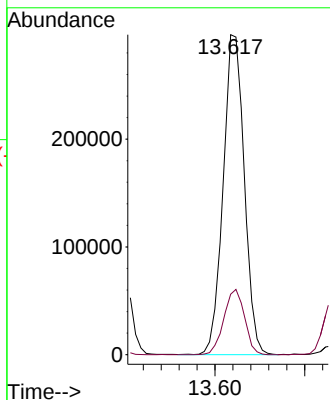
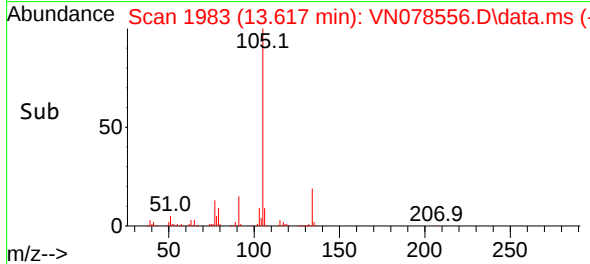
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02



Tgt Ion:105 Resp: 485564
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.3

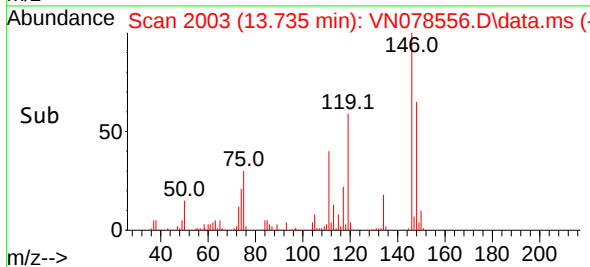
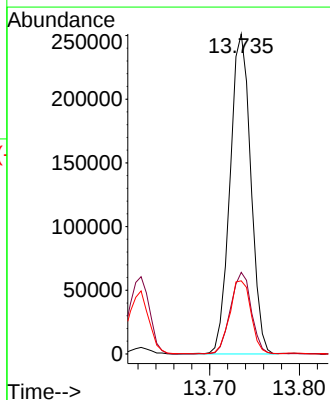
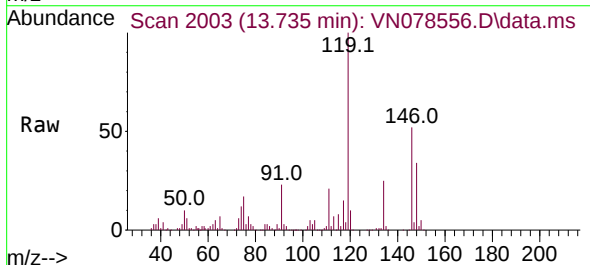
Manual Integrations
 APPROVED

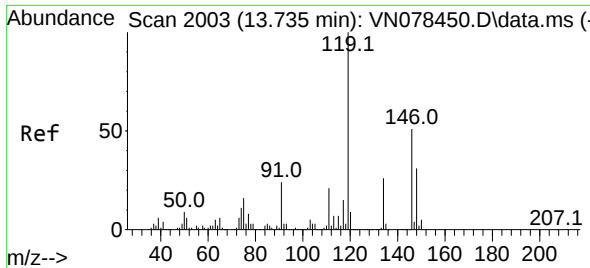
Reviewed By :John Carlone 07/19/2023
 Supervised By :Mahesh Dadoda 07/19/2023



#86
 p-Isopropyltoluene
 Concen: 22.121 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078556.D
 Acq: 18 Jul 2023 13:13

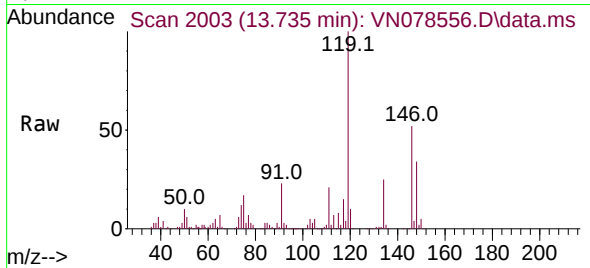
Tgt Ion:119 Resp: 403437
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.6 37.8
 91 23.5 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 21.388 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

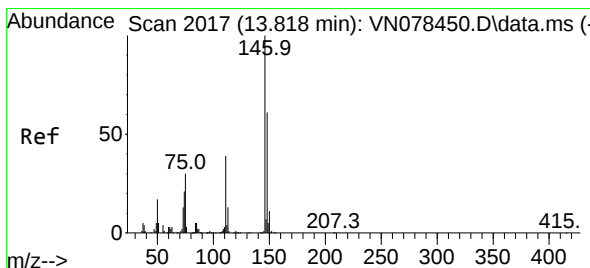
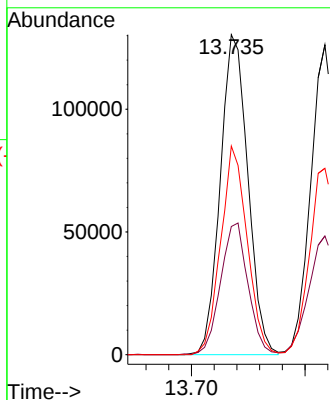
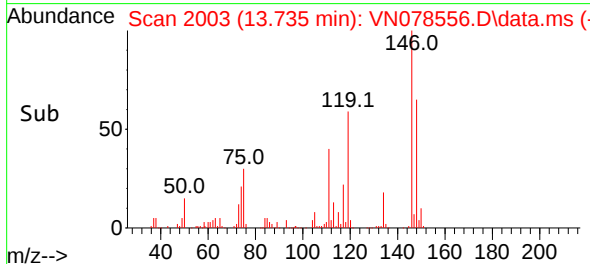
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



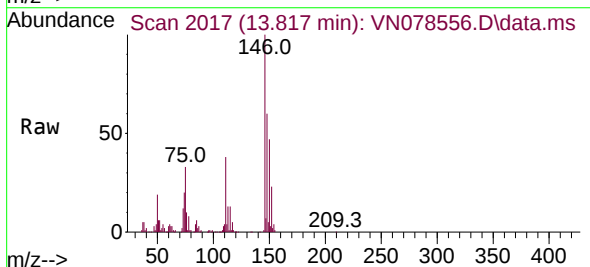
Tgt Ion:146 Resp: 219940
Ion Ratio Lower Upper
146 100
111 41.0 22.1 66.3
148 62.6 32.0 96.0

Manual Integrations
APPROVED

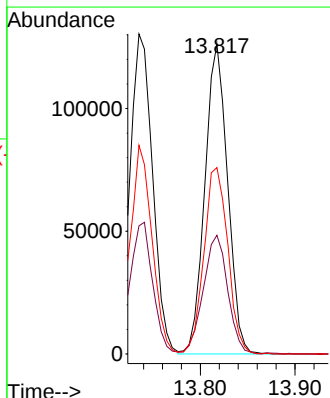
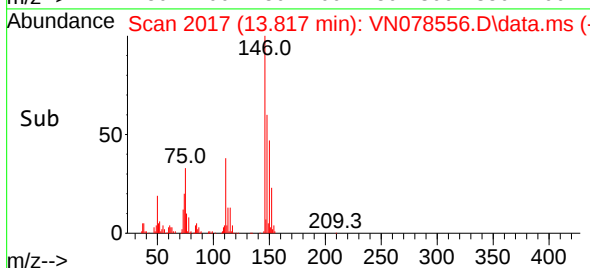
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

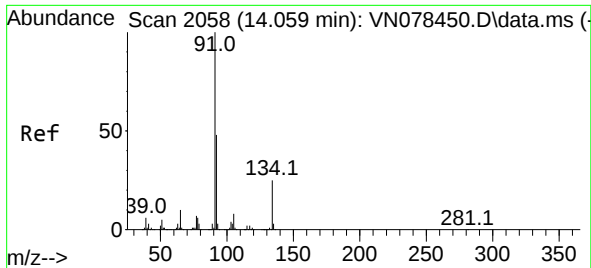


#88
1,4-Dichlorobenzene
Concen: 20.289 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



Tgt Ion:146 Resp: 210155
Ion Ratio Lower Upper
146 100
111 40.9 20.6 61.8
148 63.2 31.6 94.8





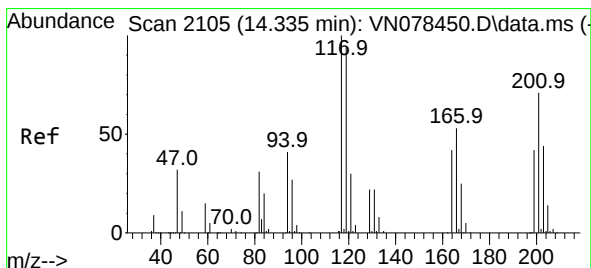
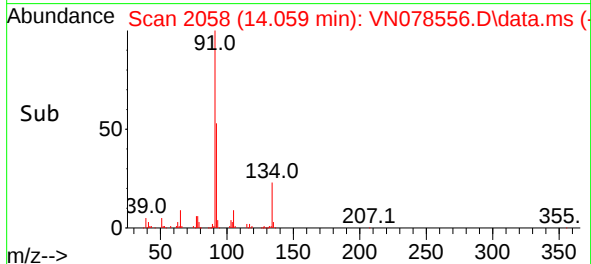
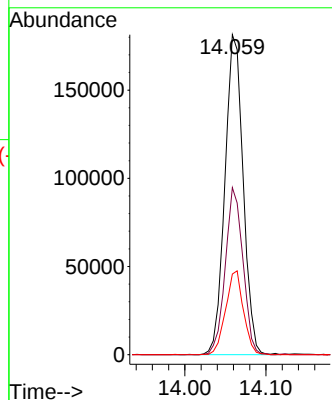
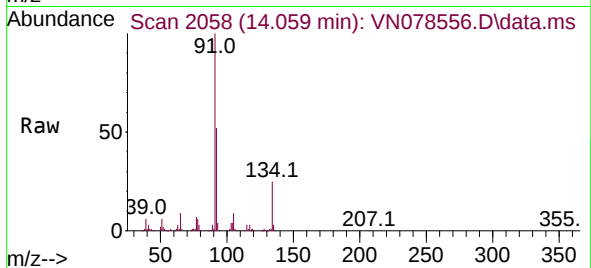
#89
n-Butylbenzene
Concen: 21.739 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tgt Ion: 91 Resp: 28368
Ion Ratio Lower Upper
91 100
92 50.5 26.4 79.0
134 25.5 12.6 37.6

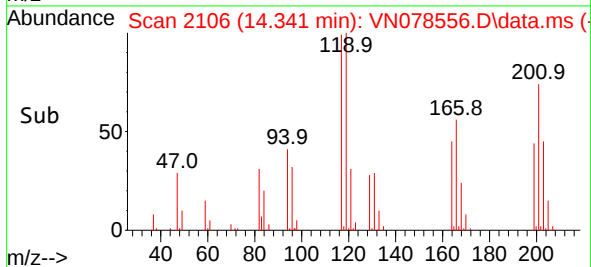
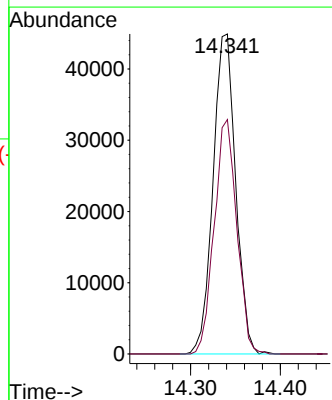
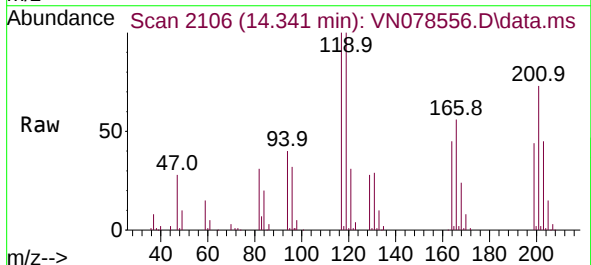
Manual Integrations
APPROVED

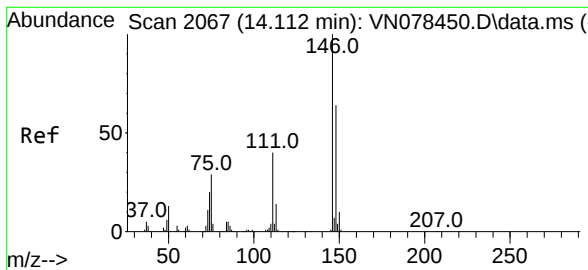
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#90
Hexachloroethane
Concen: 23.024 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

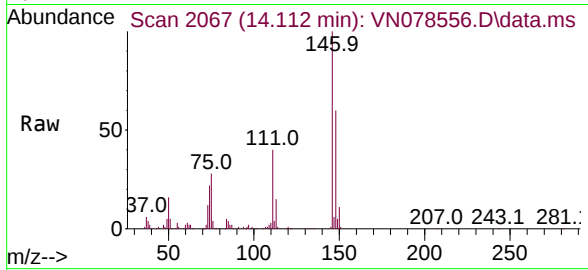
Tgt Ion:117 Resp: 78655
Ion Ratio Lower Upper
117 100
201 73.2 29.3 88.0





#91
1,2-Dichlorobenzene
Concen: 21.213 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

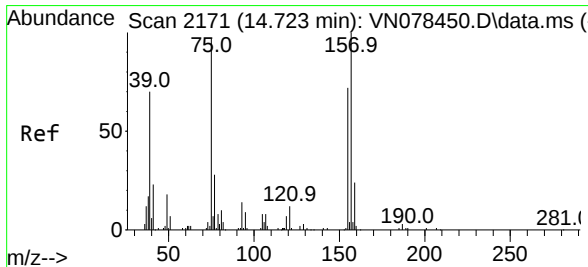
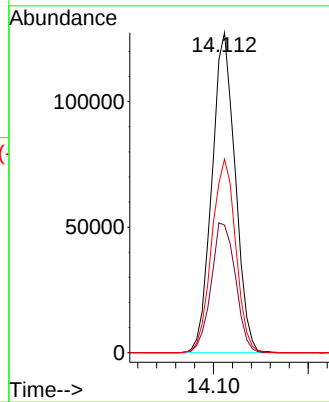
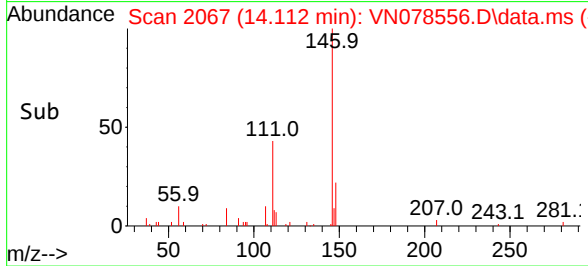
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



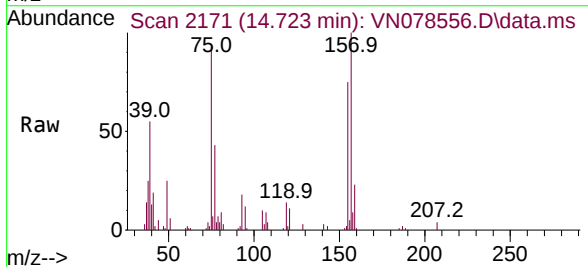
Tgt Ion:146 Resp: 217094
Ion Ratio Lower Upper
146 100
111 42.5 22.0 66.0
148 62.4 31.8 95.3

Manual Integrations
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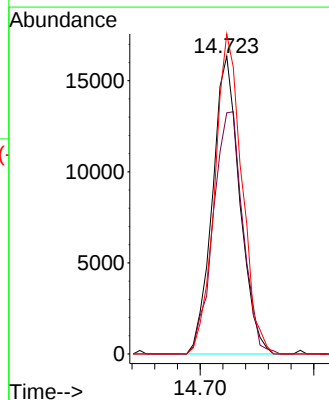
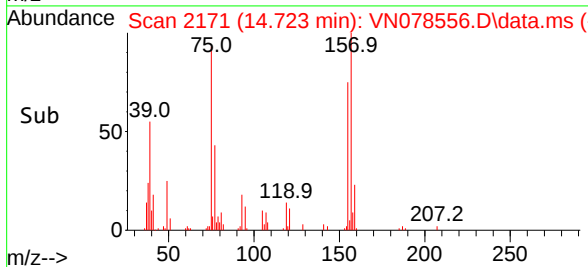
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

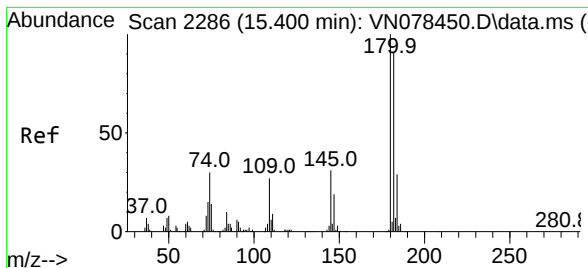


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.115 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



Tgt Ion: 75 Resp: 27267
Ion Ratio Lower Upper
75 100
155 88.3 39.1 117.2
157 106.7 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 16.818 ug/l

RT: 15.394 min Scan# 2286

Delta R.T. -0.006 min

Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

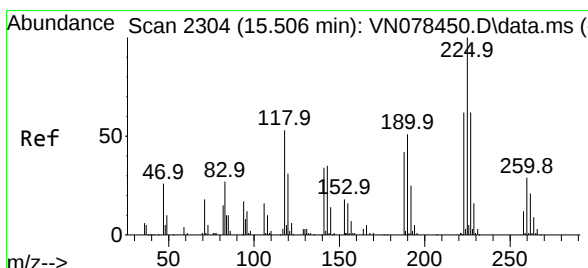
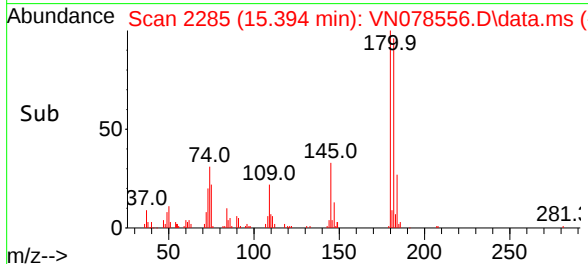
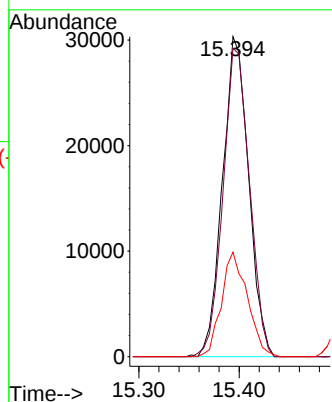
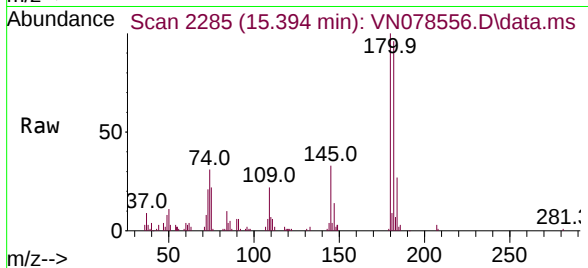
Tgt Ion:180	Resp:	5493
Ion Ratio	Lower	Upper
180	100	
182	97.4	46.1 138.2
145	32.4	16.6 49.8

Manual Integrations

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Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#94

Hexachlorobutadiene

Concen: 20.686 ug/l

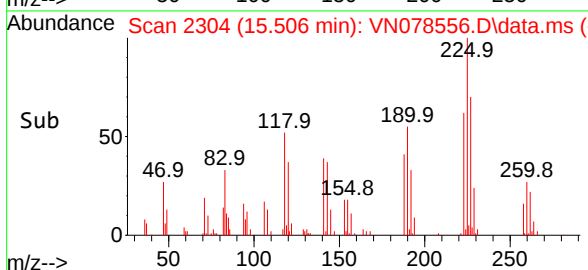
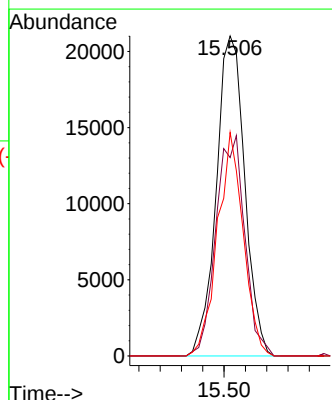
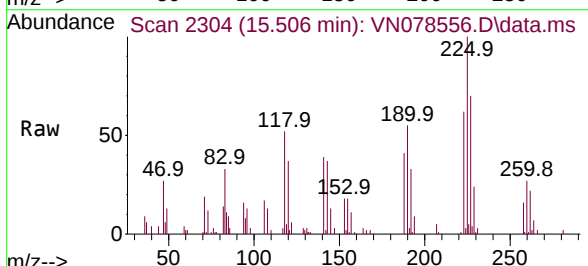
RT: 15.506 min Scan# 2304

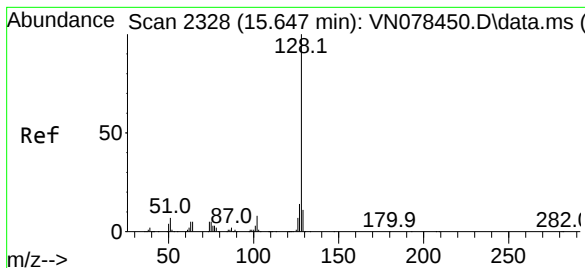
Delta R.T. -0.000 min

Lab File: VN078556.D

Acq: 18 Jul 2023 13:13

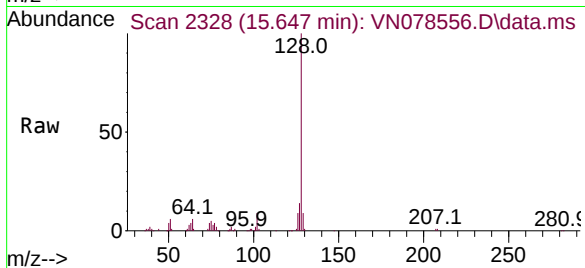
Tgt Ion:225	Resp:	39052
Ion Ratio	Lower	Upper
225	100	
223	69.6	31.3 93.8
227	63.1	31.9 95.9





#95
Naphthalene
Concen: 14.892 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13

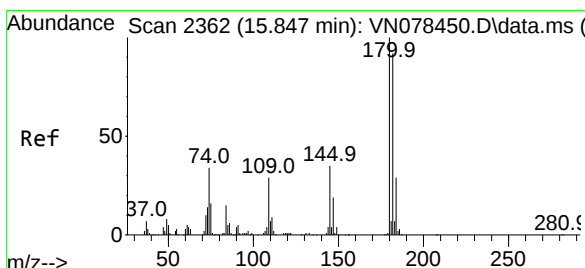
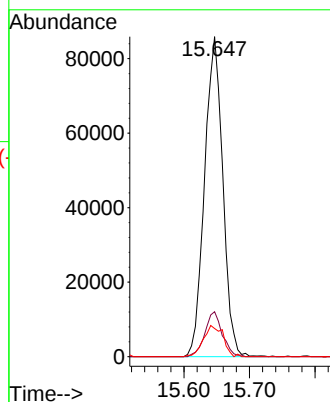
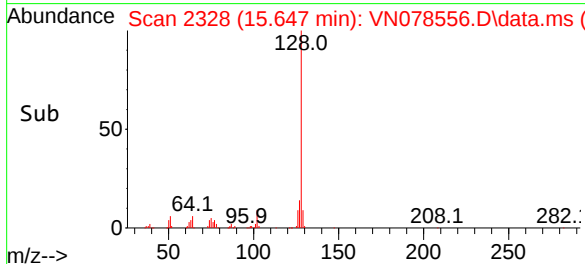
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02



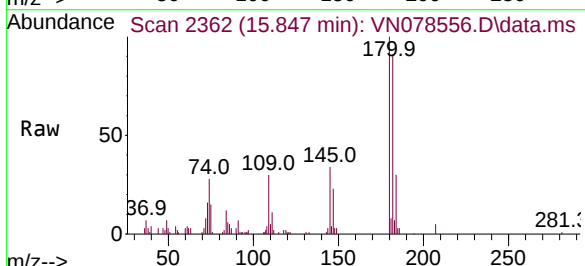
Tgt Ion:128 Resp: 166279
Ion Ratio Lower Upper
128 100
127 13.4 10.0 15.0
129 10.6 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#96
1,2,3-Trichlorobenzene
Concen: 17.304 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN078556.D
Acq: 18 Jul 2023 13:13



Tgt Ion:180 Resp: 64988
Ion Ratio Lower Upper
180 100
182 97.8 46.2 138.6
145 33.1 17.5 52.6

