

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014736.D
 Acq On : 21 Jul 2023 10:58
 Operator : SY/MD
 Sample : VY0721SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0721SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

Quant Time: Jul 22 05:32:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	250335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	410840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	364403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	187104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	148494	52.054	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.100%			
35) Dibromofluoromethane	7.716	113	138612	53.000	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.000%			
50) Toluene-d8	10.179	98	488781	50.692	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.483	95	185882	50.277	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45505	22.312	ug/l	97
3) Chloromethane	2.113	50	54014	23.560	ug/l	96
4) Vinyl Chloride	2.247	62	63732	24.874	ug/l	97
5) Bromomethane	2.625	94	44834	26.478	ug/l	95
6) Chloroethane	2.784	64	40163	25.094	ug/l	98
7) Trichlorofluoromethane	3.113	101	92908	21.590	ug/l	100
8) Diethyl Ether	3.534	74	33808	21.115	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	55014	20.858	ug/l	95
10) Methyl Iodide	4.082	142	55784	21.375	ug/l	96
11) Tert butyl alcohol	4.948	59	106867	173.865	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	50863	20.633	ug/l	88
13) Acrolein	3.729	56	28335	95.033	ug/l	99
14) Allyl chloride	4.473	41	82881	18.935	ug/l	97
15) Acrylonitrile	5.161	53	99484	112.677	ug/l	99
16) Acetone	3.948	43	96241	106.464	ug/l	95
17) Carbon Disulfide	4.192	76	141311	20.022	ug/l	97
18) Methyl Acetate	4.479	43	79006	22.775	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	167650	20.936	ug/l	98
20) Methylene Chloride	4.710	84	65864	19.885	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	57000	20.375	ug/l	92
22) Diisopropyl ether	6.119	45	173828	19.534	ug/l	94
23) Vinyl Acetate	6.058	43	536626	100.768	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	100813	19.799	ug/l	95
25) 2-Butanone	6.984	43	148898	112.588	ug/l	97
26) 2,2-Dichloropropane	6.978	77	99552	20.514	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	66866	20.534	ug/l	97
28) Bromochloromethane	7.332	49	48992	22.341	ug/l	92
29) Tetrahydrofuran	7.350	42	91346	112.172	ug/l	90
30) Chloroform	7.509	83	106507	20.284	ug/l	94
31) Cyclohexane	7.783	56	90392	19.088	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	97068	20.540	ug/l	98
36) 1,1-Dichloropropene	7.917	75	79122	20.230	ug/l	100
37) Ethyl Acetate	7.076	43	61226	22.737	ug/l #	95
38) Carbon Tetrachloride	7.899	117	86315	20.877	ug/l	96
39) Methylcyclohexane	9.185	83	101759	19.971	ug/l	92
40) Benzene	8.161	78	226705	20.381	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	29423m	21.243	ug/l	
42) 1,2-Dichloroethane	8.234	62	74242	21.077	ug/l	95
43) Isopropyl Acetate	8.277	43	108813	21.213	ug/l	96
44) Trichloroethene	8.941	130	65120	20.924	ug/l	100
45) 1,2-Dichloropropane	9.216	63	58446	20.122	ug/l	98
46) Dibromomethane	9.301	93	38034	21.585	ug/l	97
47) Bromodichloromethane	9.496	83	86368	20.797	ug/l	100
48) Methyl methacrylate	9.289	41	49886	21.613	ug/l	94
49) 1,4-Dioxane	9.301	88	13645	474.907	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	300635	111.626	ug/l	93
52) Toluene	10.246	92	148283	20.833	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	91042	20.041	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	100305	20.305	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	52371	21.337	ug/l	93
56) Ethyl methacrylate	10.508	69	79093	21.105	ug/l	90
57) 1,3-Dichloropropane	10.788	76	90068	21.275	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	196915	112.770	ug/l	93
59) 2-Hexanone	10.831	43	221966	113.015	ug/l	91
60) Dibromochloromethane	10.984	129	64145	21.315	ug/l	100
61) 1,2-Dibromoethane	11.087	107	53066	21.672	ug/l	100
64) Tetrachloroethene	10.721	164	63358	21.618	ug/l	97
65) Chlorobenzene	11.514	112	160680	20.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	61237	20.915	ug/l	99
67) Ethyl Benzene	11.593	91	286249	20.417	ug/l	98
68) m/p-Xylenes	11.703	106	219826	41.074	ug/l	97
69) o-Xylene	12.026	106	108513	20.817	ug/l	96
70) Styrene	12.044	104	184230	20.969	ug/l	97
71) Bromoform	12.209	173	43522	21.930	ug/l #	98
73) Isopropylbenzene	12.331	105	286458	19.553	ug/l	100
74) N-amyl acetate	12.142	43	98931	20.163	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	69545	20.816	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	52878m	22.377	ug/l	
77) Bromobenzene	12.605	156	68961	20.621	ug/l	97
78) n-propylbenzene	12.672	91	341533	19.346	ug/l	100
79) 2-Chlorotoluene	12.758	91	195593	19.236	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	240203	19.632	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	24450	20.033	ug/l	96
82) 4-Chlorotoluene	12.855	91	203119	19.396	ug/l	99
83) tert-Butylbenzene	13.075	119	209641	19.316	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	238664	19.876	ug/l	99
85) sec-Butylbenzene	13.251	105	315106	19.792	ug/l	99
86) p-Isopropyltoluene	13.367	119	259659	19.975	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	132852	20.412	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	133783	20.512	ug/l	98
89) n-Butylbenzene	13.696	91	245421	19.406	ug/l	96
90) Hexachloroethane	13.959	117	50426	18.886	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	123090	20.642	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13211	20.677	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	76765	20.279	ug/l	98
94) Hexachlorobutadiene	15.111	225	41743	20.067	ug/l	97
95) Naphthalene	15.233	128	185517	21.036	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	68423	20.338	ug/l	98

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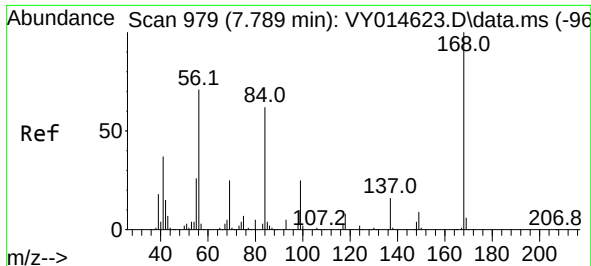
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

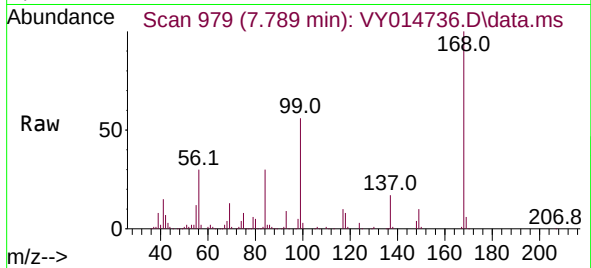
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
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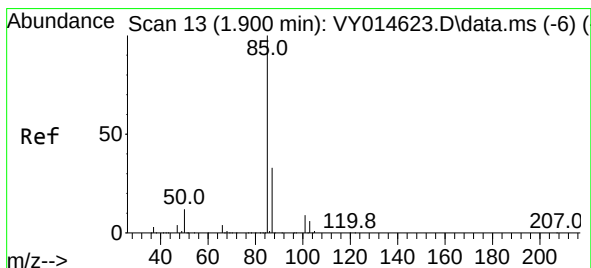
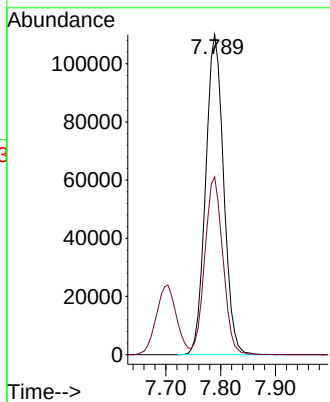
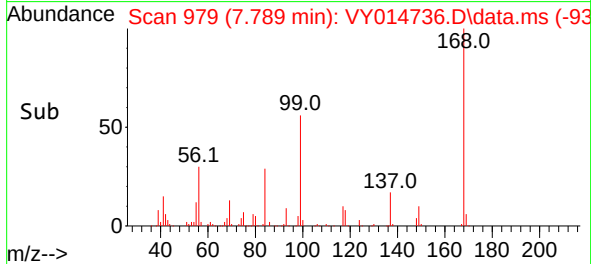
Instrument :
MSVOA_Y
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Tgt Ion:168 Resp: 25033
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0

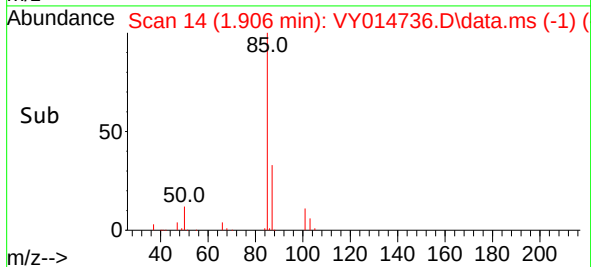
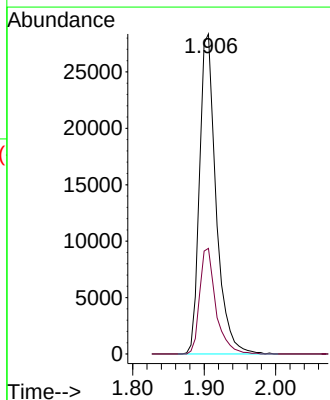
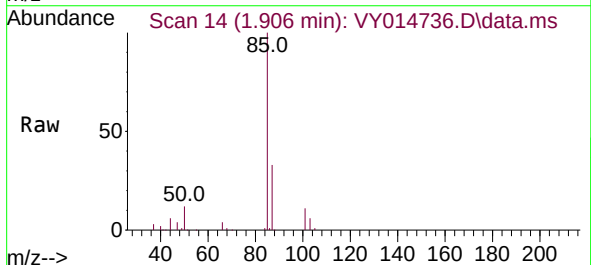
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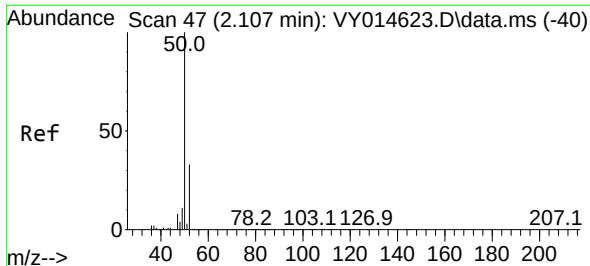
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#2
Dichlorodifluoromethane
Concen: 22.312 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion: 85 Resp: 45505
Ion Ratio Lower Upper
85 100
87 33.0 15.6 46.8





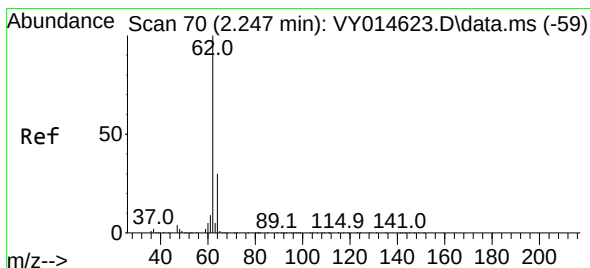
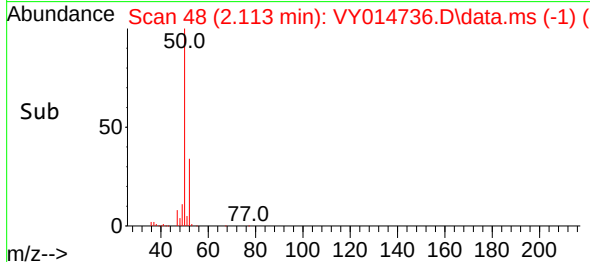
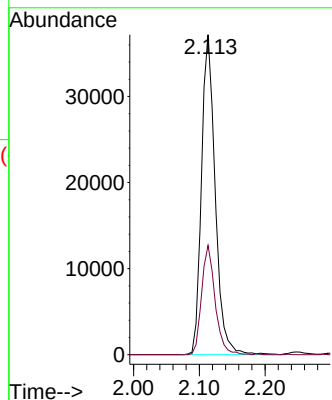
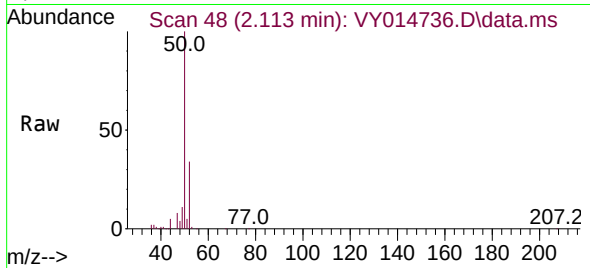
#3
Chloromethane
Concen: 23.560 ug/l
RT: 2.113 min Scan# 47
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

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Tgt Ion: 50 Resp: 54014
Ion Ratio Lower Upper
50 100
52 34.1 25.4 38.2

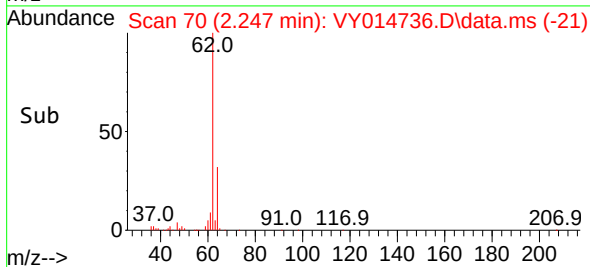
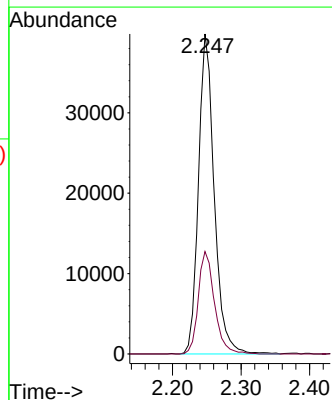
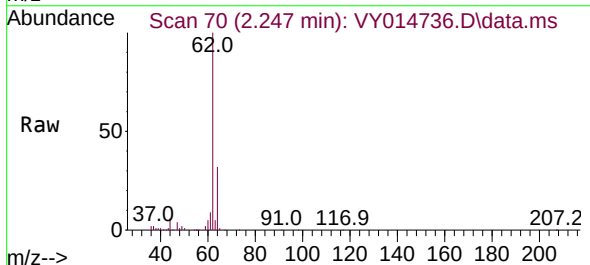
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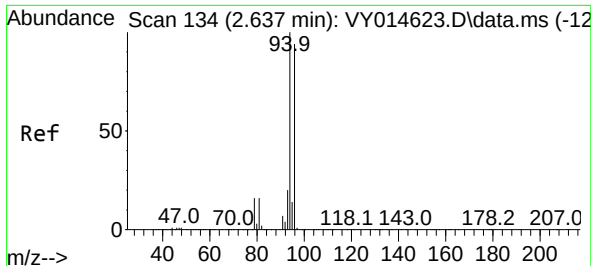
Reviewed By :John Carlone 07/24/2023
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#4
Vinyl Chloride
Concen: 24.874 ug/l
RT: 2.247 min Scan# 70
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion: 62 Resp: 63732
Ion Ratio Lower Upper
62 100
64 32.0 24.3 36.5





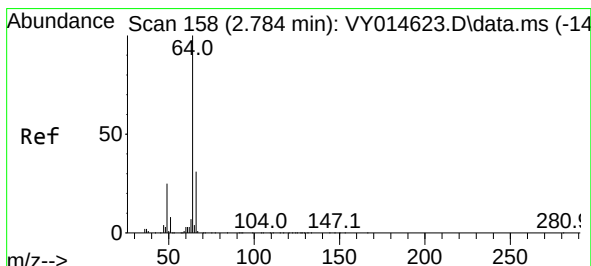
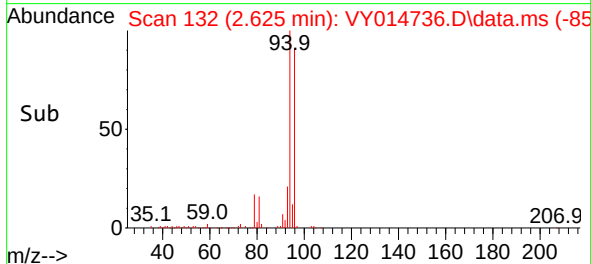
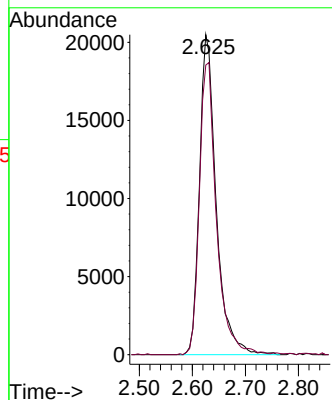
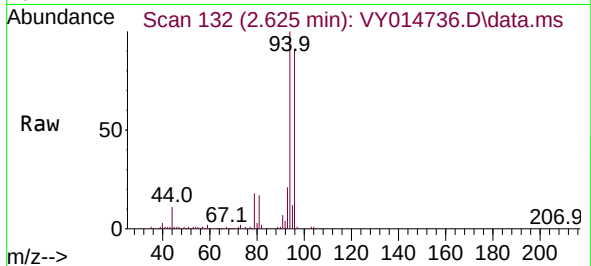
#5
Bromomethane
Concen: 26.478 ug/l
RT: 2.625 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY014736.D
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Tgt Ion: 94 Resp: 44834
Ion Ratio Lower Upper
94 100
96 90.2 75.8 113.6

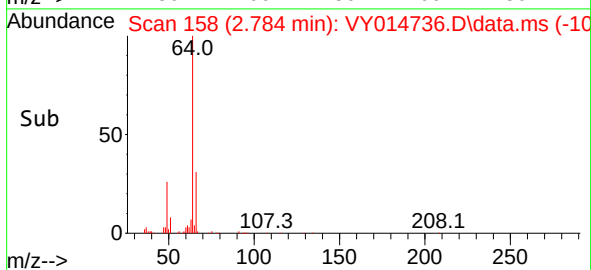
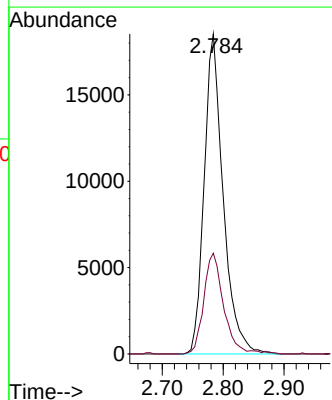
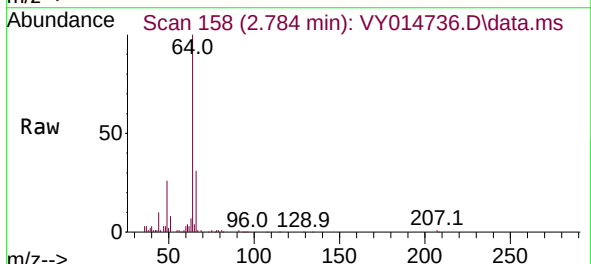
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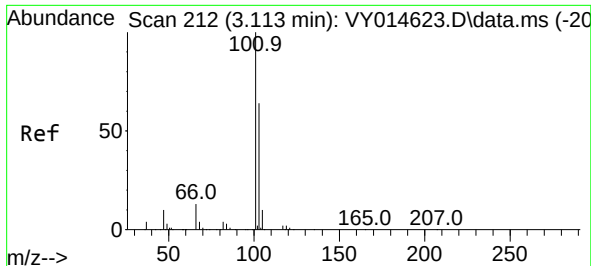
Reviewed By :John Carlone 07/24/2023
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#6
Chloroethane
Concen: 25.094 ug/l
RT: 2.784 min Scan# 158
Delta R.T. -0.000 min
Lab File: VY014736.D
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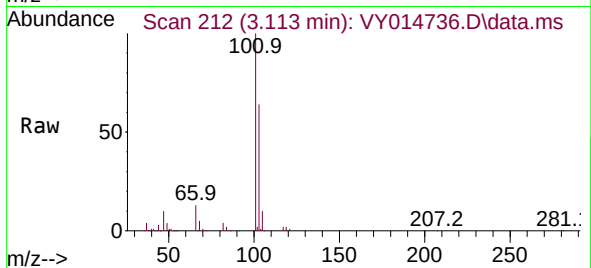
Tgt Ion: 64 Resp: 40163
Ion Ratio Lower Upper
64 100
66 31.5 24.4 36.6





#7
Trichlorofluoromethane
Concen: 21.590 ug/l
RT: 3.113 min Scan# 212
Delta R.T. 0.000 min
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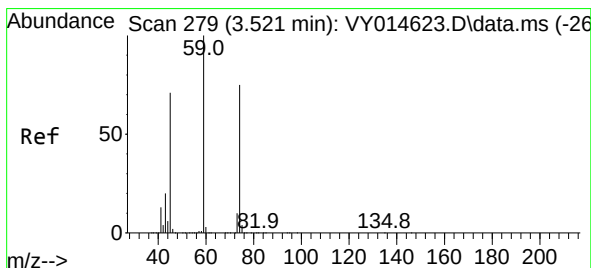
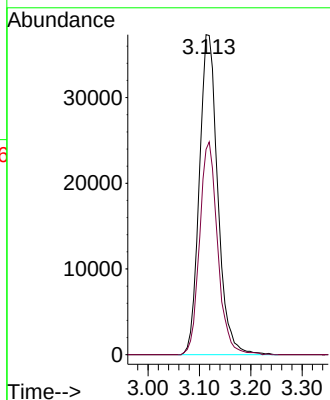
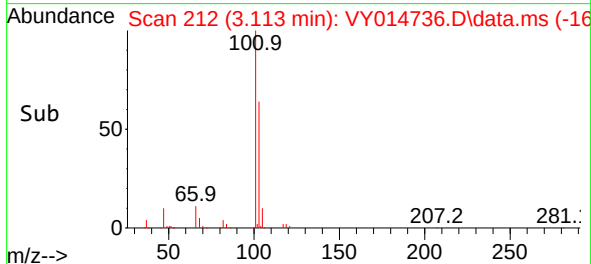
Instrument :
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Tgt Ion:101 Resp: 92908
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0

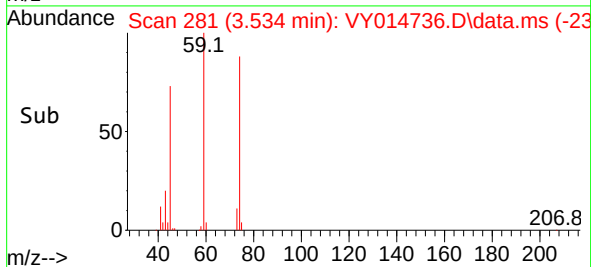
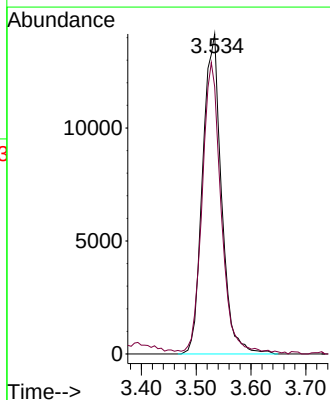
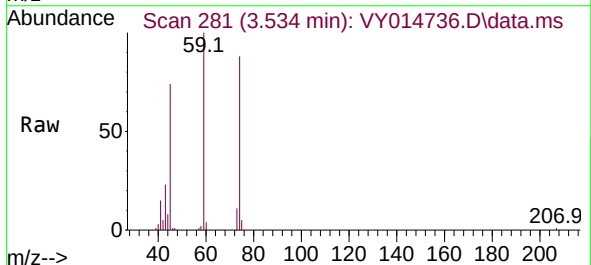
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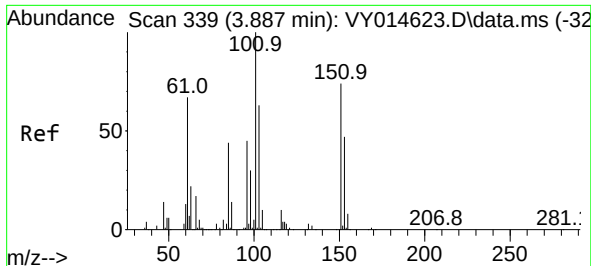
Reviewed By :John Carlone 07/24/2023
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#8
Diethyl Ether
Concen: 21.115 ug/l
RT: 3.534 min Scan# 281
Delta R.T. 0.013 min
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Tgt Ion: 74 Resp: 33808
Ion Ratio Lower Upper
74 100
45 92.4 51.5 154.5





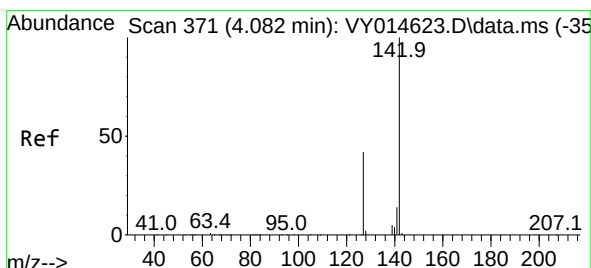
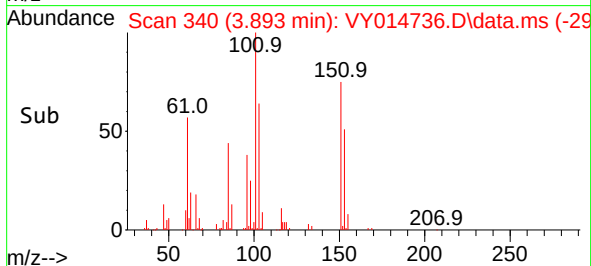
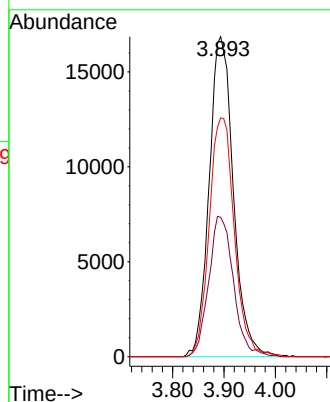
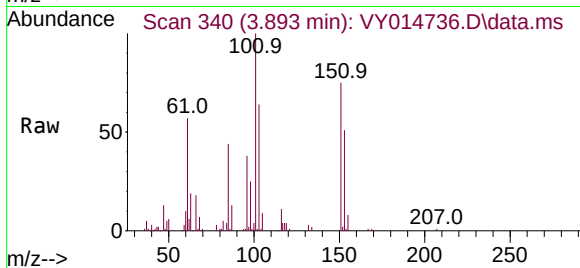
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.858 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY014736.D
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MSVOA_Y
ClientSampleId :
VY0721SBS01

Tgt Ion:101 Resp: 55014
Ion Ratio Lower Upper
101 100
85 44.8 36.6 55.0
151 77.6 67.0 100.6

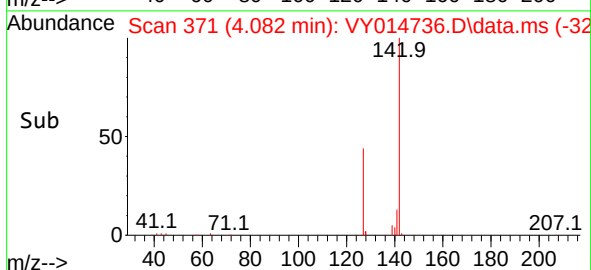
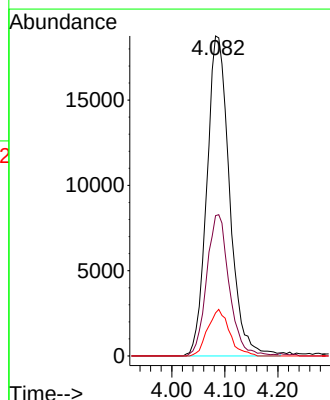
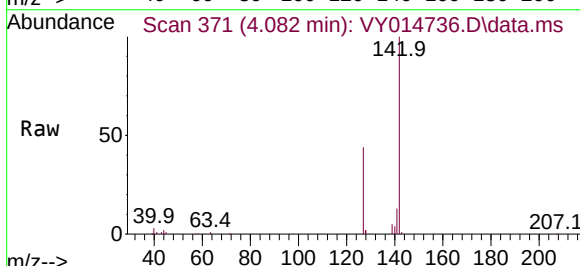
Manual Integrations
APPROVED

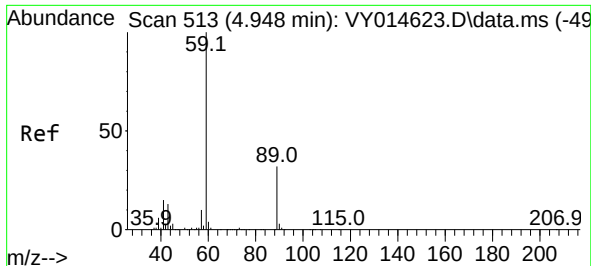
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#10
Methyl Iodide
Concen: 21.375 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion:142 Resp: 55784
Ion Ratio Lower Upper
142 100
127 43.8 37.6 56.4
141 13.9 11.8 17.8





#11

Tert butyl alcohol

Concen: 173.865 ug/l

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY014736.D

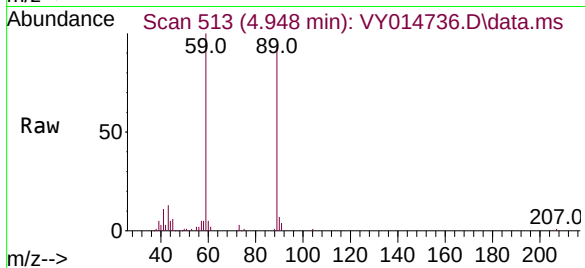
Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBSD01



Tgt Ion: 59 Resp: 10686

Ion Ratio Lower Upper

59 100

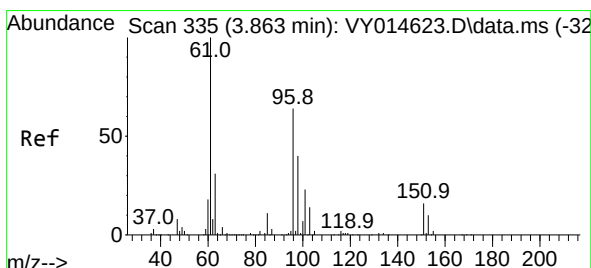
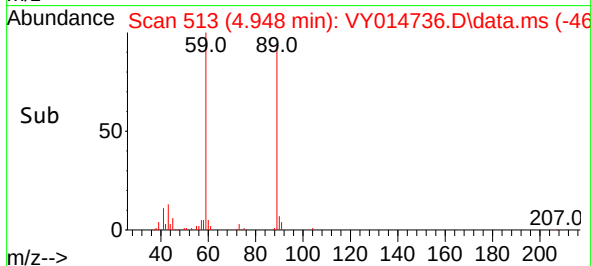
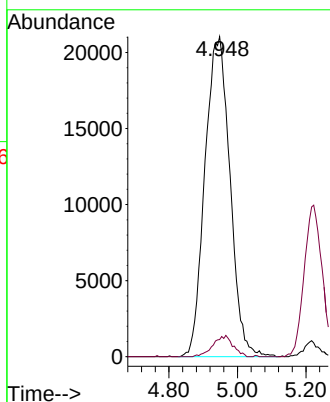
57 5.3 3.0 4.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#12

1,1-Dichloroethene

Concen: 20.633 ug/l

RT: 3.863 min Scan# 335

Delta R.T. -0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

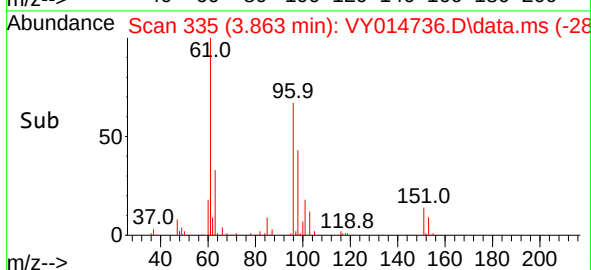
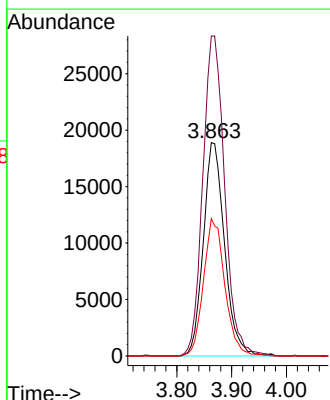
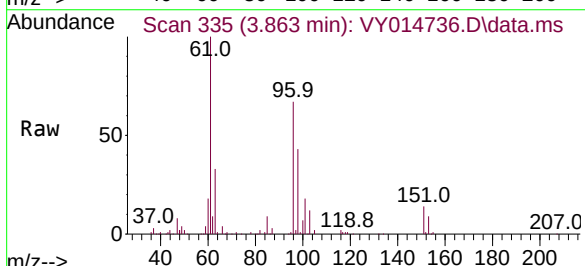
Tgt Ion: 96 Resp: 50863

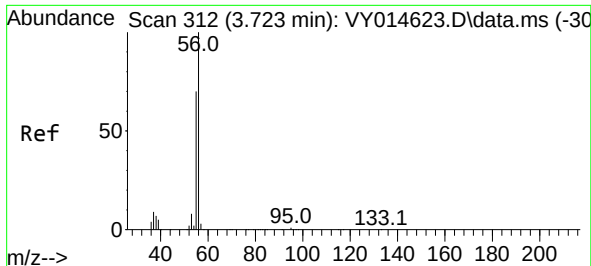
Ion Ratio Lower Upper

96 100

61 150.0 136.4 204.6

98 64.4 49.4 74.2





#13

Acrolein

Concen: 95.033 ug/l

RT: 3.729 min Scan# 312

Delta R.T. 0.006 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBS01

Tgt Ion: 56 Resp: 2833

Ion Ratio Lower Upper

56 100

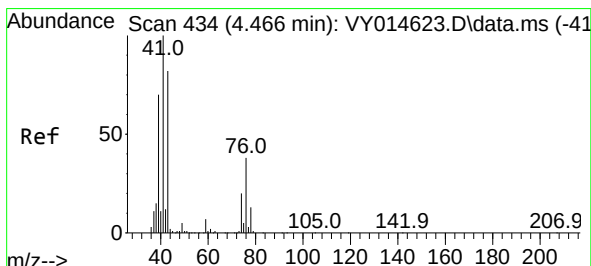
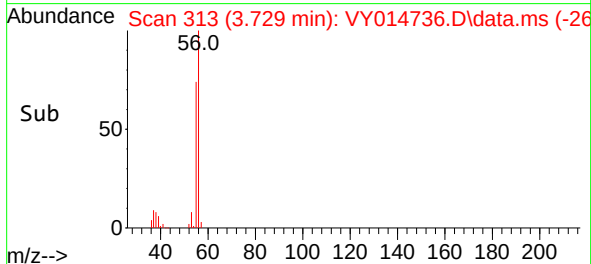
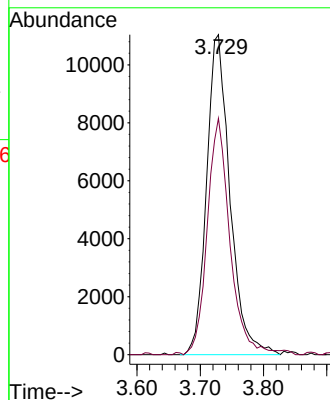
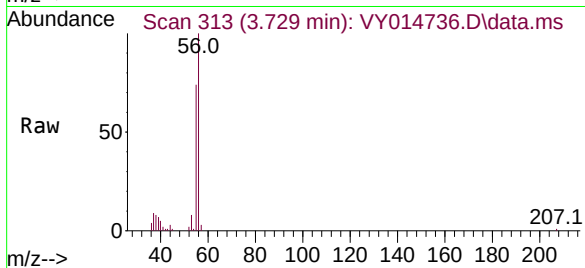
55 71.7 57.0 85.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#14

Allyl chloride

Concen: 18.935 ug/l

RT: 4.473 min Scan# 435

Delta R.T. 0.007 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

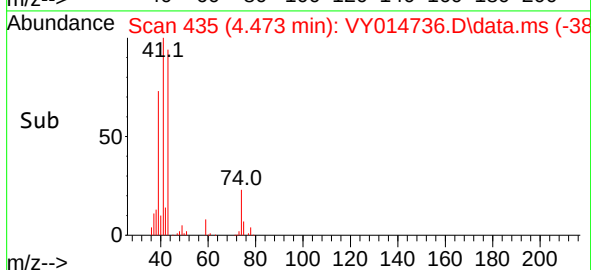
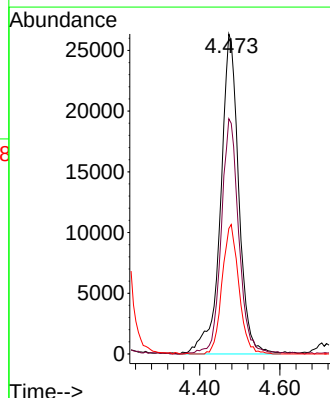
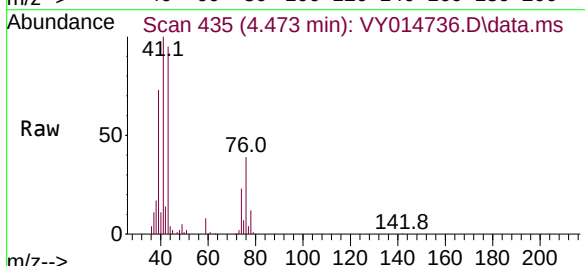
Tgt Ion: 41 Resp: 82881

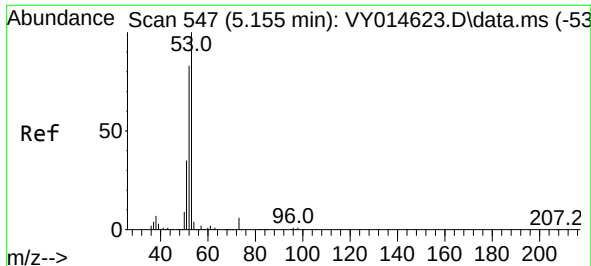
Ion Ratio Lower Upper

41 100

39 70.7 58.0 87.0

76 37.4 27.4 41.2





#15

Acrylonitrile

Concen: 112.677 ug/l

RT: 5.161 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY014736.D

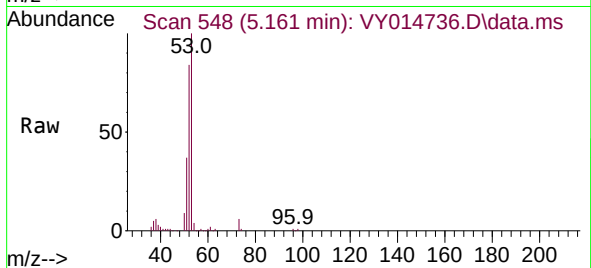
Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBSD01



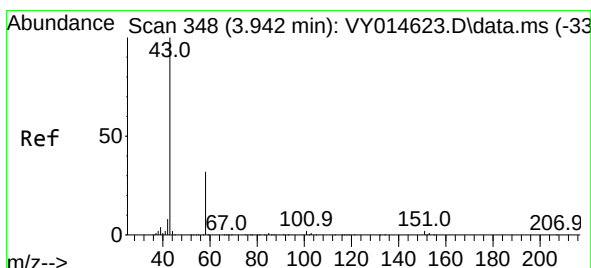
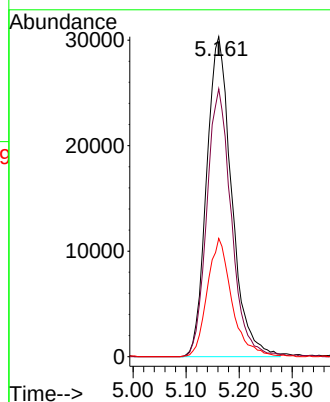
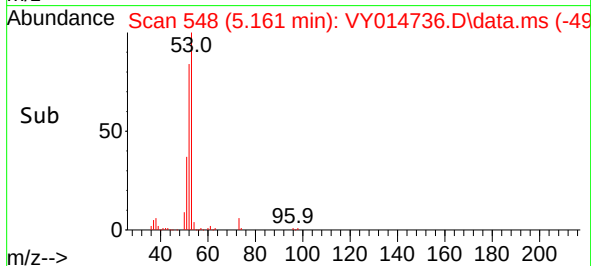
Tgt Ion: 53	Resp: 99484
Ion Ratio	Lower Upper
53	100
52	82.3 66.9 100.3
51	36.3 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#16

Acetone

Concen: 106.464 ug/l

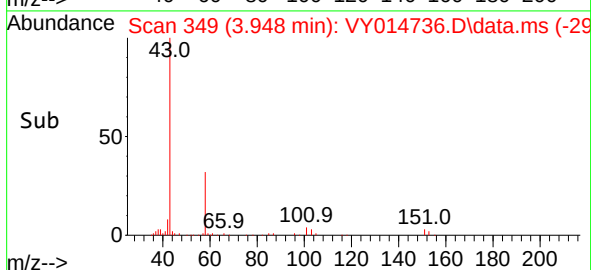
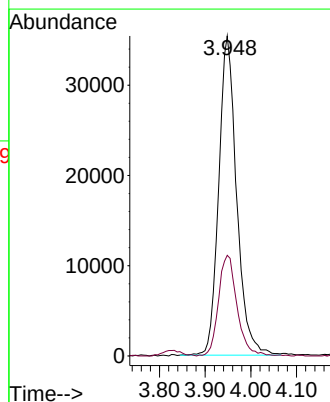
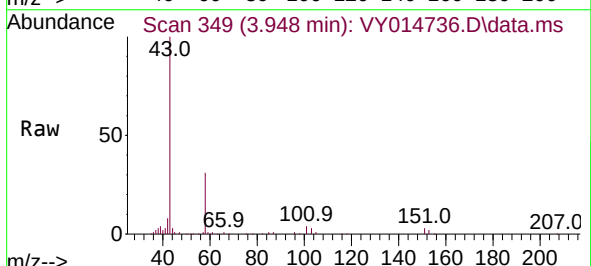
RT: 3.948 min Scan# 349

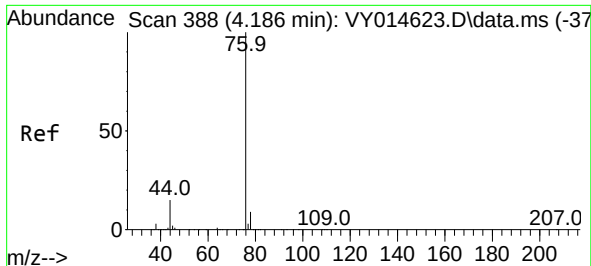
Delta R.T. 0.006 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

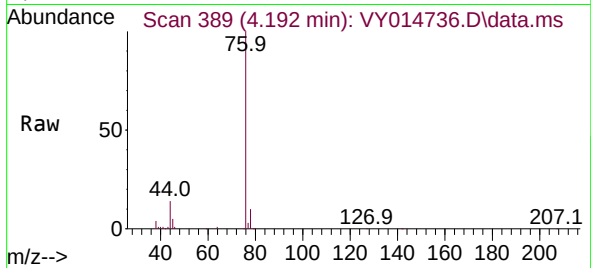
Tgt Ion: 43	Resp: 96241
Ion Ratio	Lower Upper
43	100
58	31.2 22.7 34.1





#17
Carbon Disulfide
Concen: 20.022 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

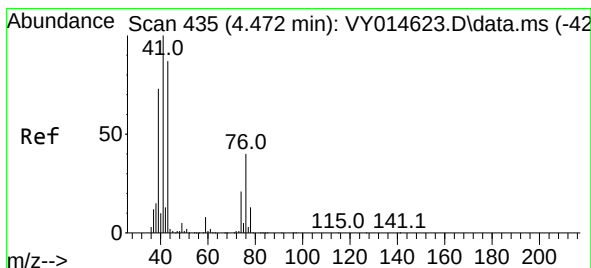
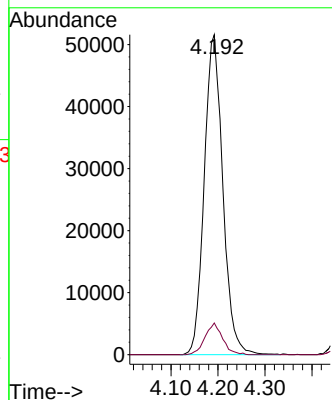
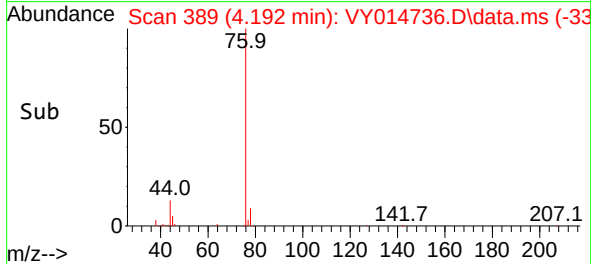
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01



Tgt Ion: 76 Resp: 14131
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4

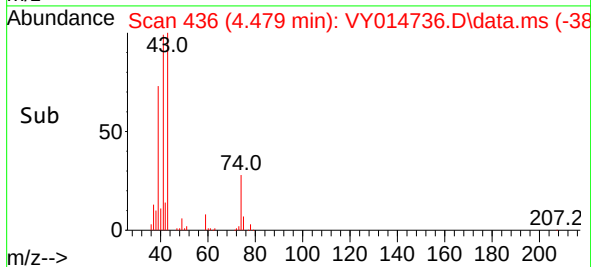
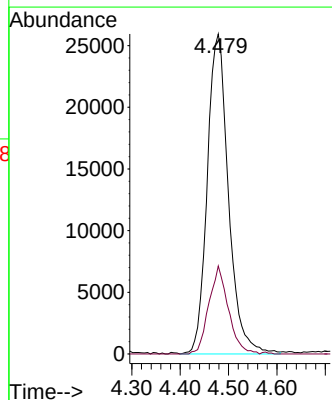
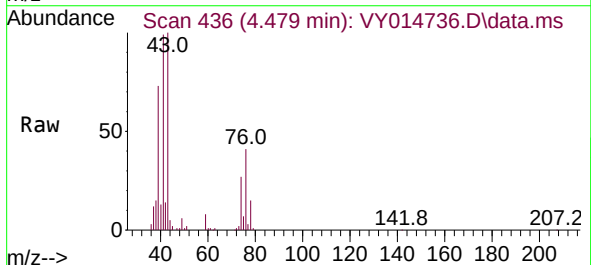
Manual Integrations
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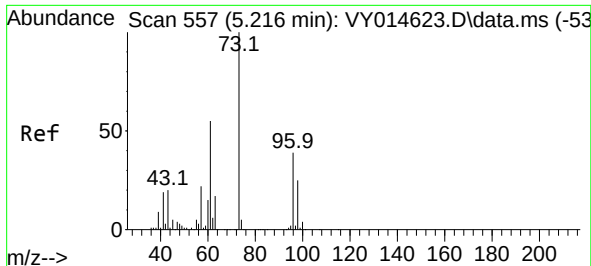
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#18
Methyl Acetate
Concen: 22.775 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.007 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

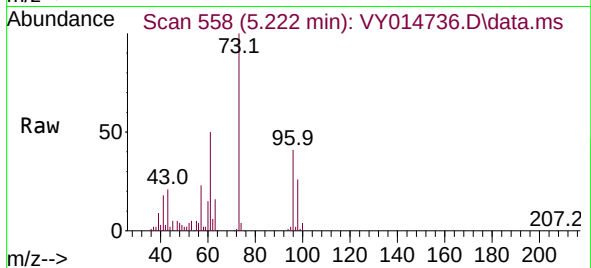
Tgt Ion: 43 Resp: 79006
Ion Ratio Lower Upper
43 100
74 25.3 17.4 26.0





#19
Methyl tert-butyl Ether
Concen: 20.936 ug/l
RT: 5.222 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

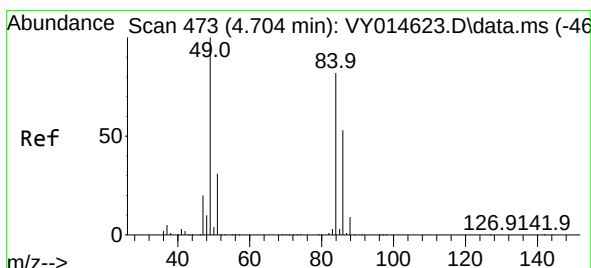
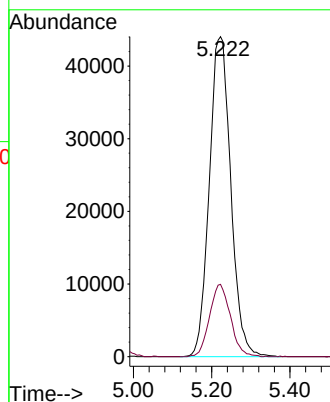
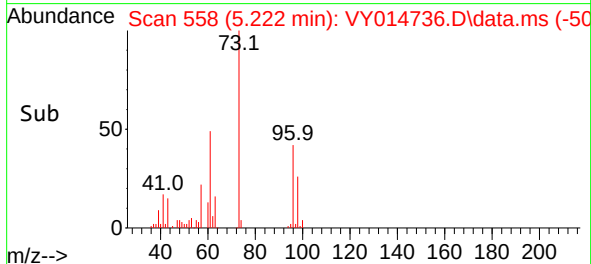
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



Tgt Ion: 73 Resp: 167650
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9

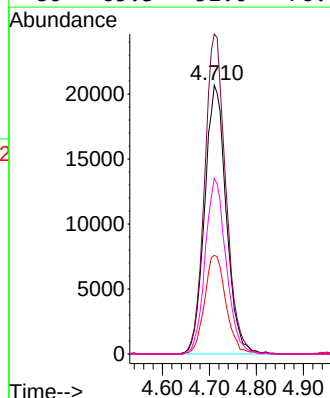
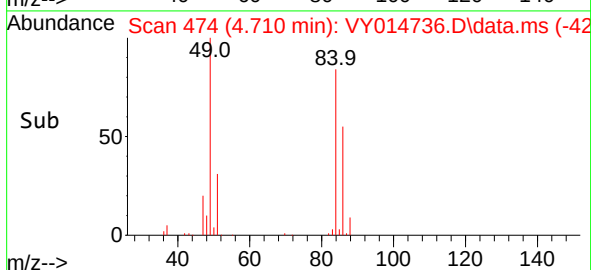
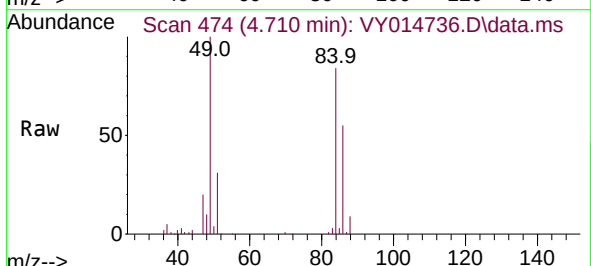
Manual Integrations
APPROVED

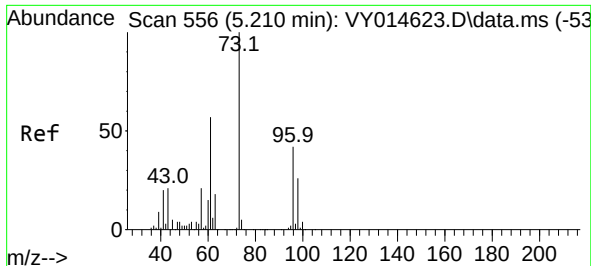
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#20
Methylene Chloride
Concen: 19.885 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

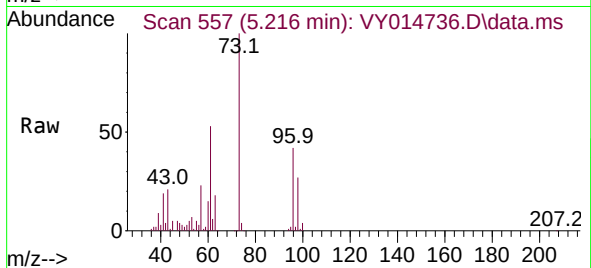
Tgt Ion: 84 Resp: 65864
Ion Ratio Lower Upper
84 100
49 119.1 106.9 160.3
51 36.7 33.2 49.8
86 65.3 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 20.375 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

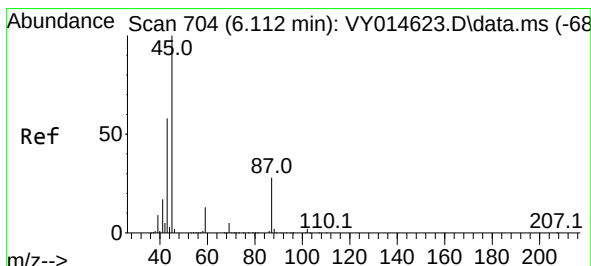
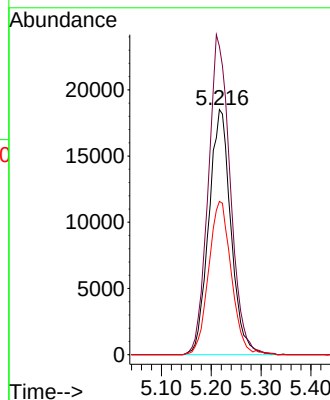
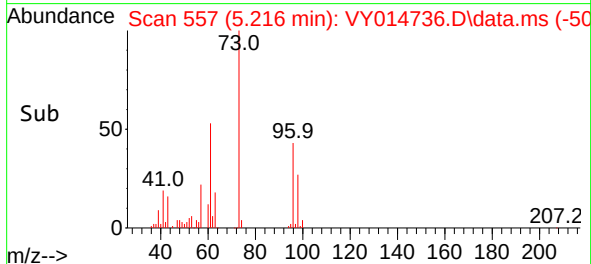
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



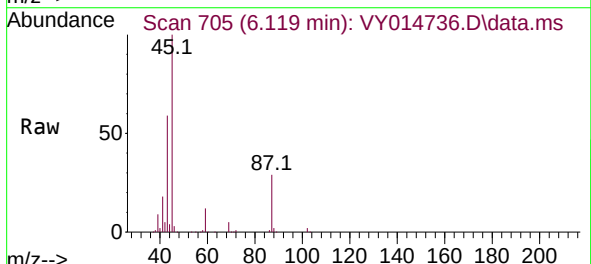
Tgt Ion: 96 Resp: 57000
Ion Ratio Lower Upper
96 100
61 125.8 110.2 165.4
98 62.5 51.8 77.6

Manual Integrations
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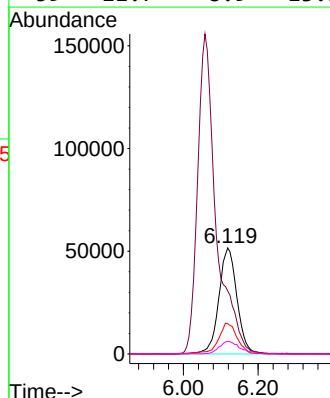
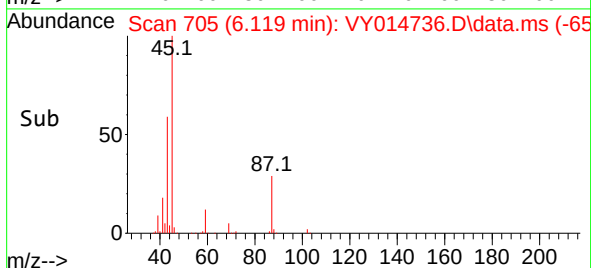
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

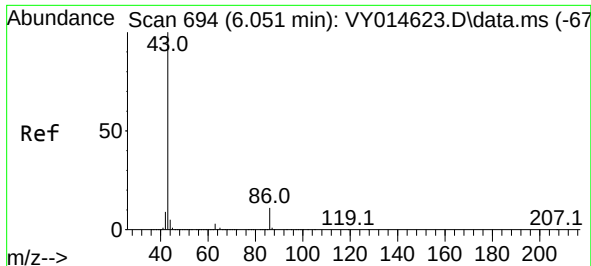


#22
Diisopropyl ether
Concen: 19.534 ug/l
RT: 6.119 min Scan# 705
Delta R.T. 0.007 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58



Tgt Ion: 45 Resp: 173828
Ion Ratio Lower Upper
45 100
43 59.1 52.2 78.4
87 28.6 21.0 31.6
59 11.7 8.9 13.3





#23

Vinyl Acetate

Concen: 100.768 ug/l

RT: 6.058 min Scan# 694

Delta R.T. 0.007 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBSD01

Tgt Ion: 43 Resp: 536620

Ion Ratio Lower Upper

43 100

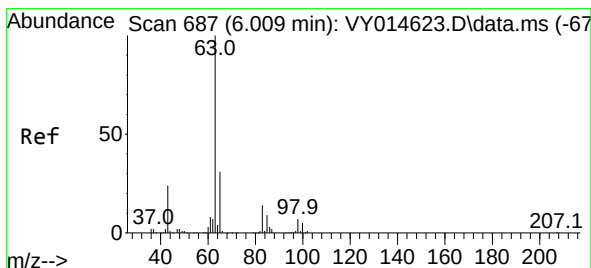
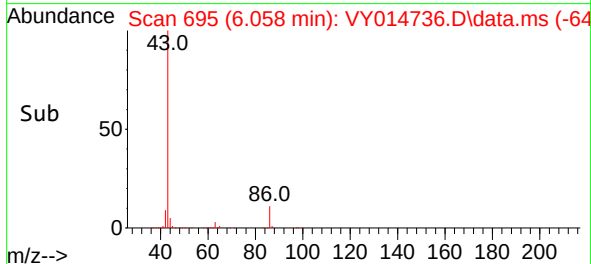
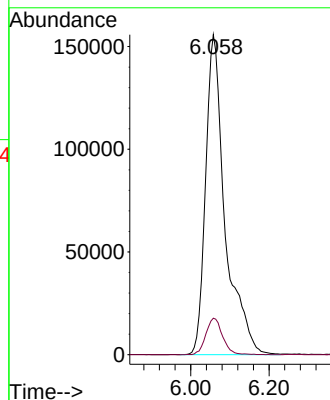
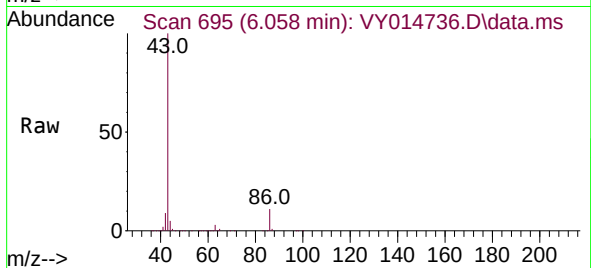
86 11.4 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#24

1,1-Dichloroethane

Concen: 19.799 ug/l

RT: 6.015 min Scan# 688

Delta R.T. 0.006 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

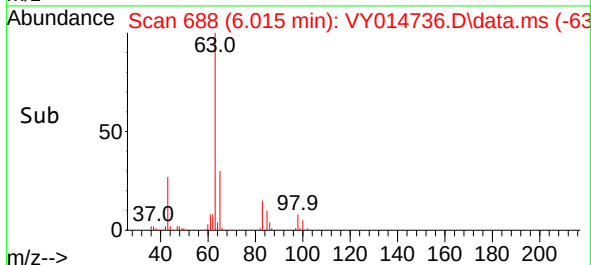
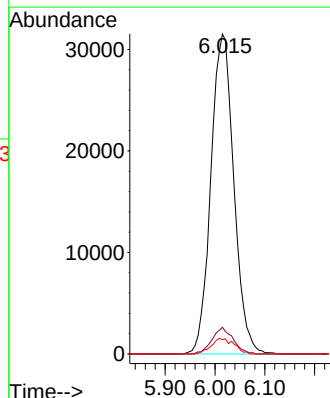
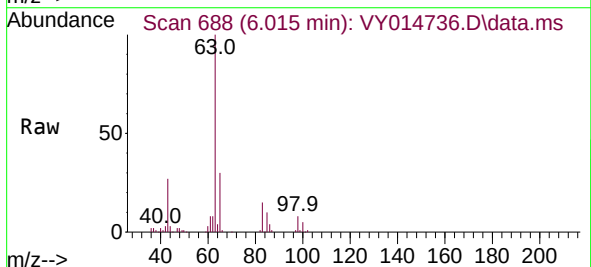
Tgt Ion: 63 Resp: 100813

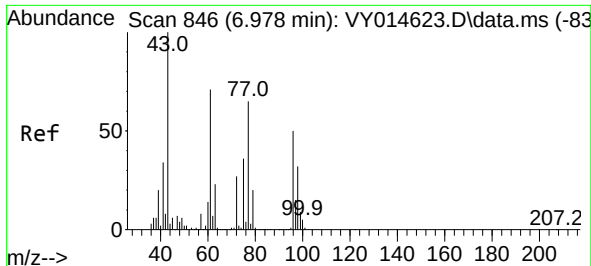
Ion Ratio Lower Upper

63 100

98 8.3 3.1 9.4

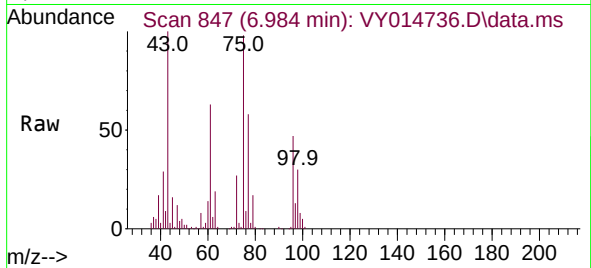
100 4.5 1.8 5.5





#25
2-Butanone
Concen: 112.588 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

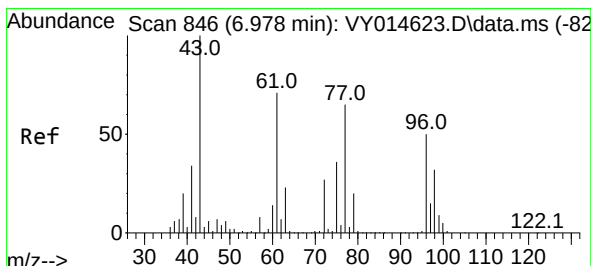
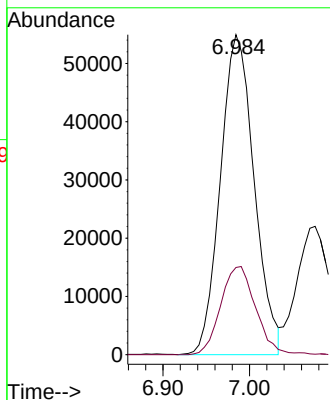
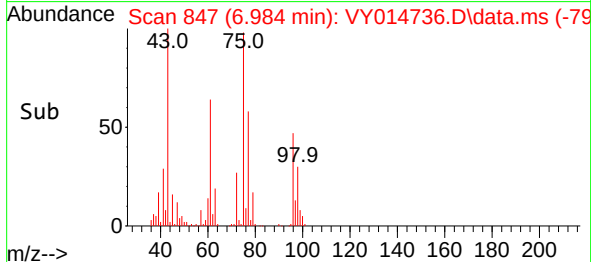
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01



Tgt Ion: 43 Resp: 148898
Ion Ratio Lower Upper
43 100
72 27.3 20.5 30.7

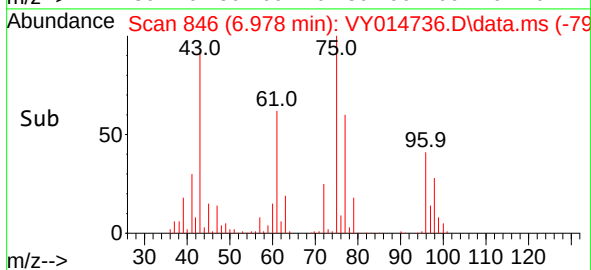
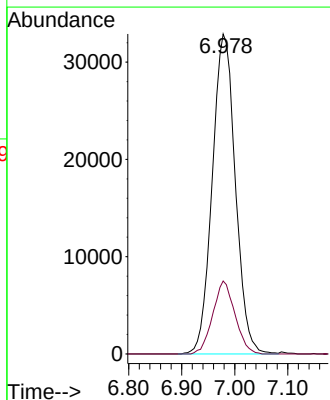
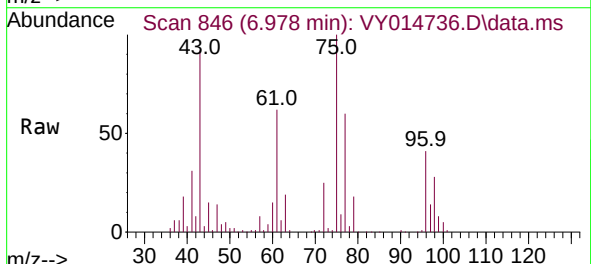
Manual Integrations
APPROVED

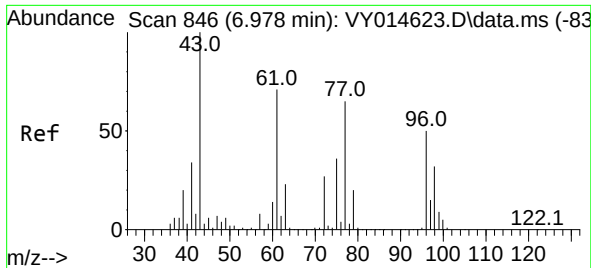
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#26
2,2-Dichloropropane
Concen: 20.514 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

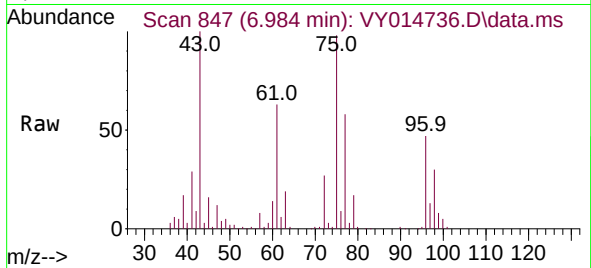
Tgt Ion: 77 Resp: 99552
Ion Ratio Lower Upper
77 100
97 21.9 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 20.534 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY014736.D
 Acq: 21 Jul 2023 10:58

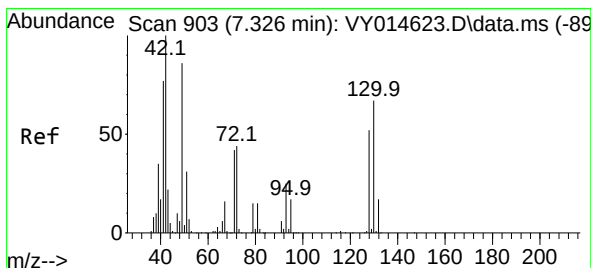
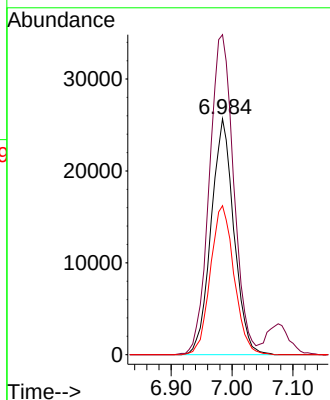
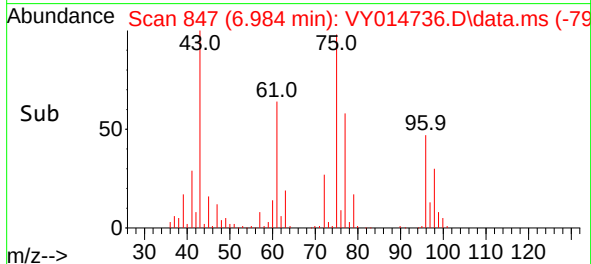
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0721SBS01



Tgt Ion: 96 Resp: 66860
 Ion Ratio Lower Upper
 96 100
 61 144.8 0.0 301.4
 98 65.7 0.0 130.4

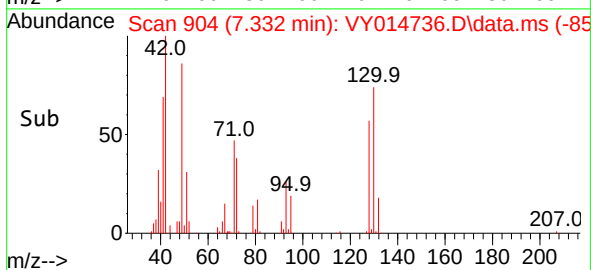
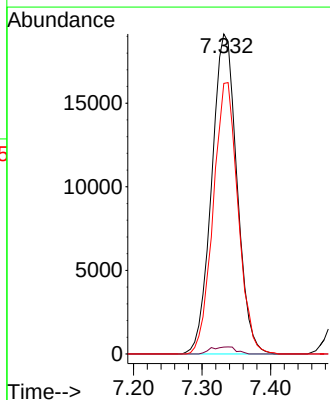
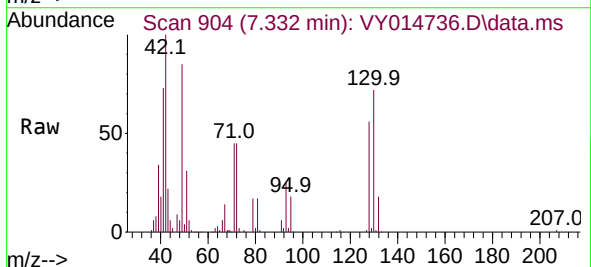
Manual Integrations
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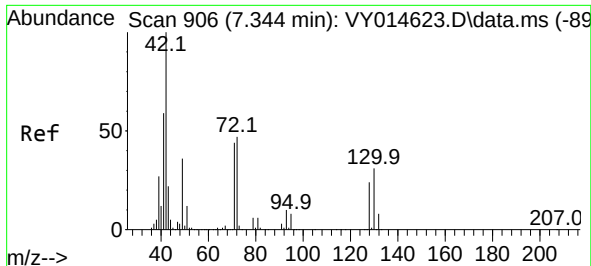
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#28
 Bromochloromethane
 Concen: 22.341 ug/l
 RT: 7.332 min Scan# 904
 Delta R.T. 0.006 min
 Lab File: VY014736.D
 Acq: 21 Jul 2023 10:58

Tgt Ion: 49 Resp: 48992
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.6
 130 83.1 60.7 91.1





#29

Tetrahydrofuran

Concen: 112.172 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014736.D

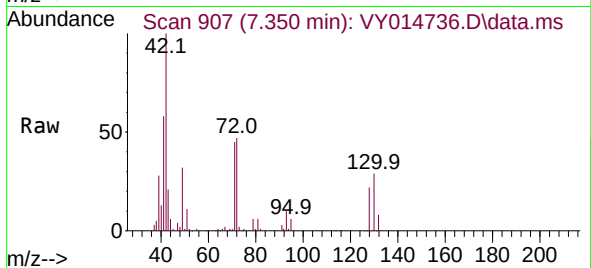
Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBS01



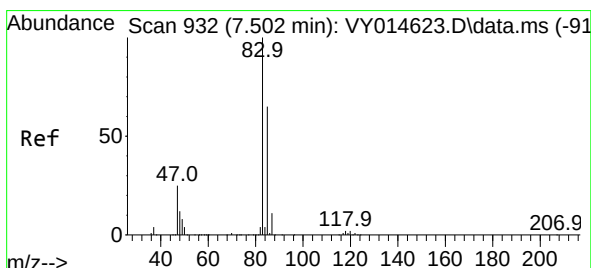
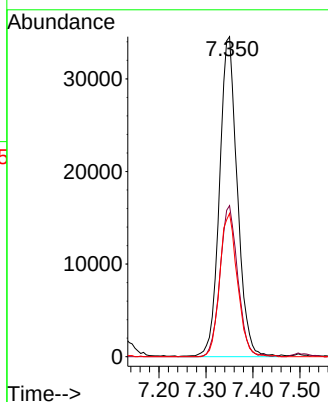
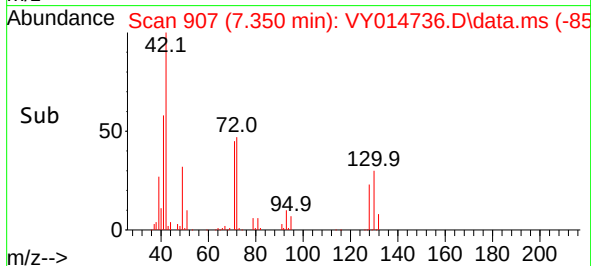
Tgt Ion:	42	Resp:	91340
Ion	Ratio	Lower	Upper
42	100		
72	47.0	32.8	49.2
71	44.6	31.0	46.4

Manual Integrations

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Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#30

Chloroform

Concen: 20.284 ug/l

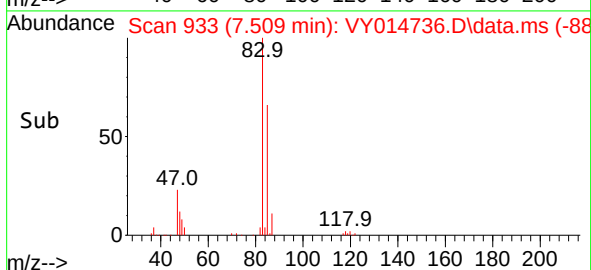
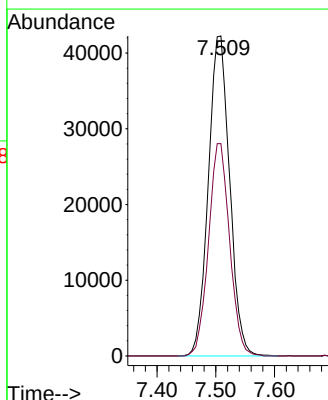
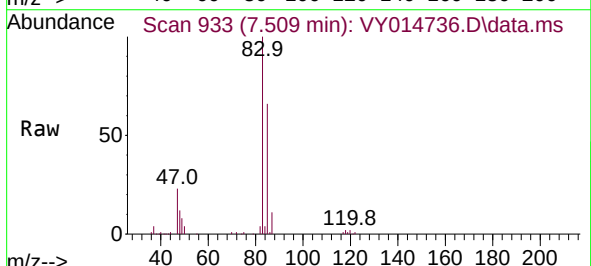
RT: 7.509 min Scan# 933

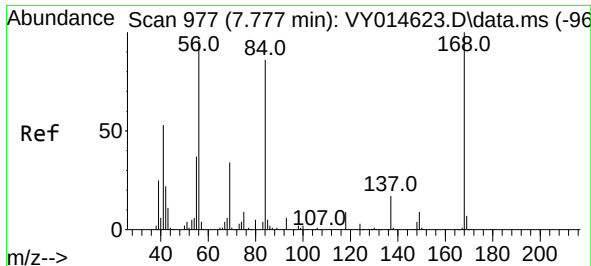
Delta R.T. 0.007 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

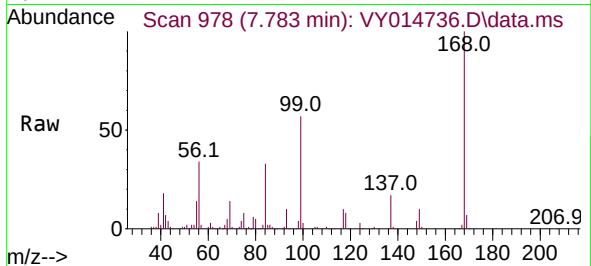
Tgt Ion:	83	Resp:	106507
Ion	Ratio	Lower	Upper
83	100		
85	66.4	49.7	74.5





#31
Cyclohexane
Concen: 19.088 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

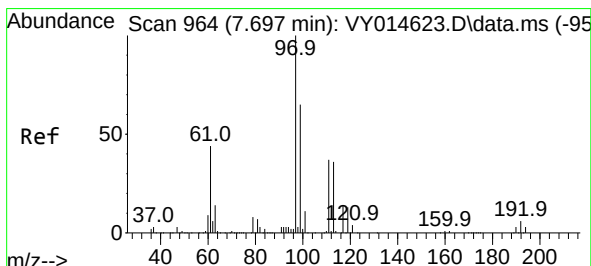
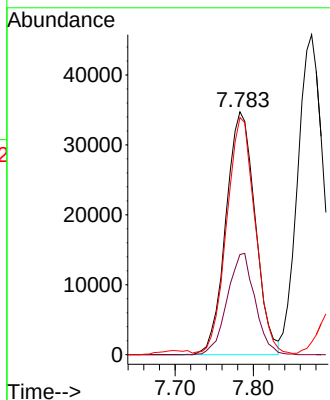
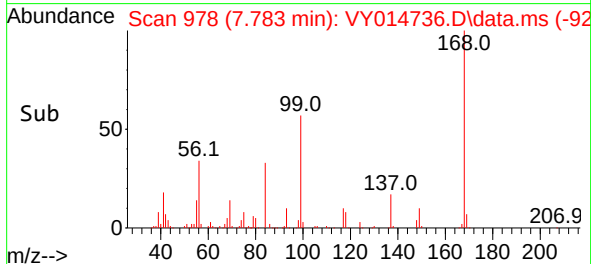
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



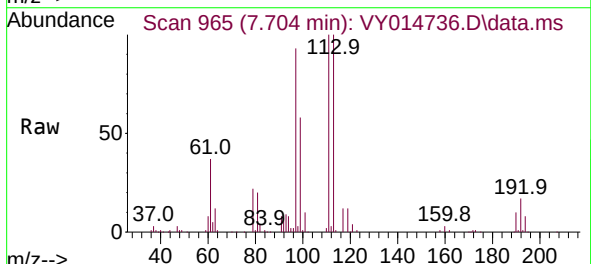
Tgt Ion: 56 Resp: 90392
Ion Ratio Lower Upper
56 100
69 41.2 27.8 41.6
84 96.0 66.4 99.6

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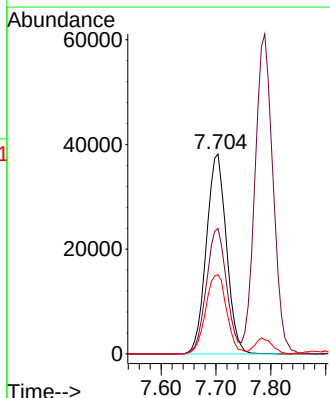
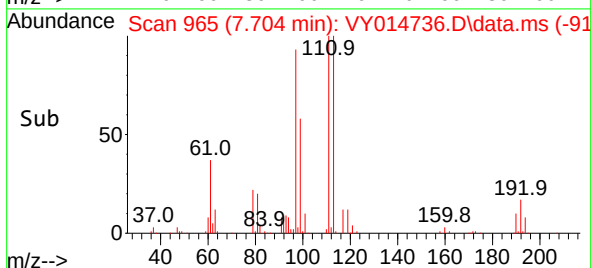
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

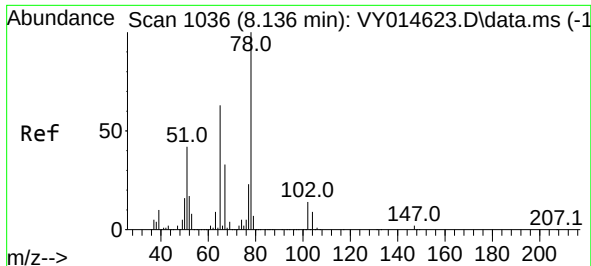


#32
1,1,1-Trichloroethane
Concen: 20.540 ug/l
RT: 7.704 min Scan# 965
Delta R.T. 0.007 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58



Tgt Ion: 97 Resp: 97068
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 41.6 35.1 52.7





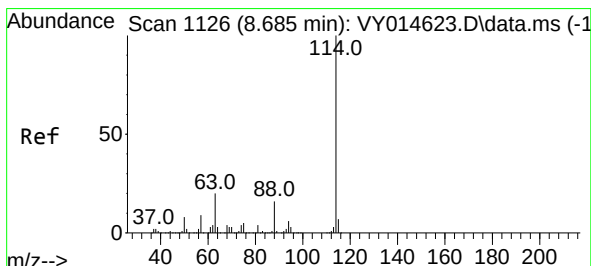
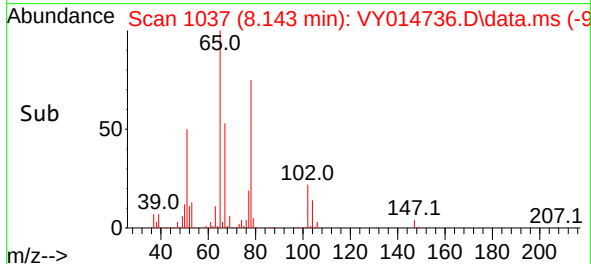
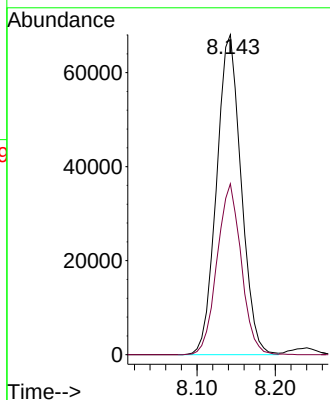
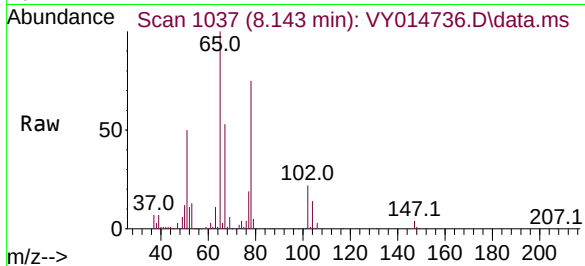
#33
1,2-Dichloroethane-d4
Concen: 52.054 ug/l
RT: 8.143 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01

Tgt Ion: 65 Resp: 148494
Ion Ratio Lower Upper
65 100
67 52.5 0.0 101.8

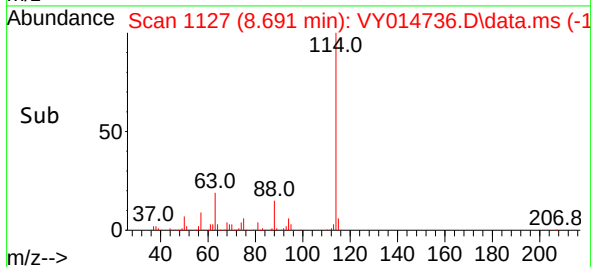
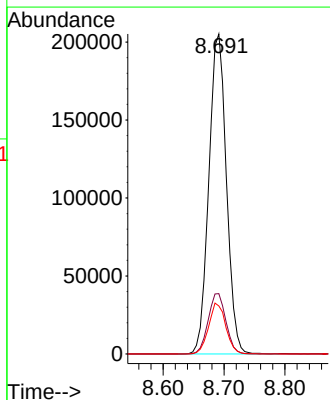
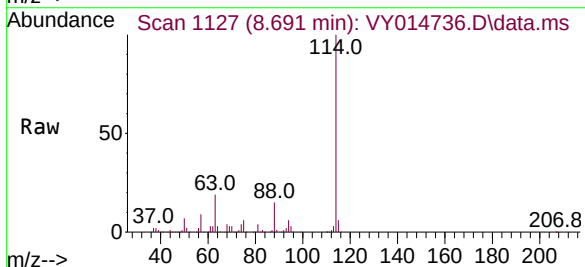
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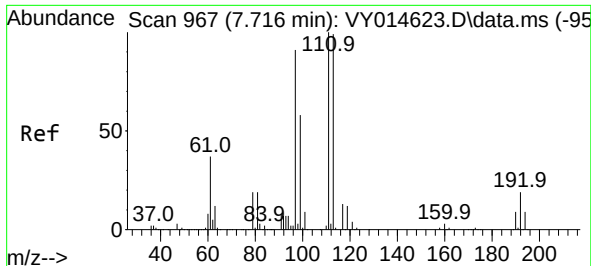
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

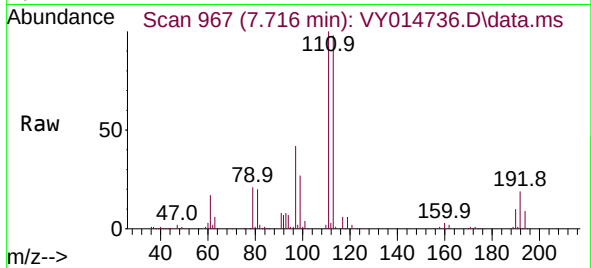
Tgt Ion:114 Resp: 410840
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 15.0 0.0 30.6





#35
Dibromofluoromethane
Concen: 53.000 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

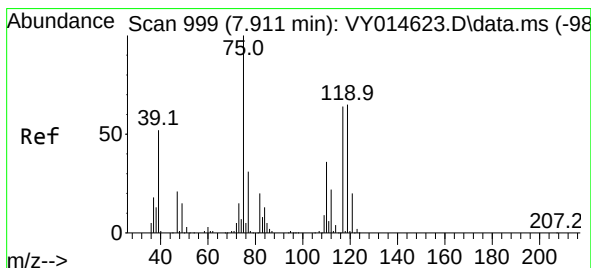
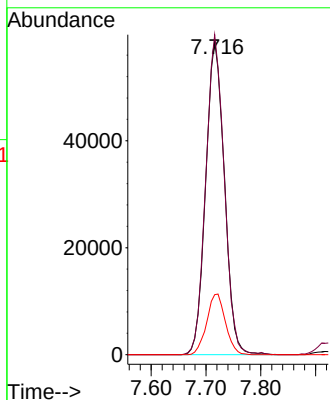
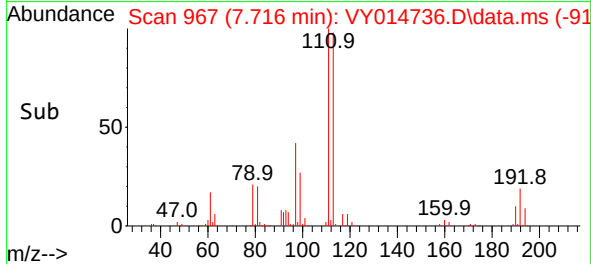
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



Tgt Ion: 113 Resp: 13861
Ion Ratio Lower Upper
113 100
111 101.0 81.3 121.9
192 19.4 16.9 25.3

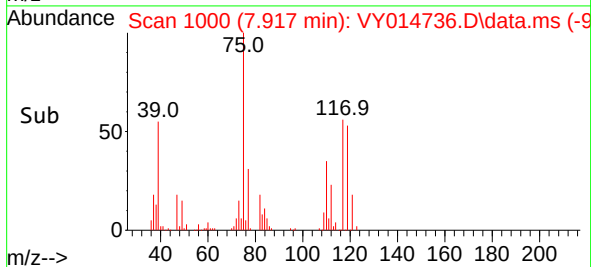
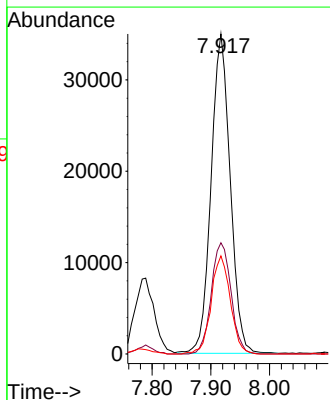
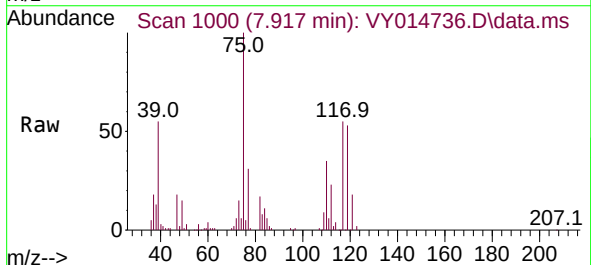
Manual Integrations
APPROVED

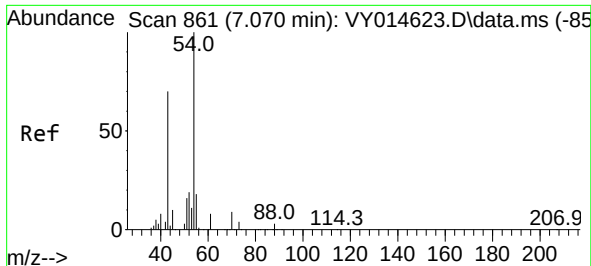
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#36
1,1-Dichloropropene
Concen: 20.230 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion: 75 Resp: 79122
Ion Ratio Lower Upper
75 100
110 35.9 17.8 53.5
77 30.9 24.4 36.6





#37

Ethyl Acetate

Concen: 22.737 ug/l

RT: 7.076 min Scan# 861

Delta R.T. 0.006 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

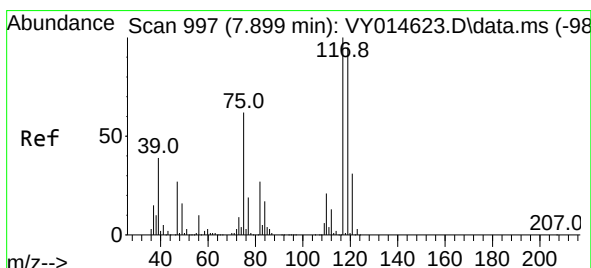
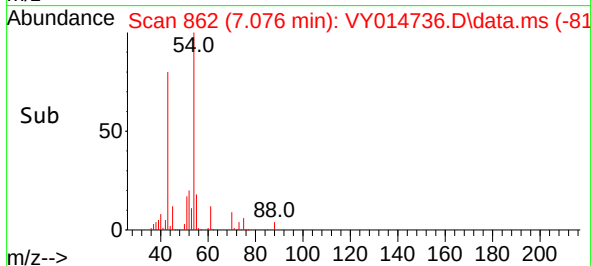
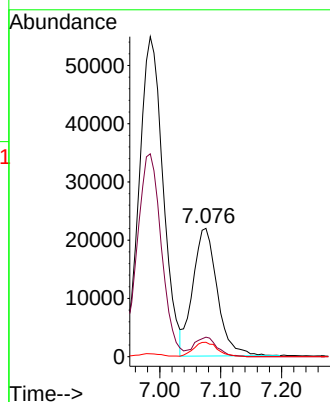
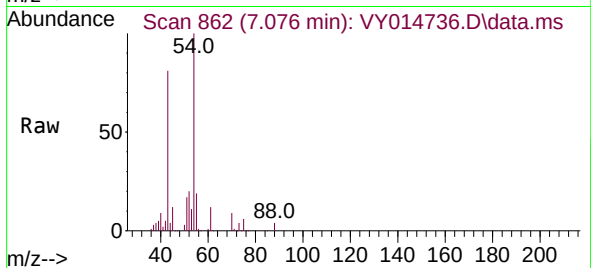
VY0721SBSD01

Tgt Ion: 43 Resp: 61220

Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.1	15.1
70	11.1	7.1	10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#38

Carbon Tetrachloride

Concen: 20.877 ug/l

RT: 7.899 min Scan# 997

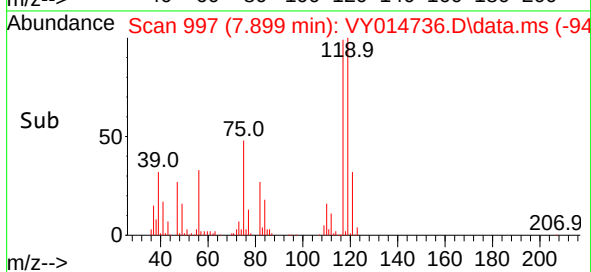
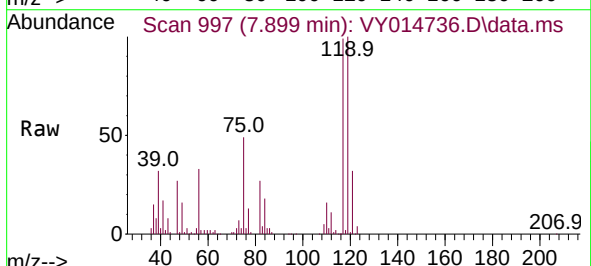
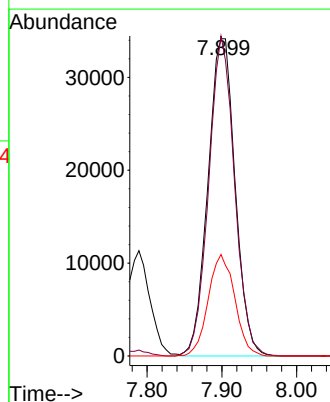
Delta R.T. -0.000 min

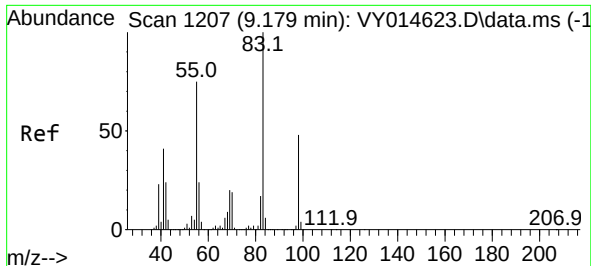
Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Tgt Ion:117 Resp: 86315

Ion	Ratio	Lower	Upper
117	100		
119	100.9	76.4	114.6
121	32.0	25.8	38.6





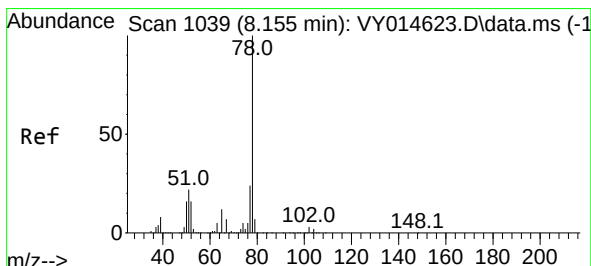
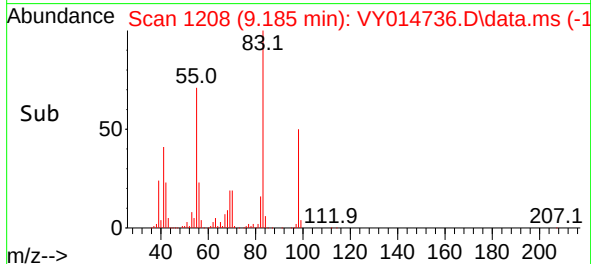
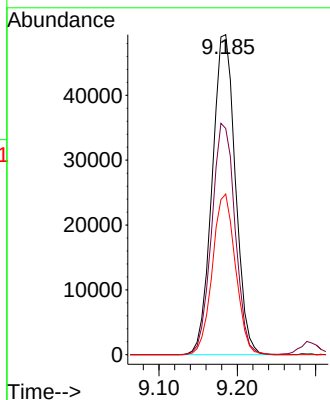
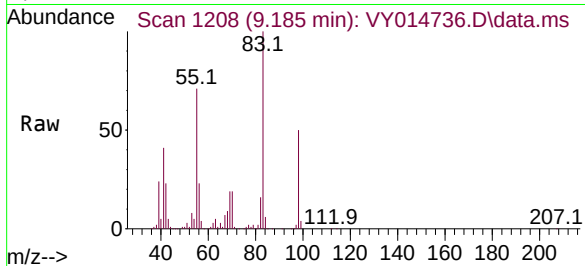
#39
Methylcyclohexane
Concen: 19.971 ug/l
RT: 9.185 min Scan# 10175
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Tgt Ion: 83 Resp: 10175
Ion Ratio Lower Upper
83 100
55 70.7 63.0 94.4
98 50.2 37.4 56.2

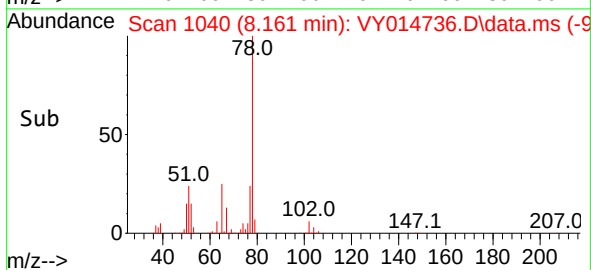
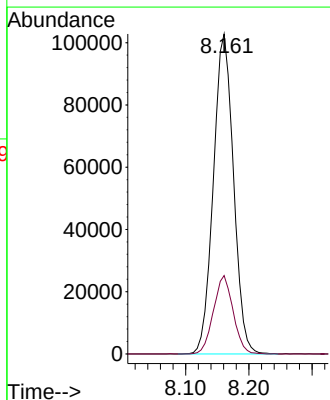
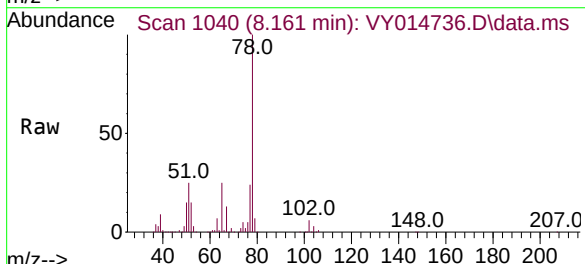
Manual Integrations
APPROVED

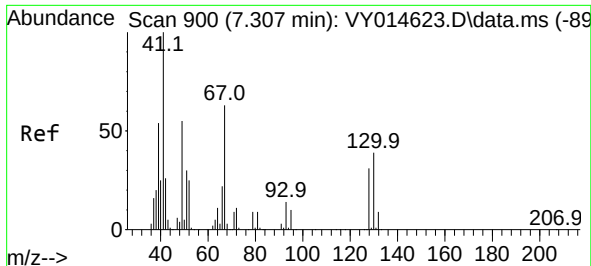
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#40
Benzene
Concen: 20.381 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

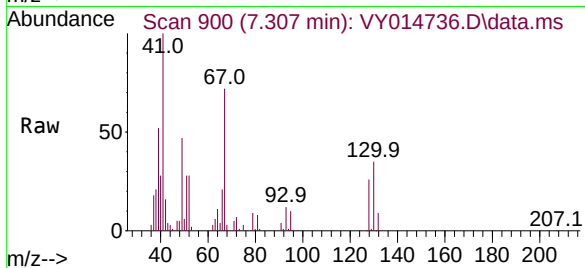
Tgt Ion: 78 Resp: 226705
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6





#41
Methacrylonitrile
Concen: 21.243 ug/l m
RT: 7.307 min Scan# 900
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

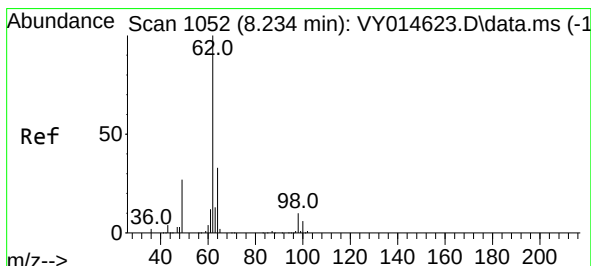
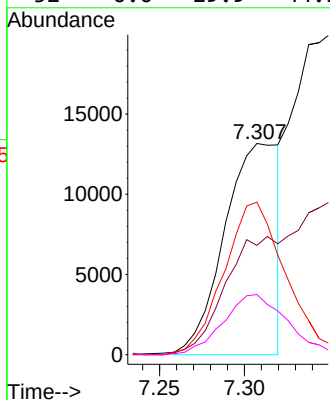
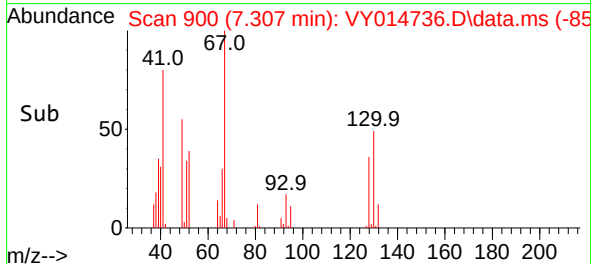
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



Tgt Ion: 41 Resp: 2942
Ion Ratio Lower Upper
41 100
39 141.0 52.1 78.1
67 0.0 66.2 99.2
52 0.0 29.9 44.9

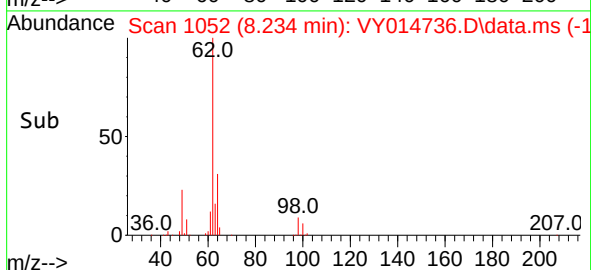
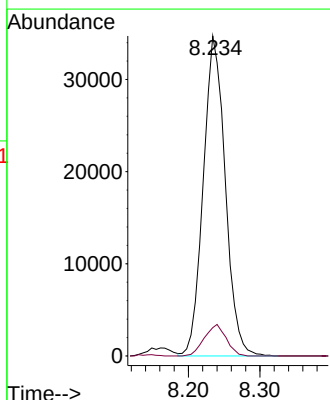
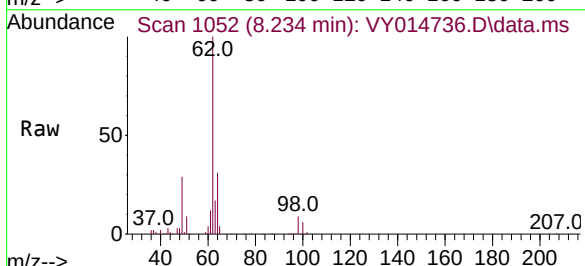
Manual Integrations
APPROVED

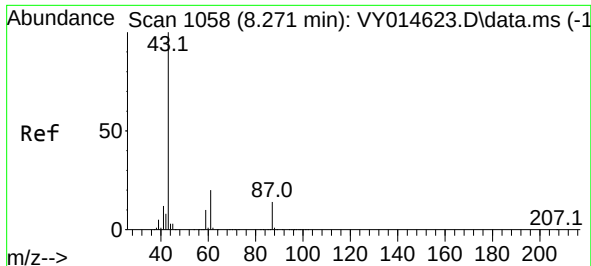
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#42
1,2-Dichloroethane
Concen: 21.077 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

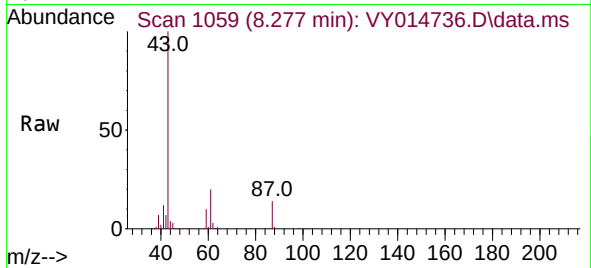
Tgt Ion: 62 Resp: 74242
Ion Ratio Lower Upper
62 100
98 9.7 0.0 15.8





#43
Isopropyl Acetate
Concen: 21.213 ug/l
RT: 8.277 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

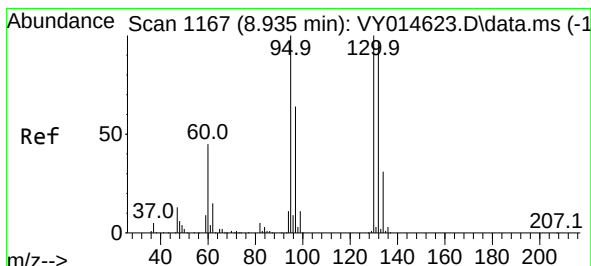
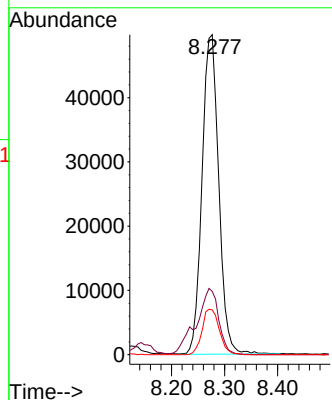
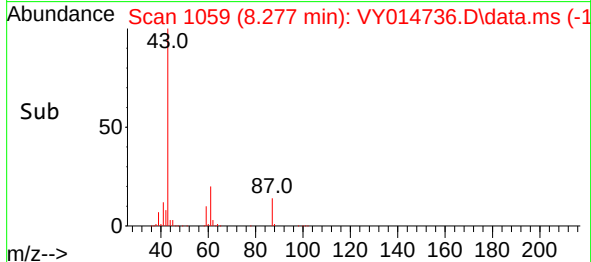
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01



Tgt Ion: 43 Resp: 10881
Ion Ratio Lower Upper
43 100
61 28.0 21.1 31.7
87 14.7 9.8 14.8

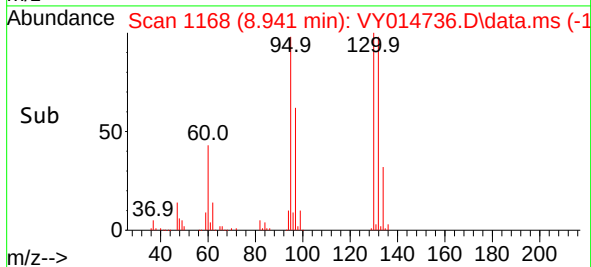
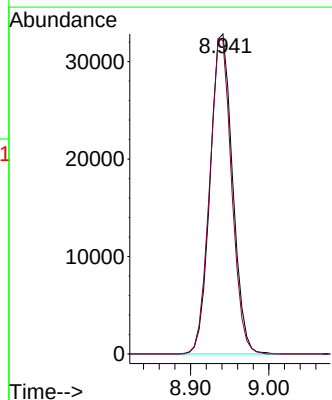
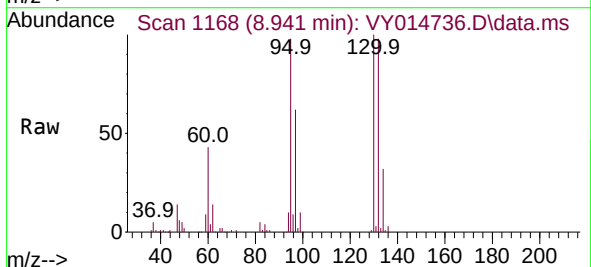
Manual Integrations
APPROVED

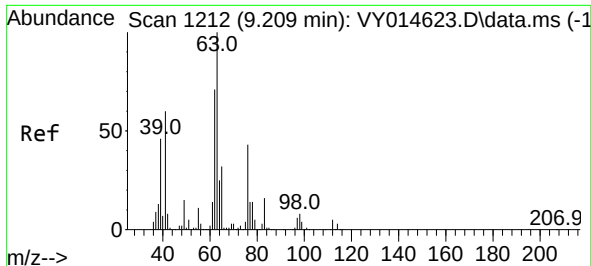
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#44
Trichloroethene
Concen: 20.924 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion:130 Resp: 65120
Ion Ratio Lower Upper
130 100
95 98.0 0.0 196.0





#45

1,2-Dichloropropane

Concen: 20.122 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. 0.007 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBSD01

Tgt Ion: 63 Resp: 5844

Ion Ratio Lower Upper

63 100

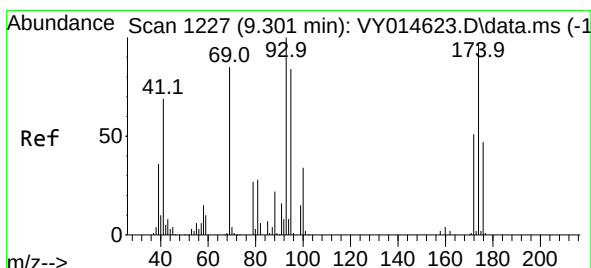
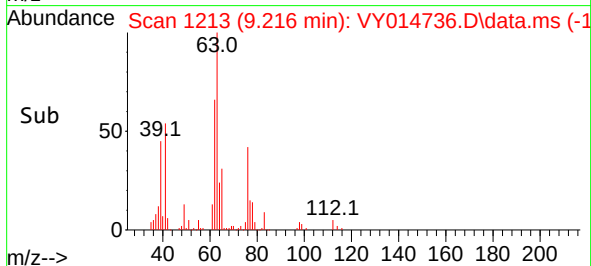
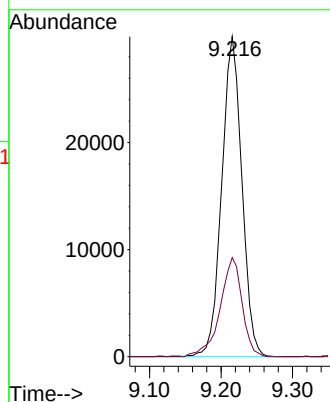
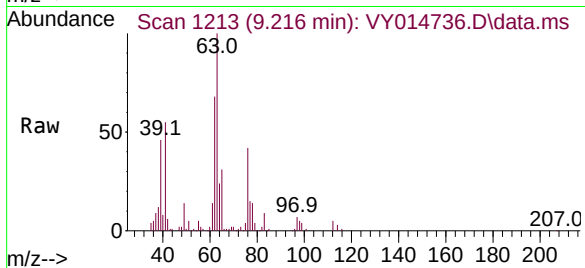
65 31.0 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#46

Dibromomethane

Concen: 21.585 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

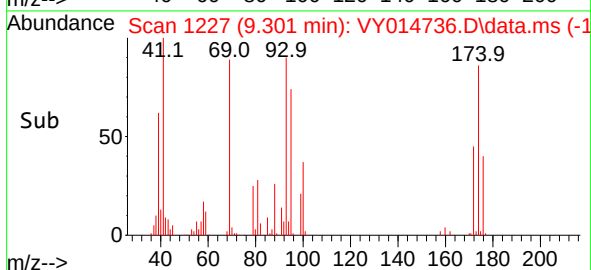
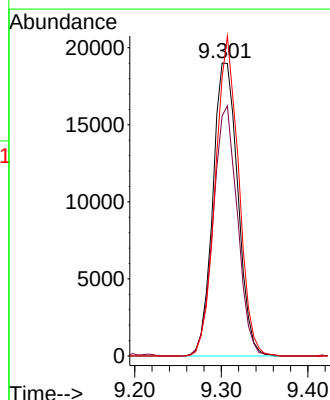
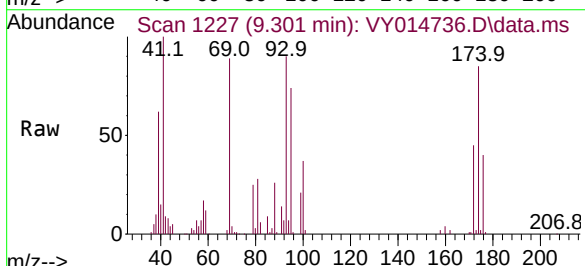
Tgt Ion: 93 Resp: 38034

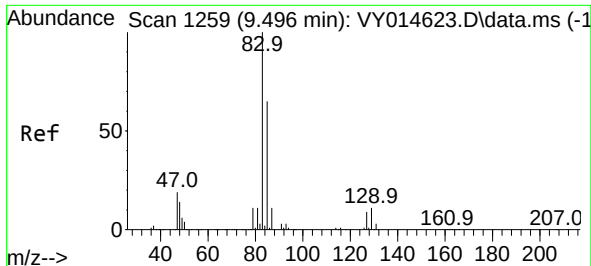
Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

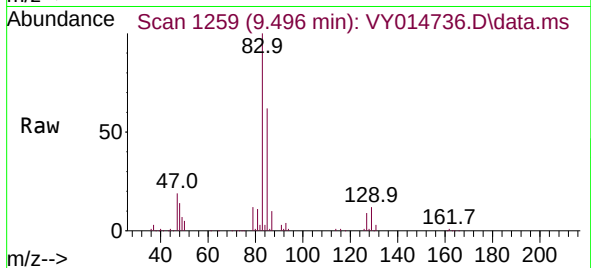
174 101.9 84.8 127.2





#47
Bromodichloromethane
Concen: 20.797 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

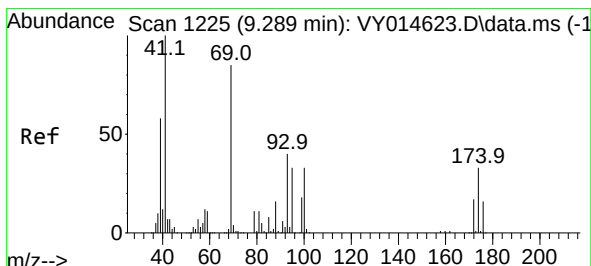
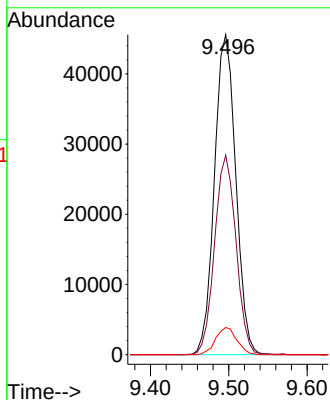
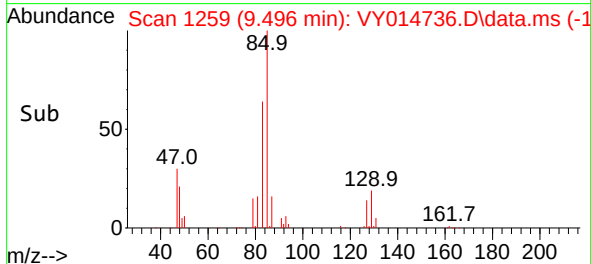
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



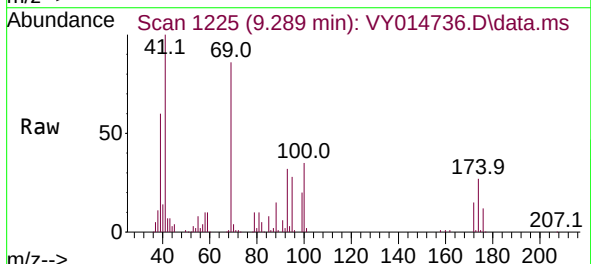
Tgt Ion: 83 Resp: 86368
Ion Ratio Lower Upper
83 100
85 62.3 50.1 75.1
127 8.5 7.1 10.7

Manual Integrations
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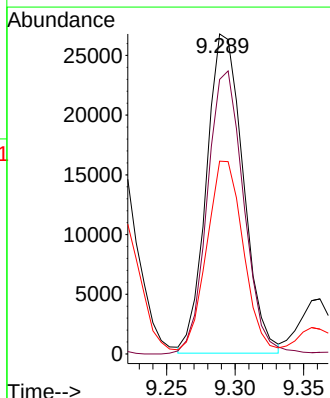
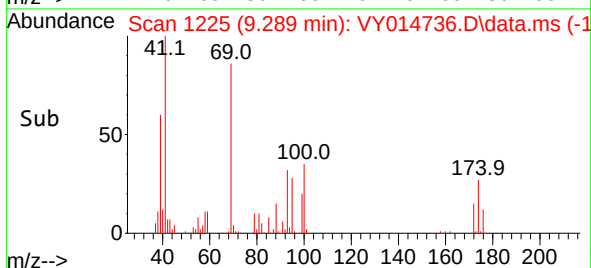
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

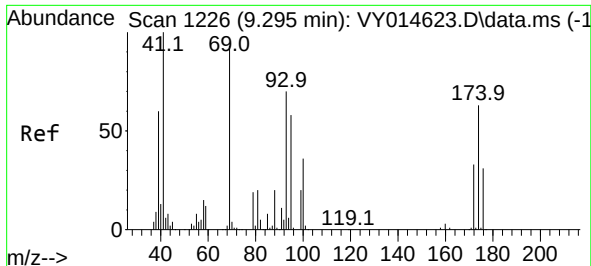


#48
Methyl methacrylate
Concen: 21.613 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58



Tgt Ion: 41 Resp: 49886
Ion Ratio Lower Upper
41 100
69 87.9 64.5 96.7
39 60.7 50.8 76.2





#49

1,4-Dioxane

Concen: 474.907 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBS01

Tgt Ion: 88 Resp: 1364

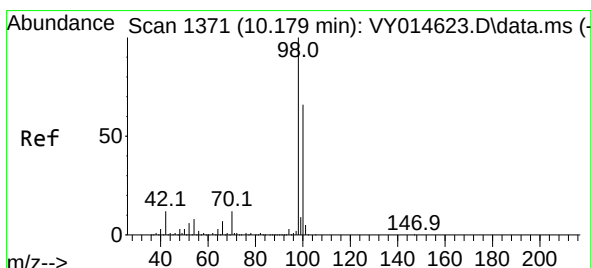
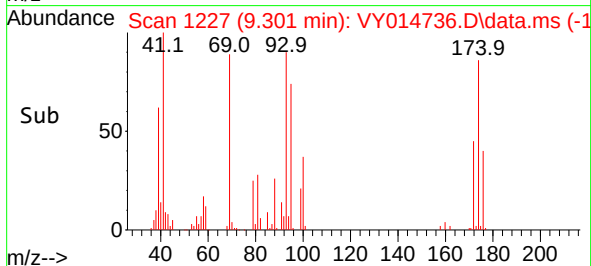
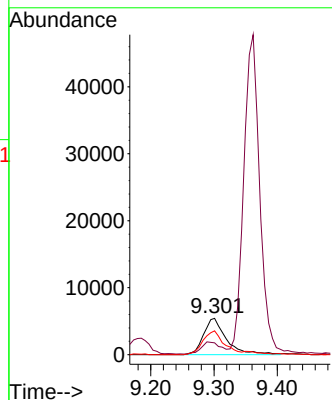
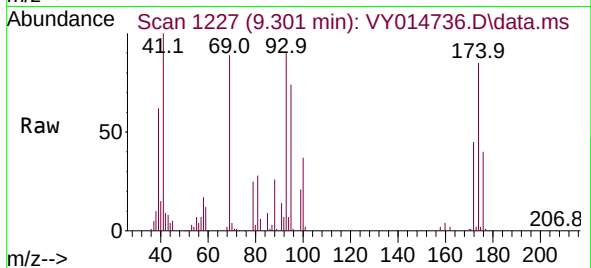
Ion	Ratio	Lower	Upper
88	100		
43	27.7	0.0	0.0
58	60.3	30.9	46.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#50

Toluene-d8

Concen: 50.692 ug/l

RT: 10.179 min Scan# 1371

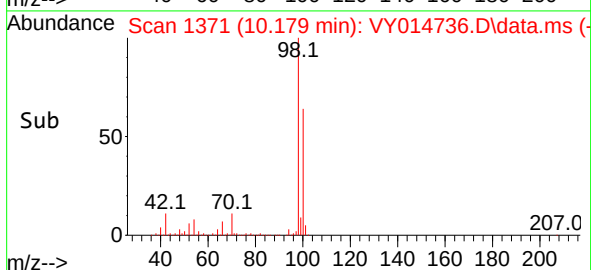
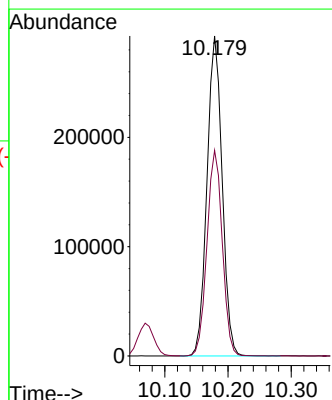
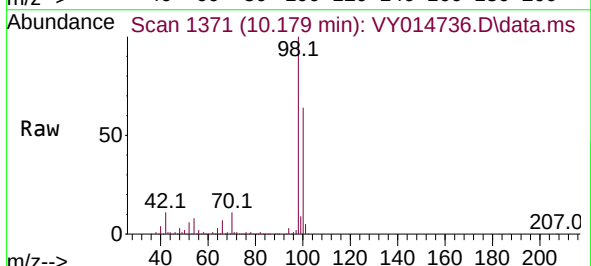
Delta R.T. -0.000 min

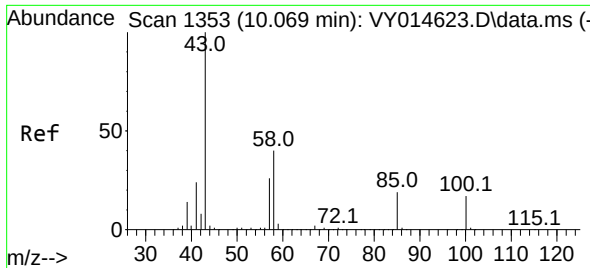
Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Tgt Ion: 98 Resp: 488781

Ion	Ratio	Lower	Upper
98	100		
100	64.9	50.1	75.1





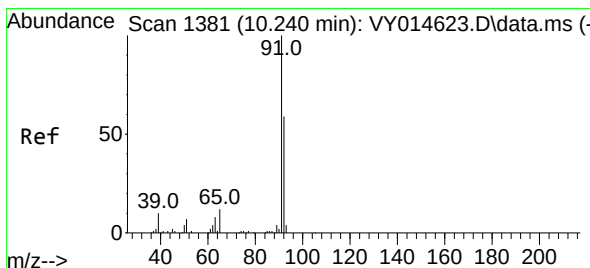
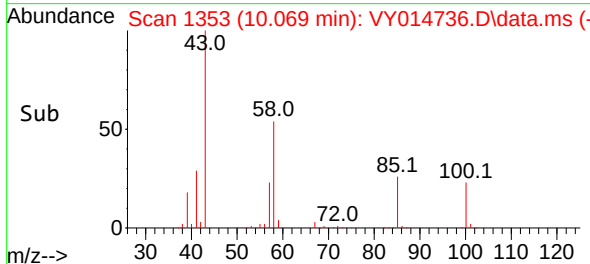
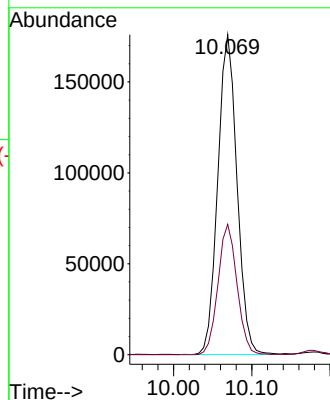
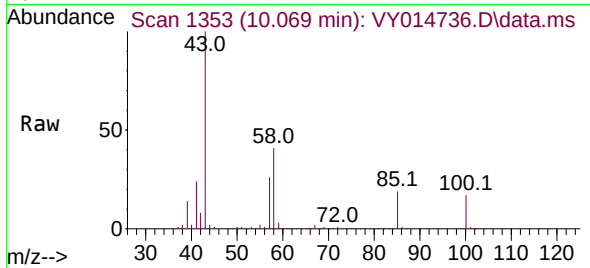
#51
4-Methyl-2-Pentanone
Concen: 111.626 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Tgt Ion: 43 Resp: 300639
Ion Ratio Lower Upper
43 100
58 40.3 29.0 43.6

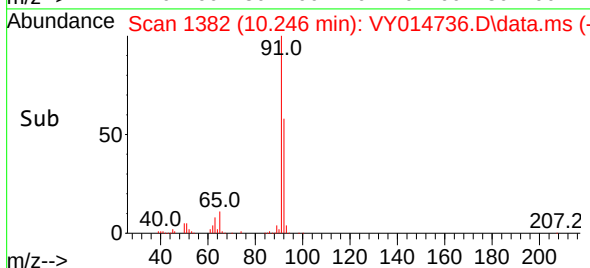
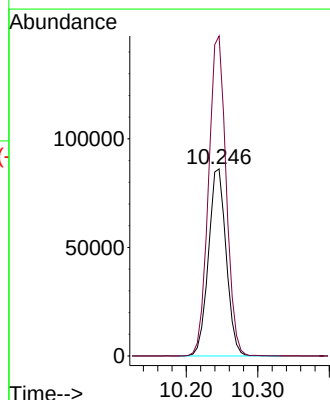
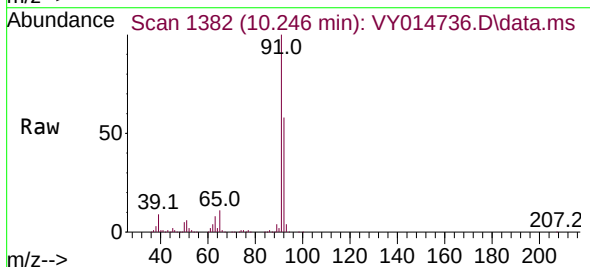
Manual Integrations
APPROVED

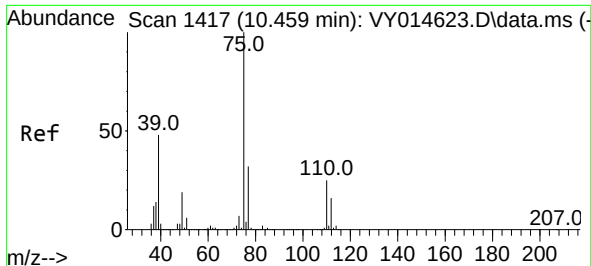
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#52
Toluene
Concen: 20.833 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion: 92 Resp: 148283
Ion Ratio Lower Upper
92 100
91 170.1 143.8 215.6





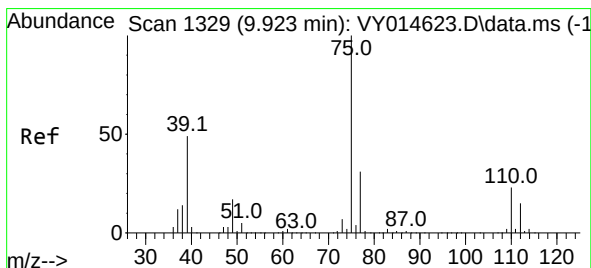
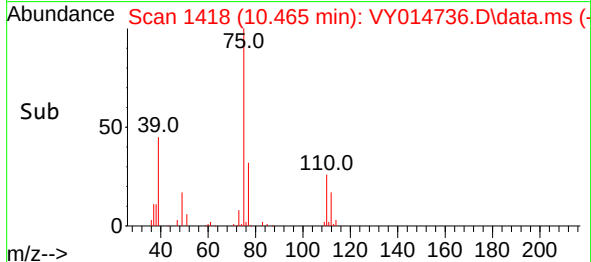
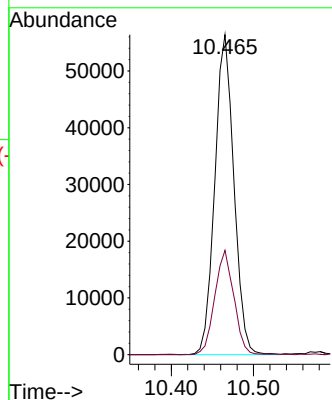
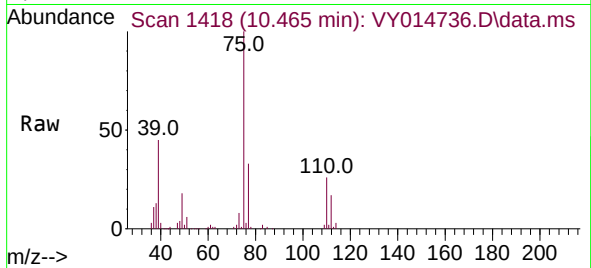
#53
t-1,3-Dichloropropene
Concen: 20.041 ug/l
RT: 10.465 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Tgt Ion: 75 Resp: 91042
Ion Ratio Lower Upper
75 100
77 32.6 25.0 37.4

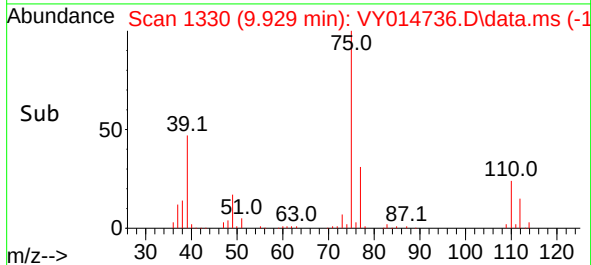
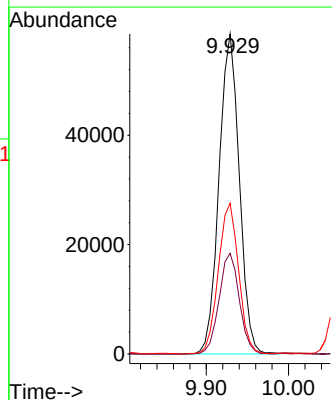
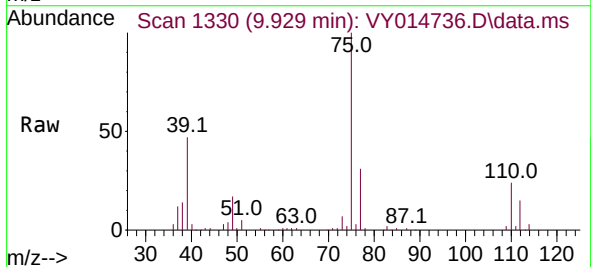
Manual Integrations
APPROVED

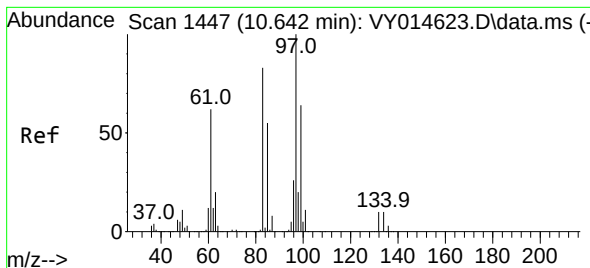
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#54
cis-1,3-Dichloropropene
Concen: 20.305 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

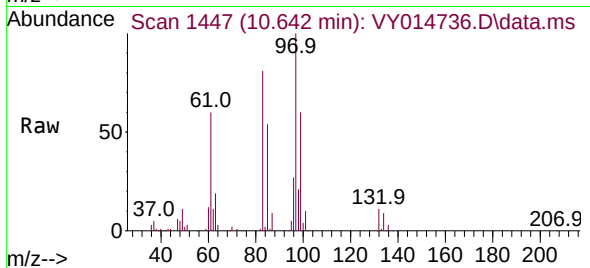
Tgt Ion: 75 Resp: 100305
Ion Ratio Lower Upper
75 100
77 31.4 24.2 36.4
39 47.1 42.2 63.4





#55
1,1,2-Trichloroethane
Concen: 21.337 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

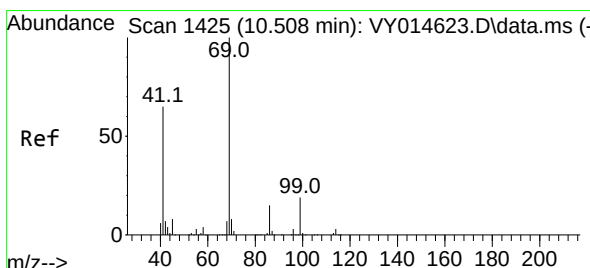
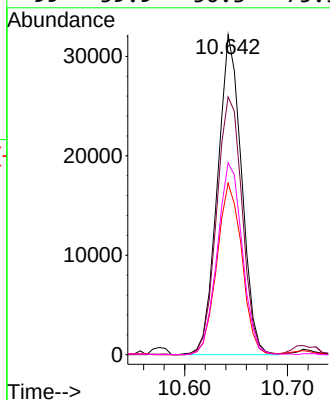
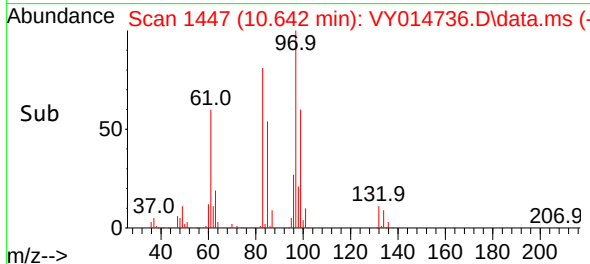
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



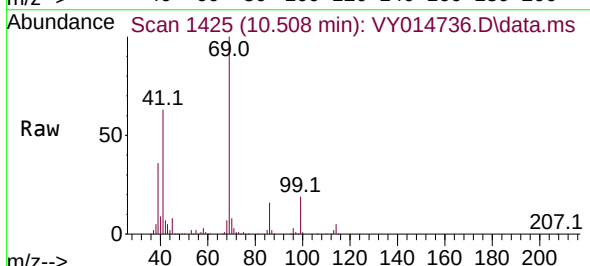
Tgt Ion: 97	Resp: 5237
Ion Ratio	Lower Upper
97	100
83	80.5 72.0 108.0
85	53.6 45.4 68.0
99	59.9 50.3 75.5

Manual Integrations
APPROVED

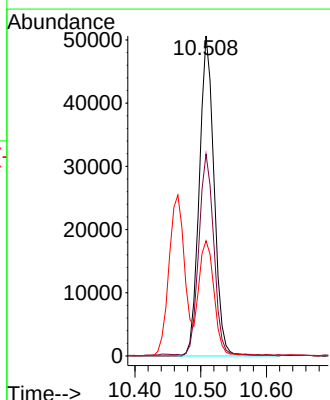
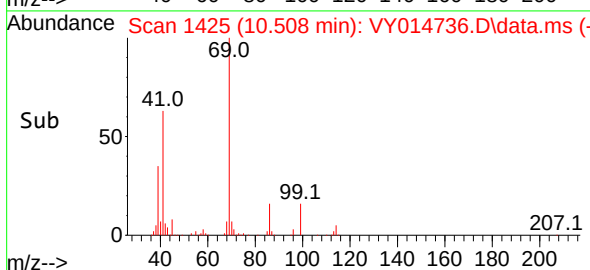
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

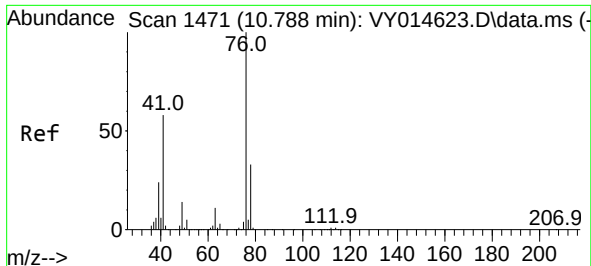


#56
Ethyl methacrylate
Concen: 21.105 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58



Tgt Ion: 69	Resp: 79093
Ion Ratio	Lower Upper
69	100
41	63.5 57.6 86.4
39	35.8 34.1 51.1





#57

1,3-Dichloropropane

Concen: 21.275 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBSD01

Tgt Ion: 76 Resp: 90068

Ion Ratio Lower Upper

76 100

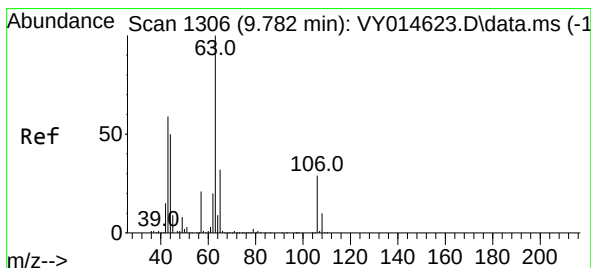
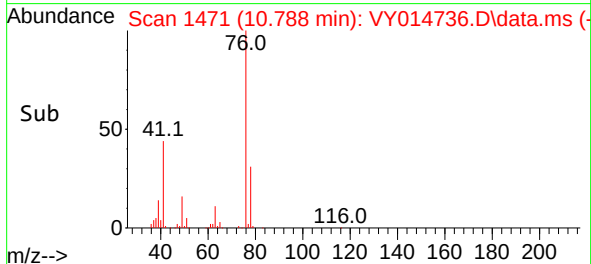
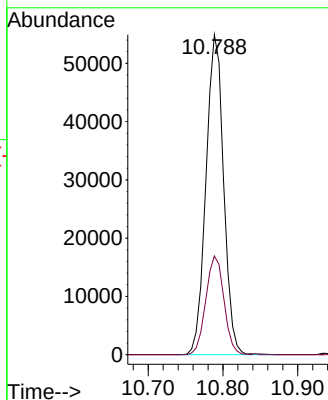
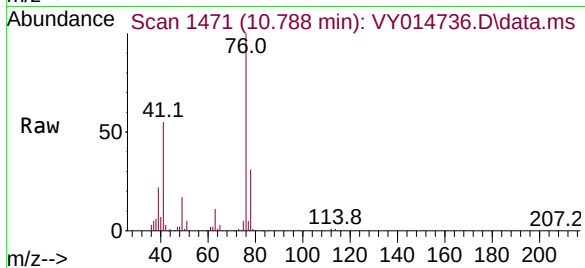
78 31.7 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#58

2-Chloroethyl Vinyl ether

Concen: 112.770 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.001 min

Lab File: VY014736.D

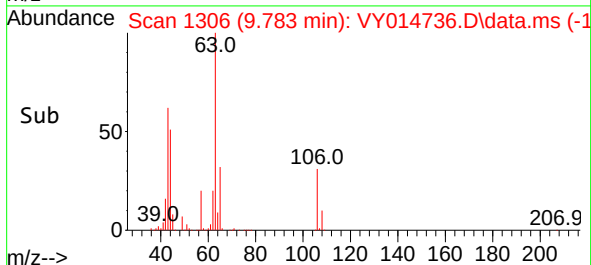
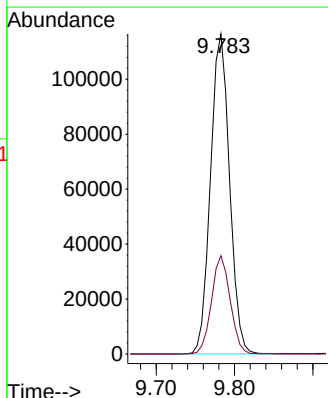
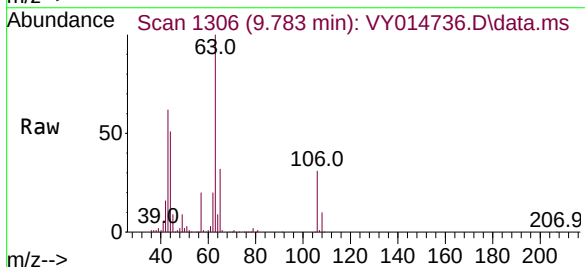
Acq: 21 Jul 2023 10:58

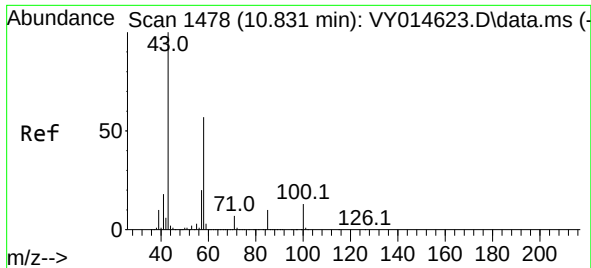
Tgt Ion: 63 Resp: 196915

Ion Ratio Lower Upper

63 100

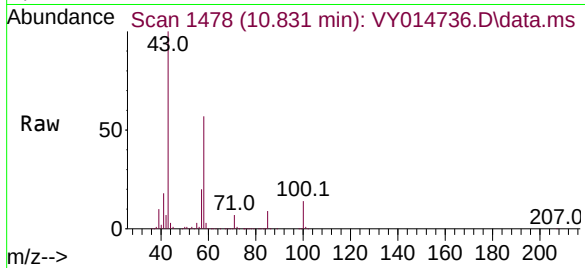
106 30.1 21.2 31.8





#59
2-Hexanone
Concen: 113.015 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

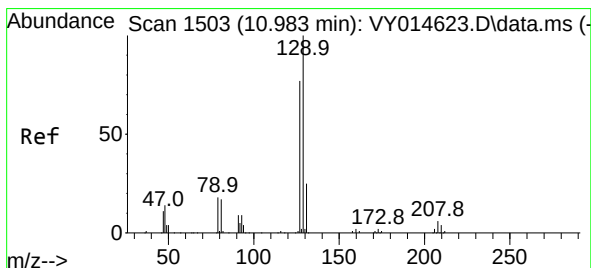
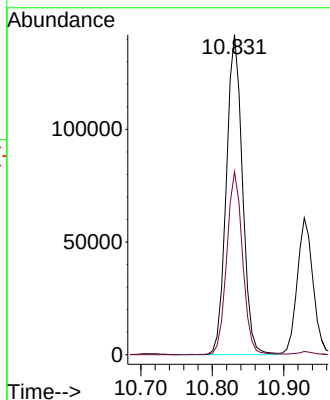
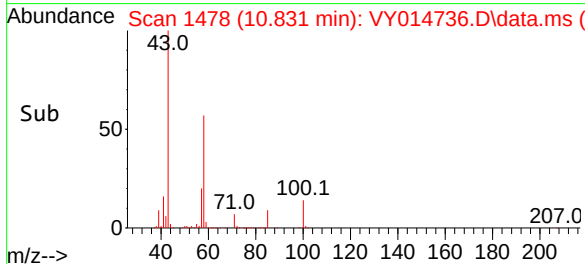
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



Tgt Ion: 43 Resp: 221960
Ion Ratio Lower Upper
43 100
58 56.2 25.1 75.3

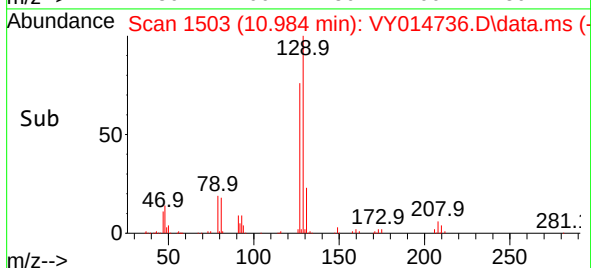
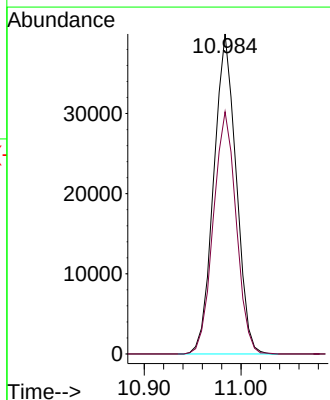
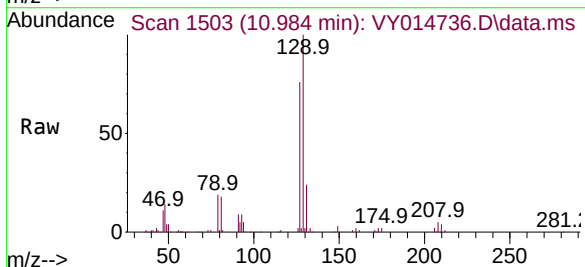
Manual Integrations
APPROVED

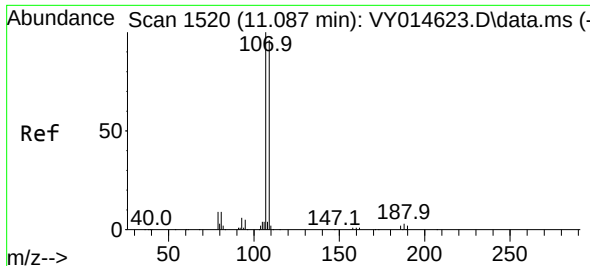
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#60
Dibromochloromethane
Concen: 21.315 ug/l
RT: 10.984 min Scan# 1503
Delta R.T. 0.001 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

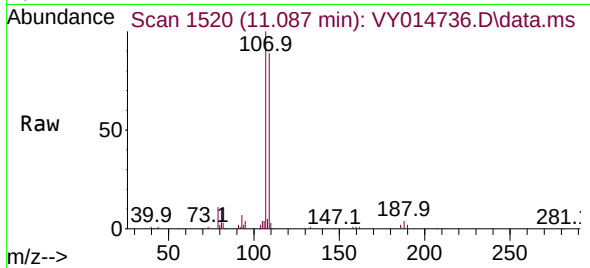
Tgt Ion:129 Resp: 64145
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61
1,2-Dibromoethane
Concen: 21.672 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

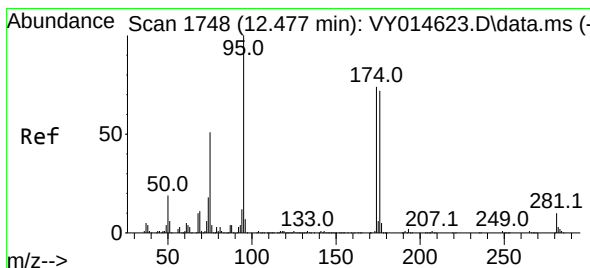
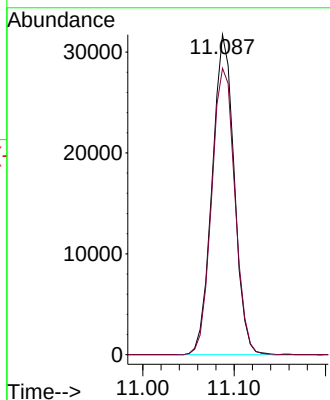
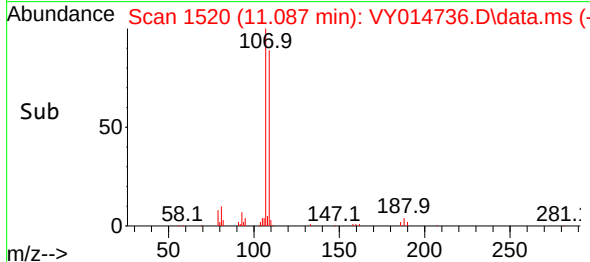
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



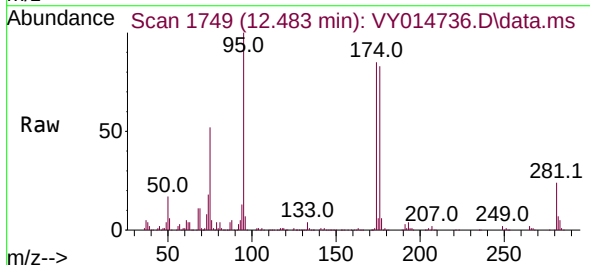
Tgt Ion:107 Resp: 53060
Ion Ratio Lower Upper
107 100
109 94.3 75.6 113.4

Manual Integrations
APPROVED

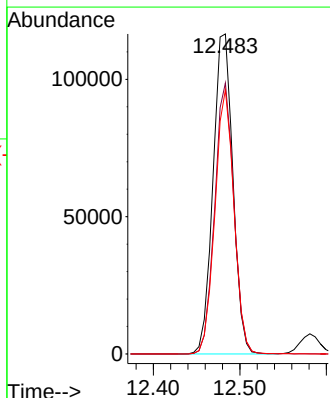
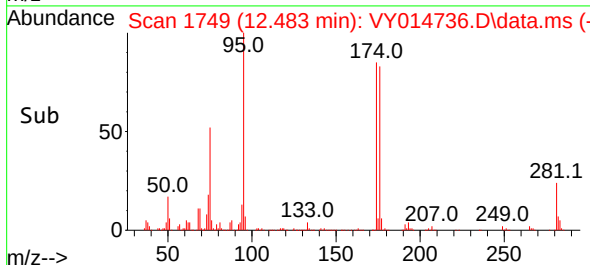
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

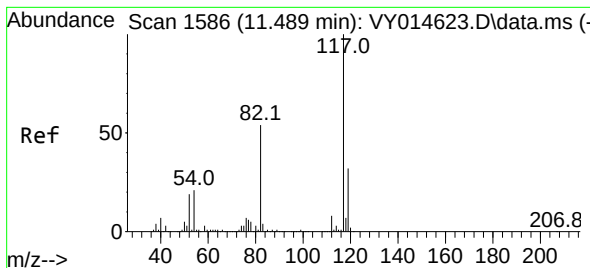


#62
4-Bromofluorobenzene
Concen: 50.277 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58



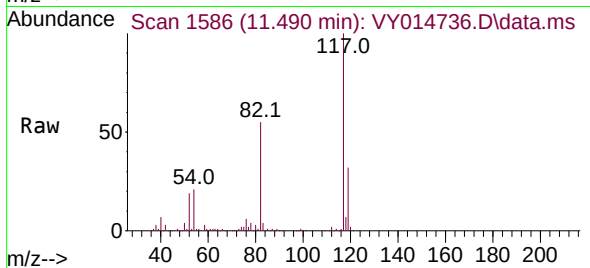
Tgt Ion: 95 Resp: 185882
Ion Ratio Lower Upper
95 100
174 81.6 0.0 178.2
176 79.0 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

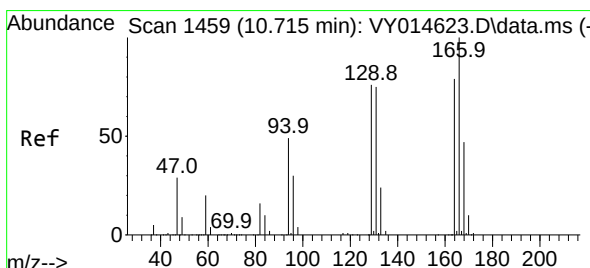
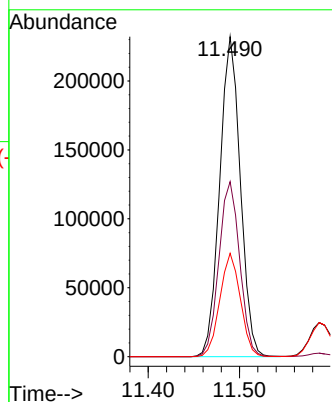
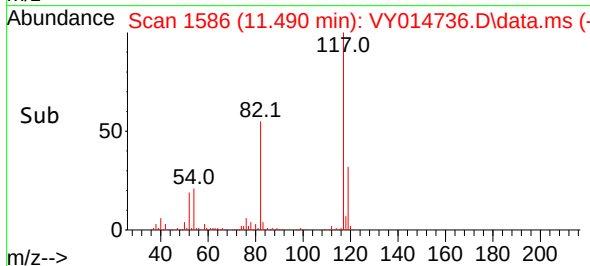
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01



Tgt Ion:117 Resp: 36440
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 32.3 26.3 39.5

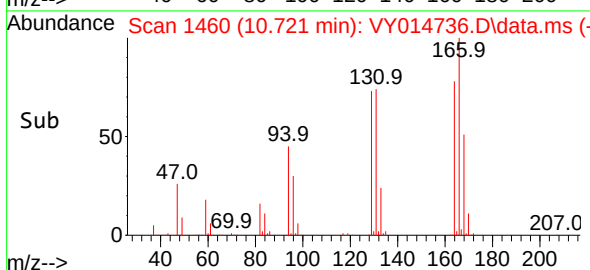
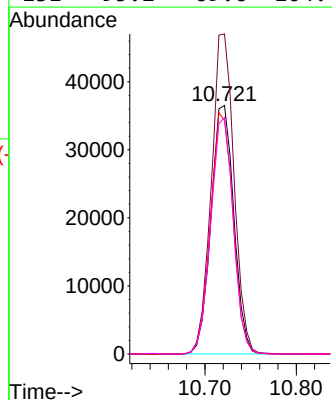
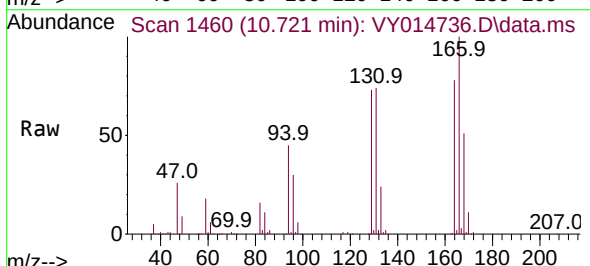
Manual Integrations
APPROVED

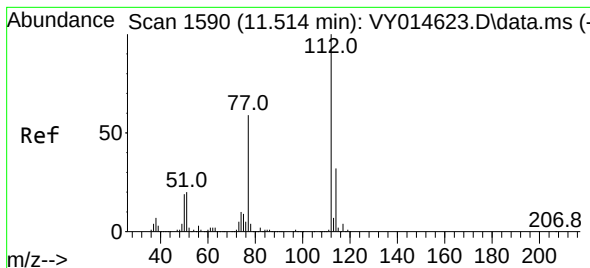
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#64
Tetrachloroethene
Concen: 21.618 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

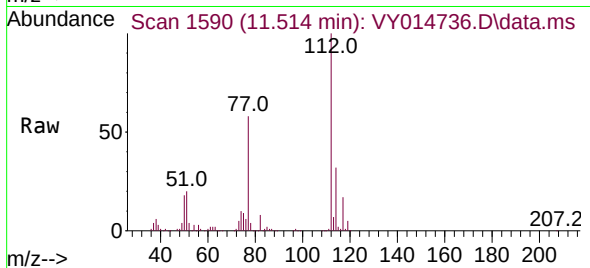
Tgt Ion:164 Resp: 63358
Ion Ratio Lower Upper
164 100
166 128.8 103.0 154.6
129 93.9 77.2 115.8
131 95.2 69.6 104.4





#65
Chlorobenzene
Concen: 20.692 ug/l
RT: 11.514 min Scan# 11590
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

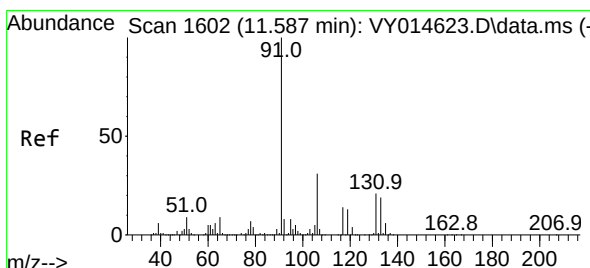
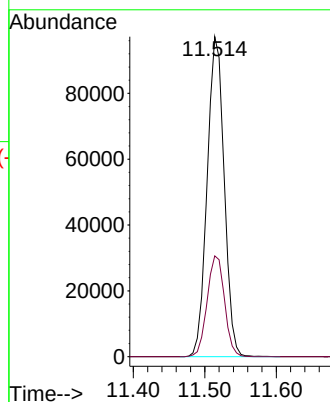
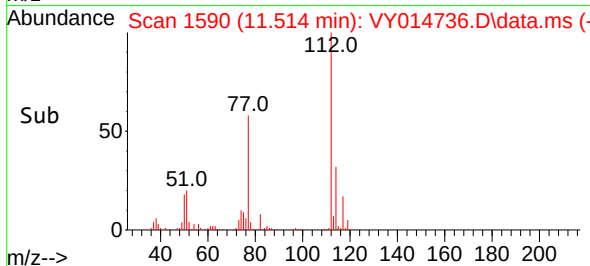
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01



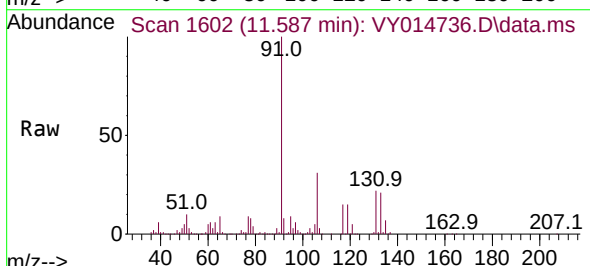
Tgt Ion:112 Resp: 160680
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3

Manual Integrations
APPROVED

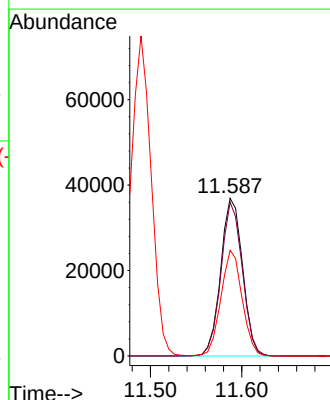
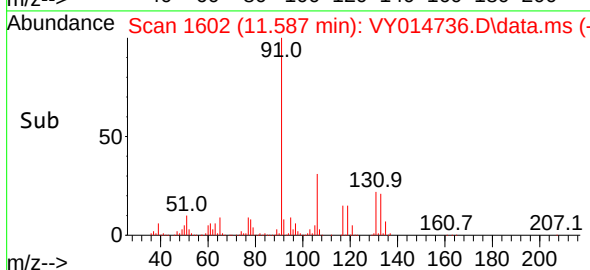
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

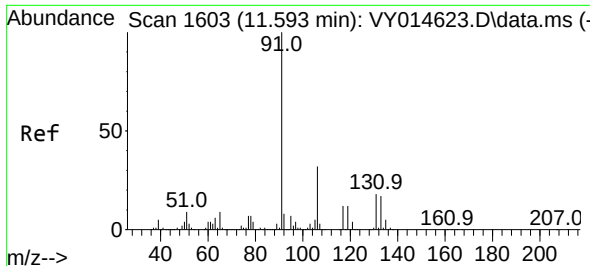


#66
1,1,1,2-Tetrachloroethane
Concen: 20.915 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58



Tgt Ion:131 Resp: 61237
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.6
119 65.3 31.6 94.7





#67

Ethyl Benzene

Concen: 20.417 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBSD01

Tgt Ion: 91 Resp: 286249

Ion Ratio Lower Upper

91 100

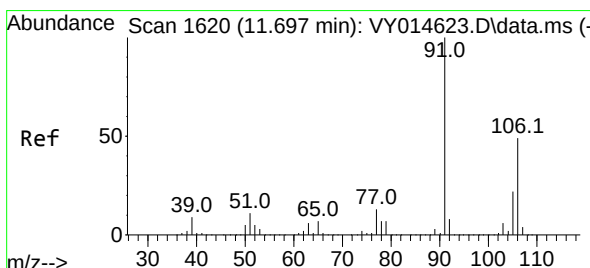
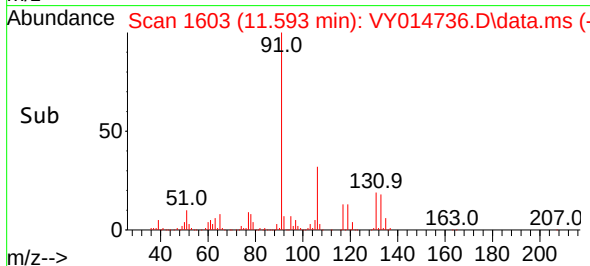
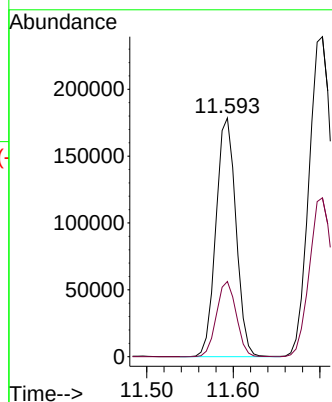
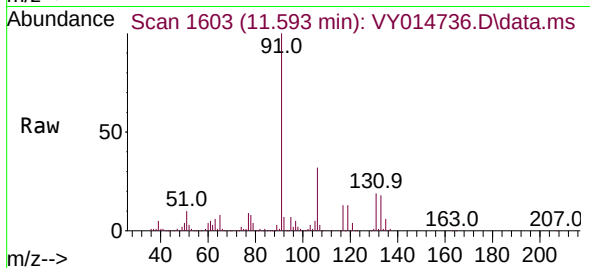
106 31.5 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#68

m/p-Xylenes

Concen: 41.074 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY014736.D

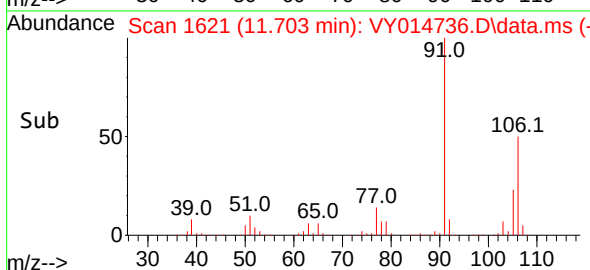
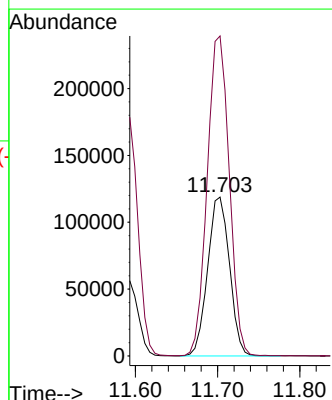
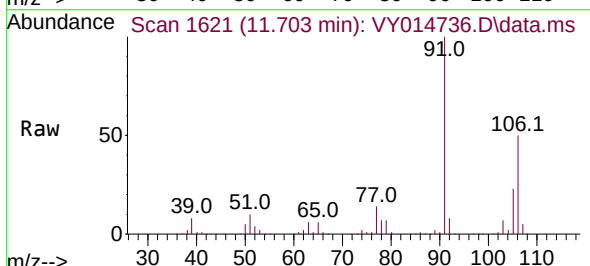
Acq: 21 Jul 2023 10:58

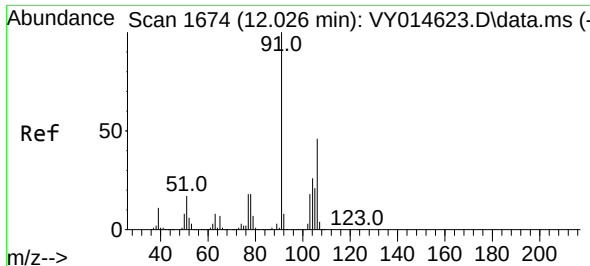
Tgt Ion:106 Resp: 219826

Ion Ratio Lower Upper

106 100

91 203.2 166.1 249.1





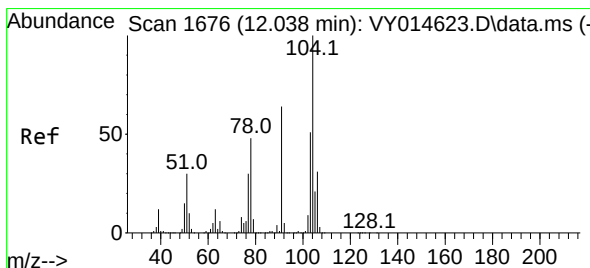
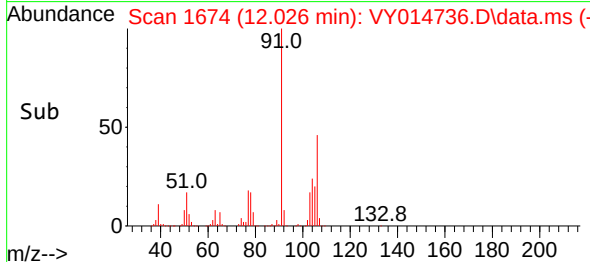
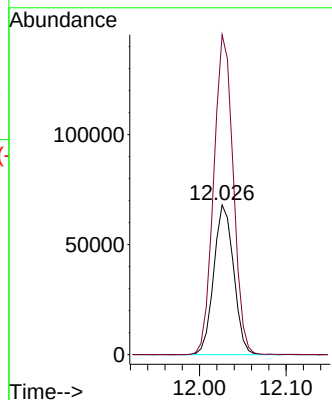
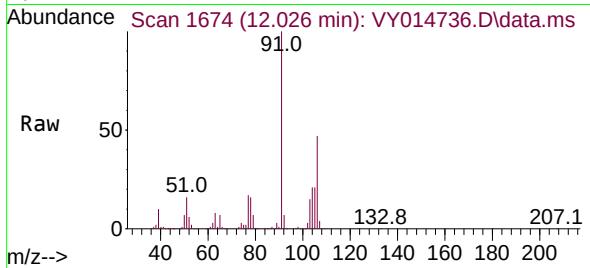
#69
o-Xylene
Concen: 20.817 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Tgt Ion:106 Resp: 10851
Ion Ratio Lower Upper
106 100
91 210.5 108.1 324.3

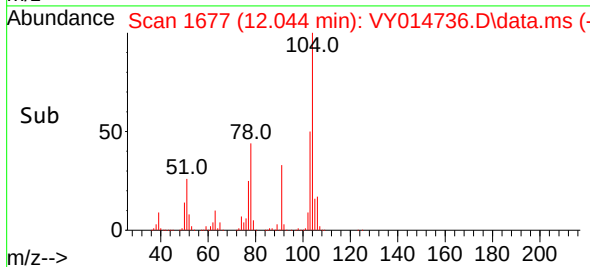
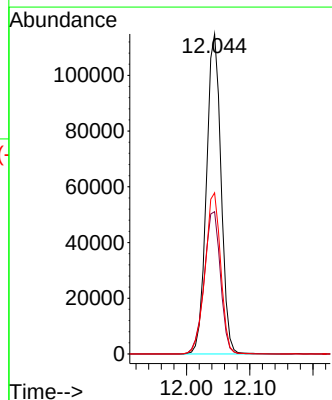
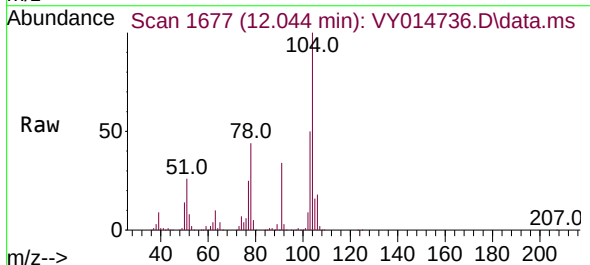
Manual Integrations
APPROVED

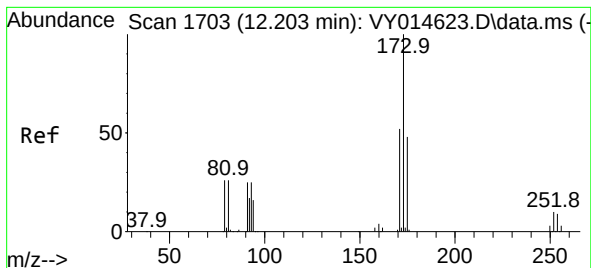
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#70
Styrene
Concen: 20.969 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion:104 Resp: 184230
Ion Ratio Lower Upper
104 100
78 49.7 41.5 62.3
103 54.0 44.6 67.0





#71

Bromoform

Concen: 21.930 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBSD01

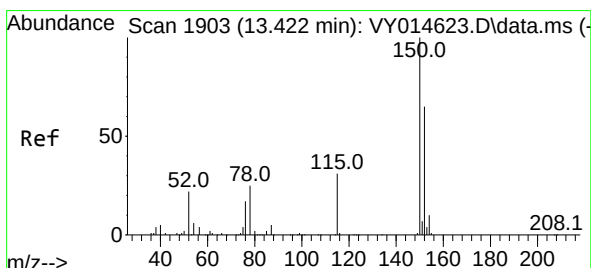
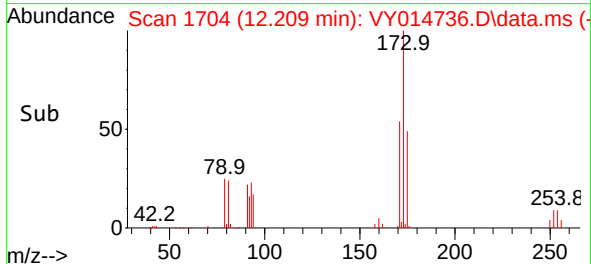
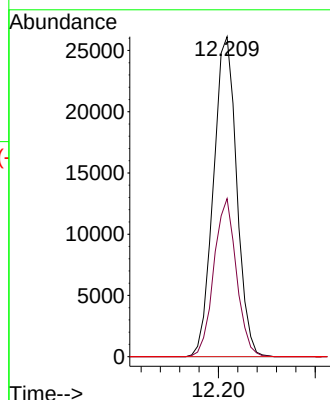
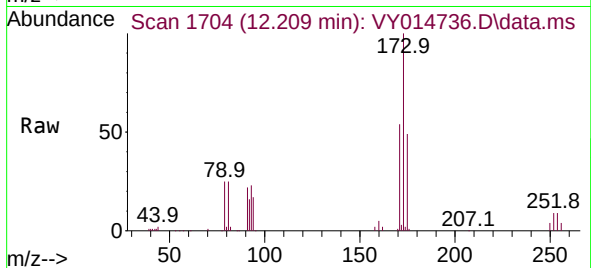
Tgt Ion:173	Resp:	4352
Ion Ratio	Lower	Upper
173	100	
175	48.0	24.6 73.8
254	0.0	0.2 0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

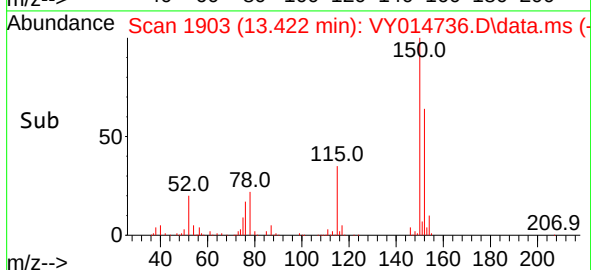
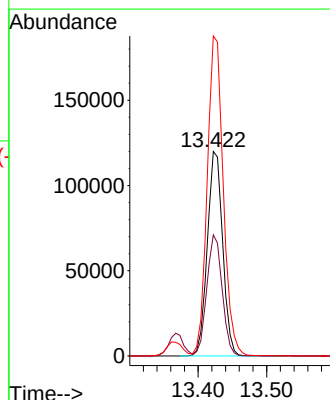
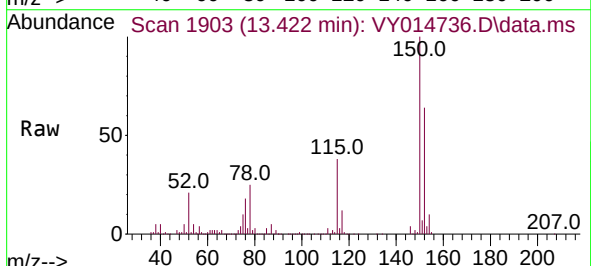
RT: 13.422 min Scan# 1903

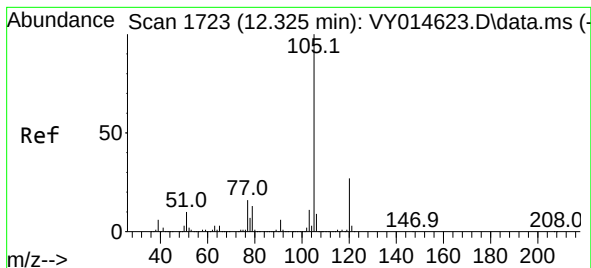
Delta R.T. 0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Tgt Ion:152	Resp:	187104
Ion Ratio	Lower	Upper
152	100	
115	59.2	28.8 86.5
150	163.5	0.0 348.8





#73

Isopropylbenzene

Concen: 19.553 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.006 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBS01

Tgt Ion:105 Resp: 286458

Ion Ratio Lower Upper

105 100

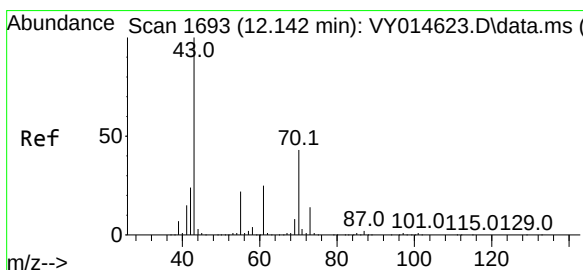
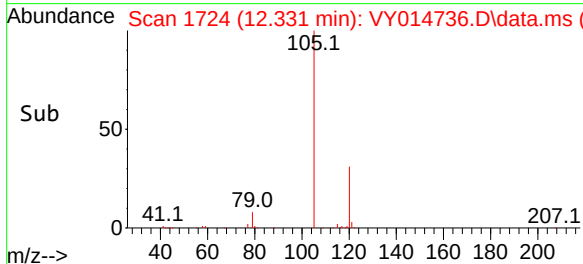
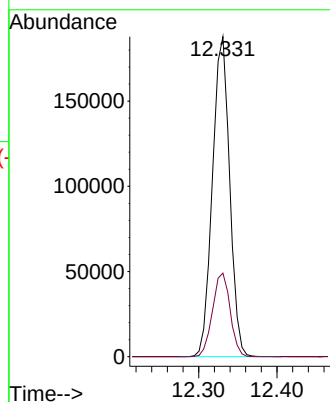
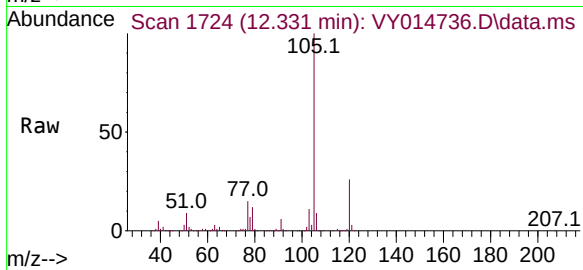
120 26.7 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#74

N-amy1 acetate

Concen: 20.163 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Tgt Ion: 43 Resp: 98931

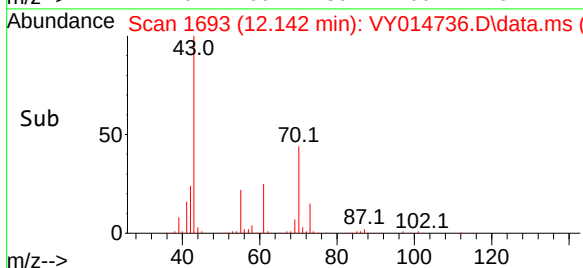
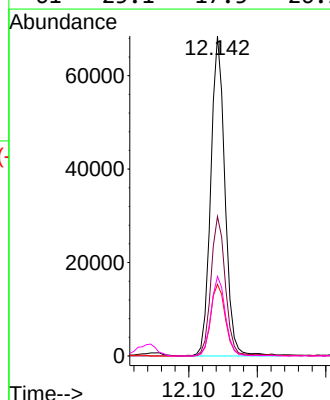
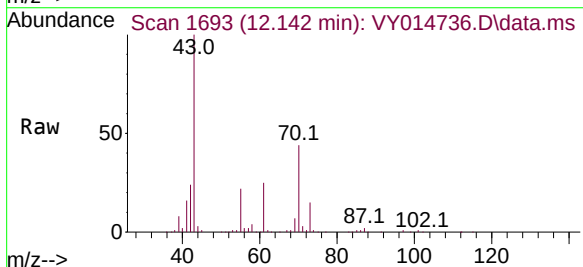
Ion Ratio Lower Upper

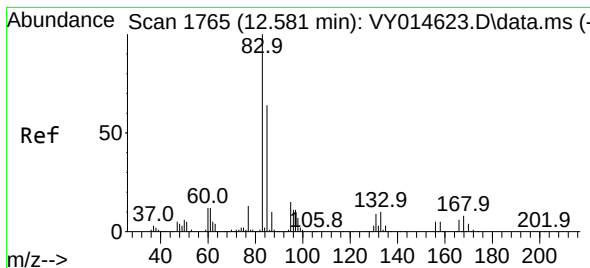
43 100

70 43.9 29.7 44.5

55 23.3 18.3 27.5

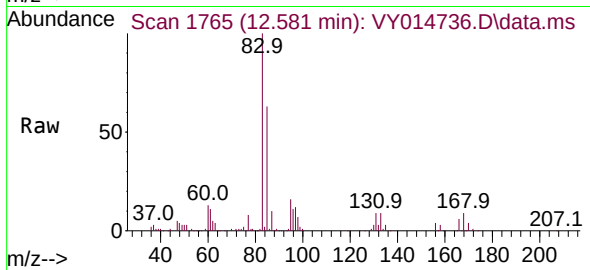
61 25.1 17.5 26.3





#75
1,1,2,2-Tetrachloroethane
Concen: 20.816 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

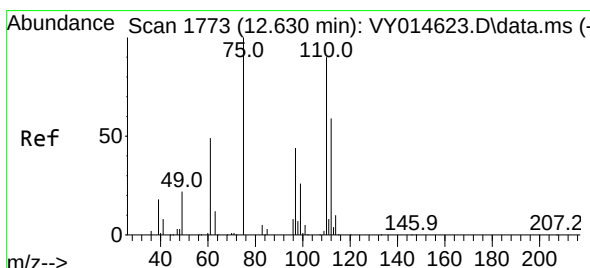
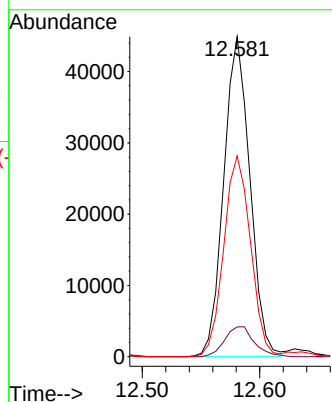
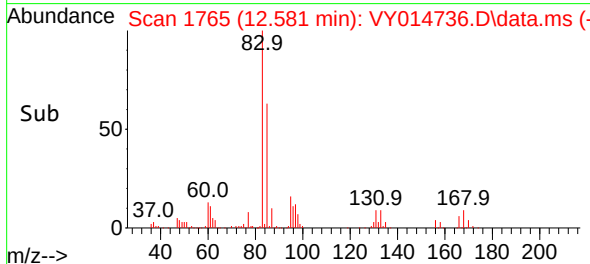
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



Tgt Ion: 83 Resp: 6954
Ion Ratio Lower Upper
83 100
131 10.5 5.4 16.2
85 64.2 31.8 95.4

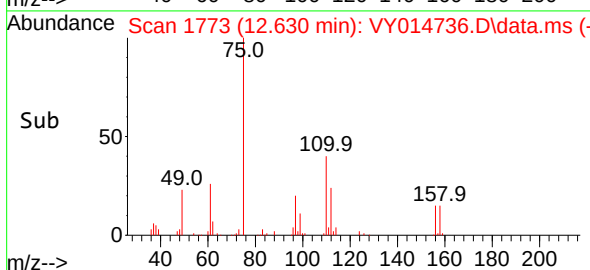
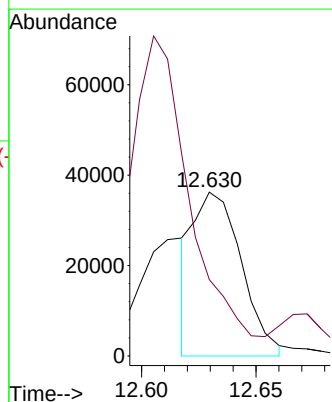
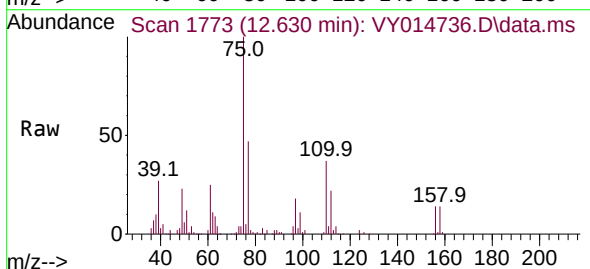
Manual Integrations
APPROVED

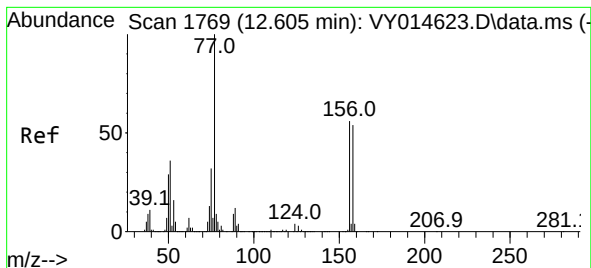
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#76
1,2,3-Trichloropropane
Concen: 22.377 ug/l m
RT: 12.630 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion: 75 Resp: 52878
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.621 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY014736.D

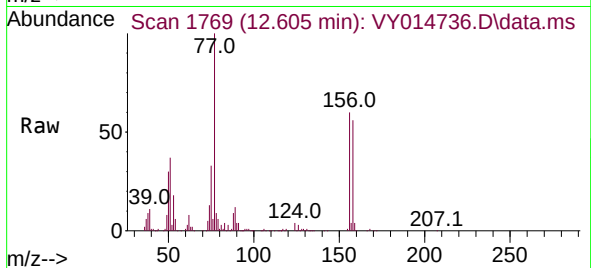
Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBS01



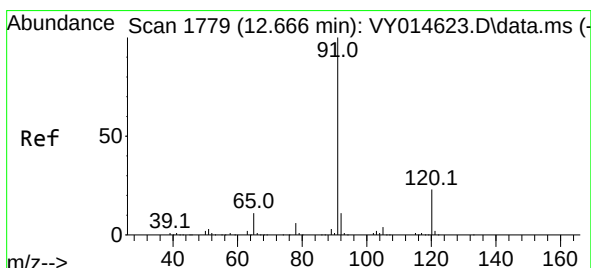
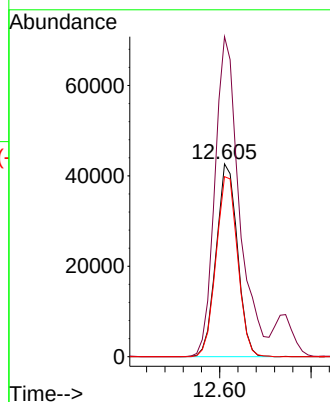
Tgt Ion:	156	Resp:	6896
Ion Ratio	100	Lower	Upper
156	100		
77	191.4	92.8	278.6
158	95.0	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#78

n-propylbenzene

Concen: 19.346 ug/l

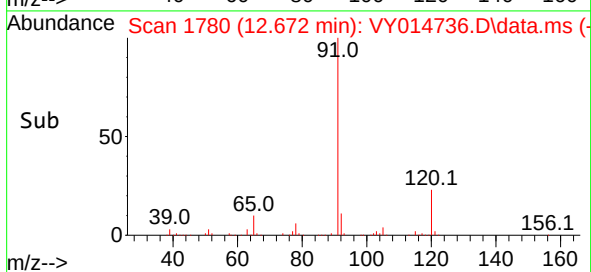
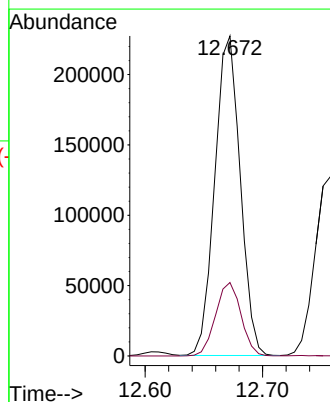
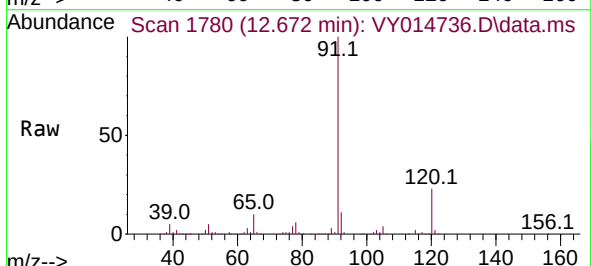
RT: 12.672 min Scan# 1780

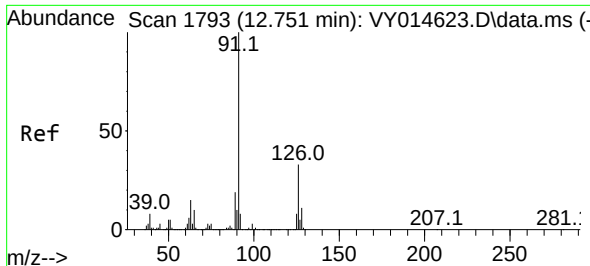
Delta R.T. 0.006 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Tgt Ion:	91	Resp:	341533
Ion Ratio	100	Lower	Upper
91	100		
120	23.0	11.5	34.4





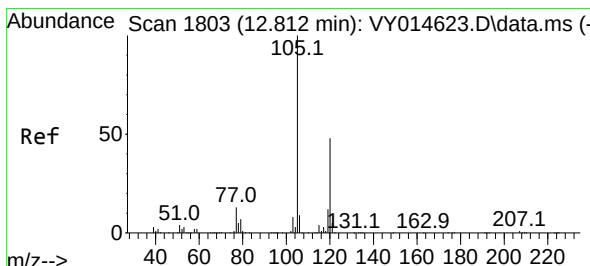
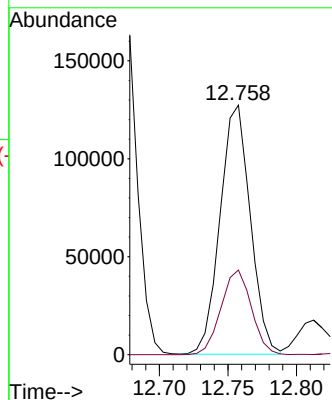
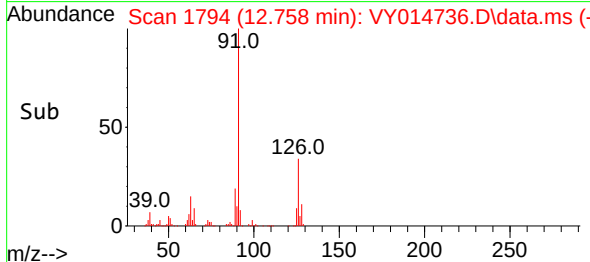
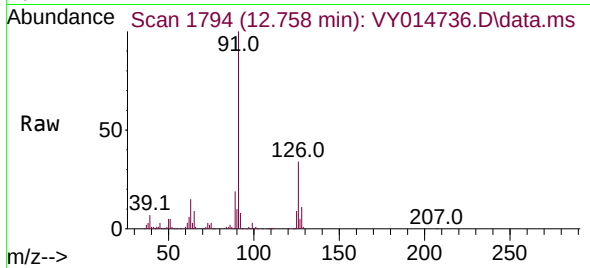
#79
2-Chlorotoluene
Concen: 19.236 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. 0.007 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Tgt Ion: 91 Resp: 19559
Ion Ratio Lower Upper
91 100
126 34.1 17.3 51.7

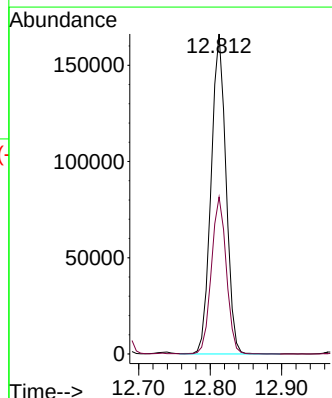
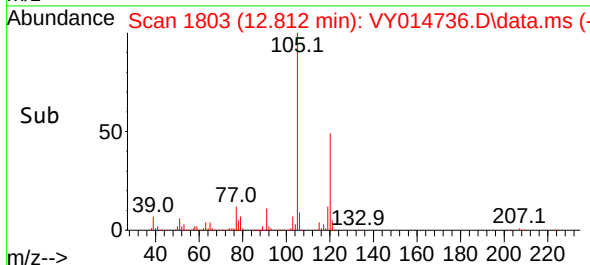
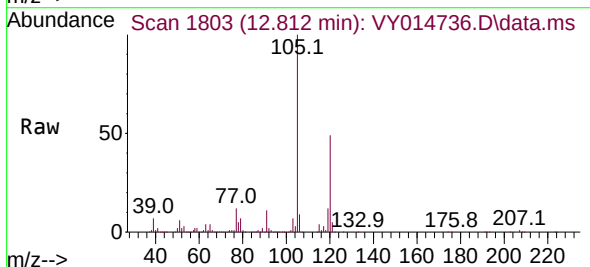
Manual Integrations
APPROVED

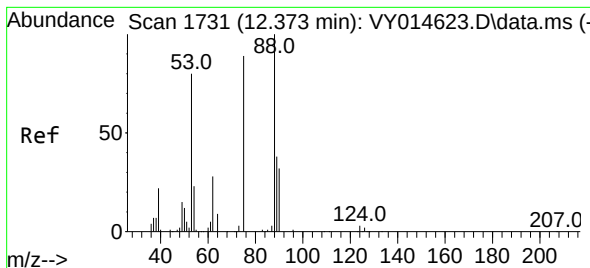
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#80
1,3,5-Trimethylbenzene
Concen: 19.632 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

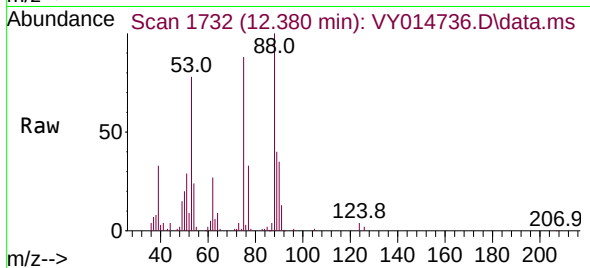
Tgt Ion:105 Resp: 240203
Ion Ratio Lower Upper
105 100
120 49.1 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 20.033 ug/l
RT: 12.380 min Scan# 1731
Delta R.T. 0.007 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

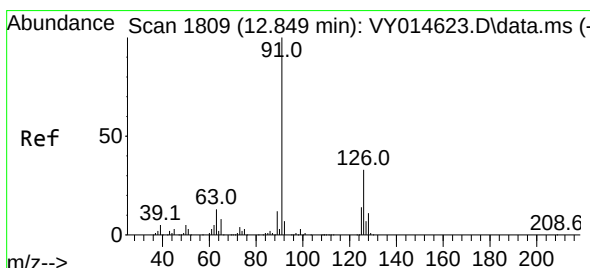
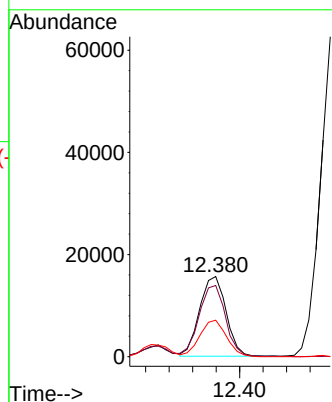
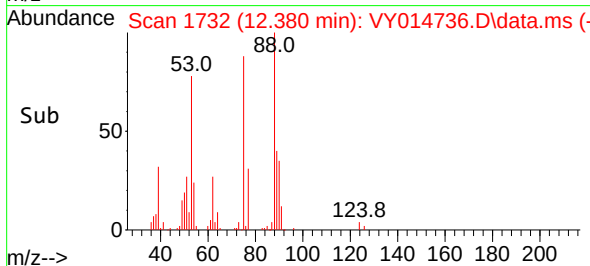
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01



Tgt Ion: 75 Resp: 24450
Ion Ratio Lower Upper
75 100
53 91.1 77.8 116.8
89 46.2 37.4 56.0

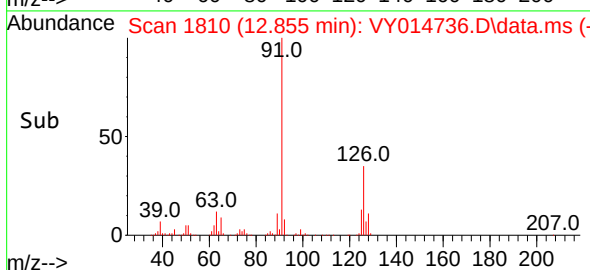
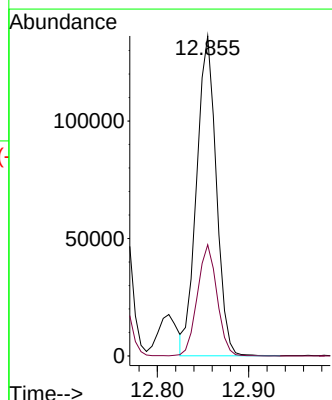
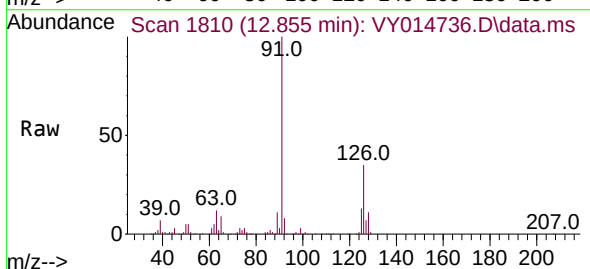
Manual Integrations
APPROVED

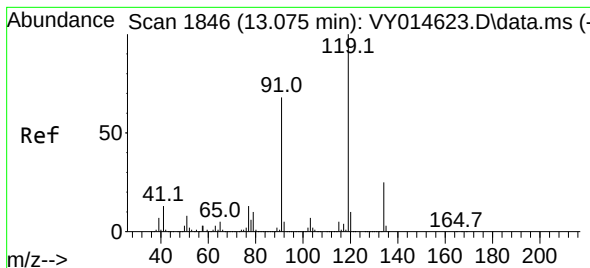
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#82
4-Chlorotoluene
Concen: 19.396 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion: 91 Resp: 203119
Ion Ratio Lower Upper
91 100
126 34.8 17.2 51.6





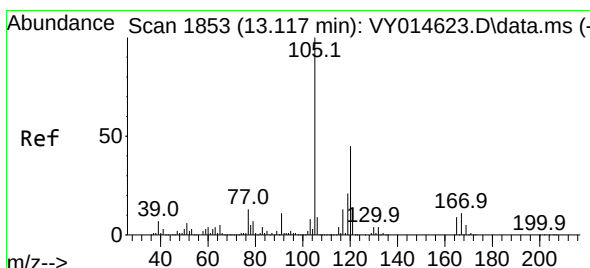
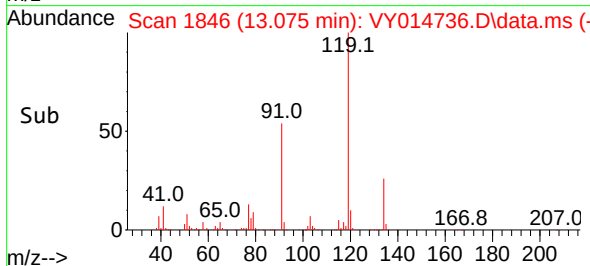
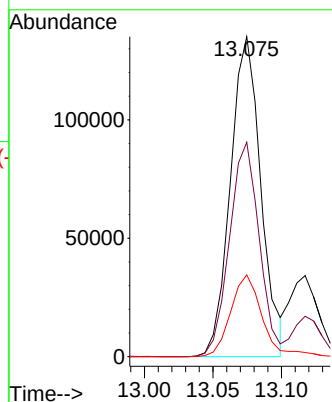
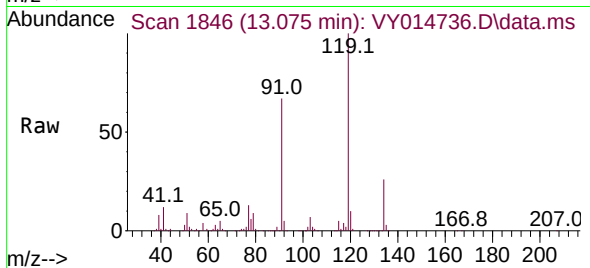
#83
tert-Butylbenzene
Concen: 19.316 ug/l
RT: 13.075 min Scan# 119
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Tgt Ion:119 Resp: 20964
Ion Ratio Lower Upper
119 100
91 65.4 32.9 98.6
134 26.5 13.0 38.9

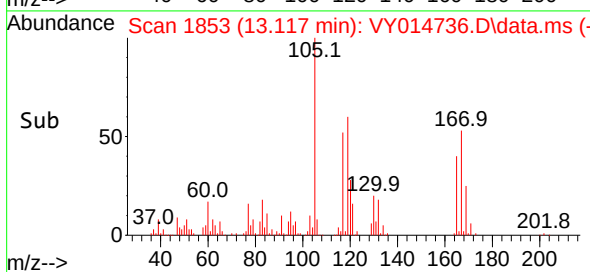
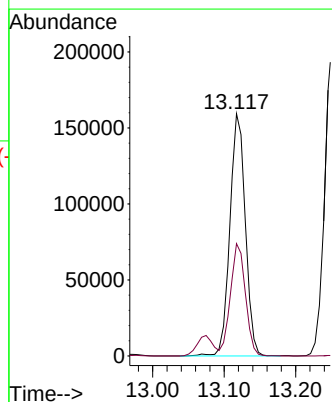
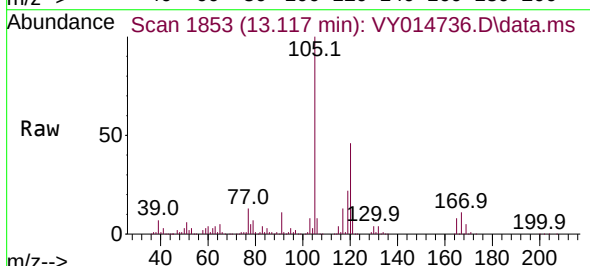
Manual Integrations
APPROVED

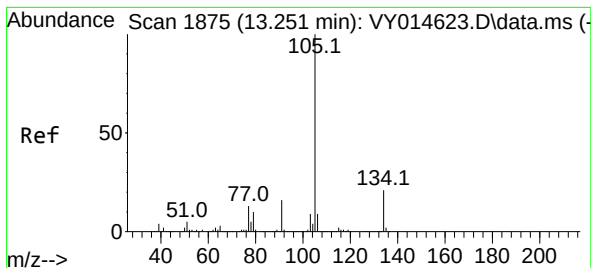
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#84
1,2,4-Trimethylbenzene
Concen: 19.876 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion:105 Resp: 238664
Ion Ratio Lower Upper
105 100
120 45.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.792 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBSD01

Tgt Ion:105 Resp: 315100

Ion Ratio Lower Upper

105 100

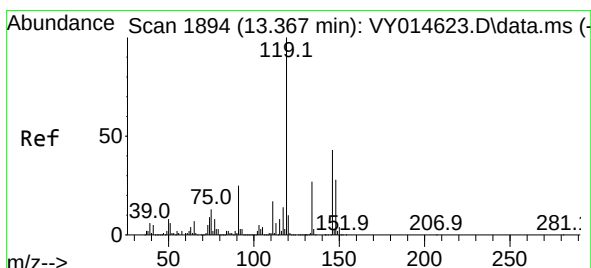
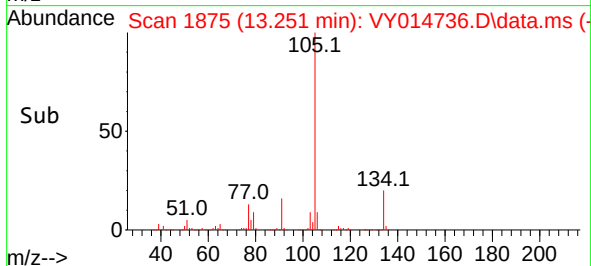
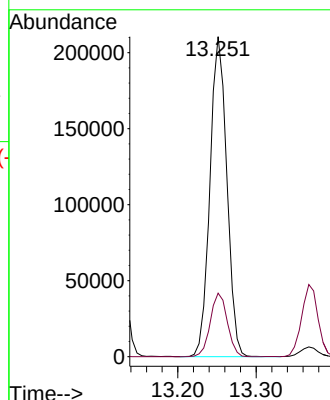
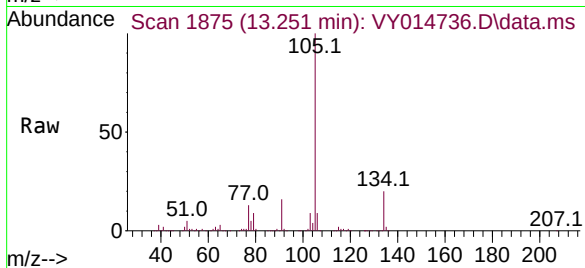
134 19.9 10.2 30.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#86

p-Isopropyltoluene

Concen: 19.975 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

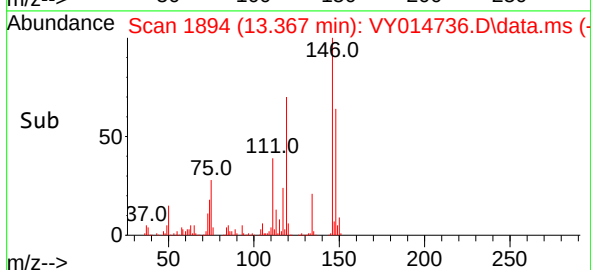
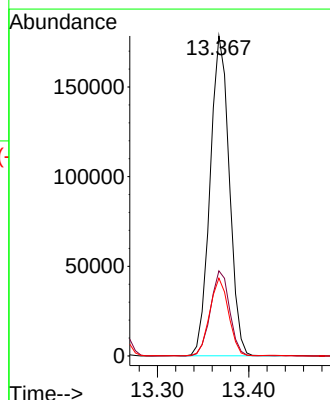
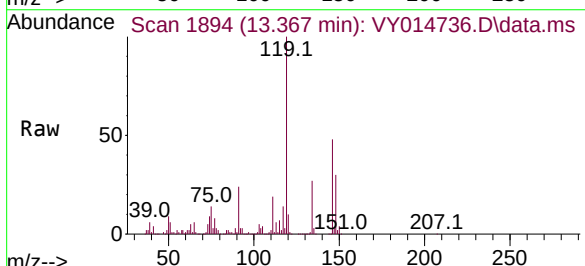
Tgt Ion:119 Resp: 259659

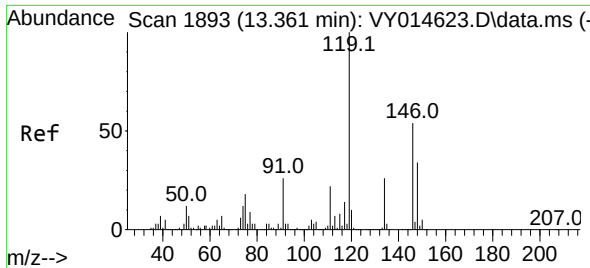
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.9 12.4 37.4





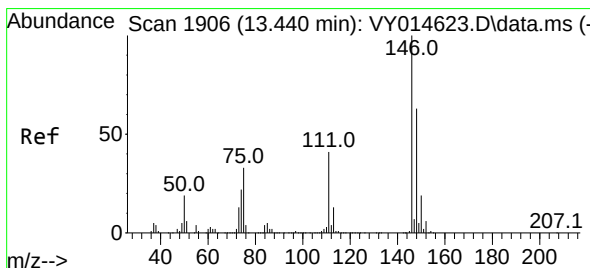
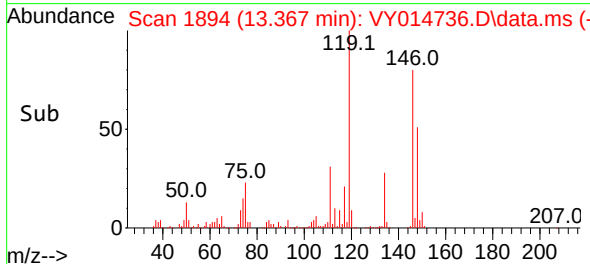
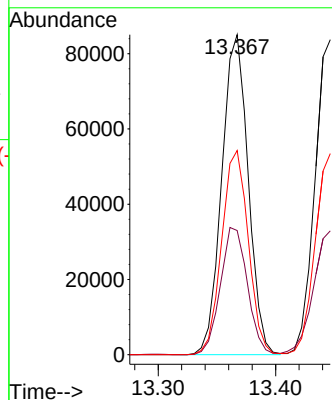
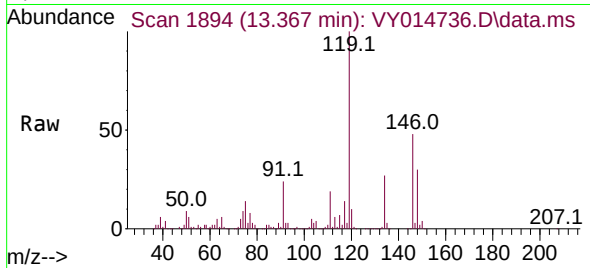
#87
1,3-Dichlorobenzene
Concen: 20.412 ug/l
RT: 13.367 min Scan# 1893
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Tgt Ion:146 Resp: 132852
Ion Ratio Lower Upper
146 100
111 40.7 19.4 58.2
148 64.2 31.9 95.5

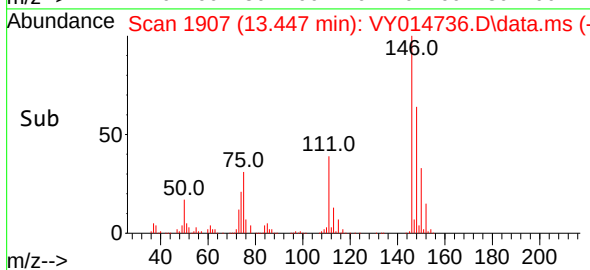
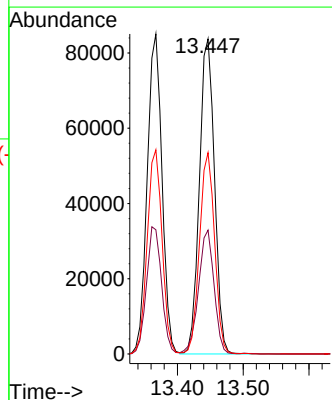
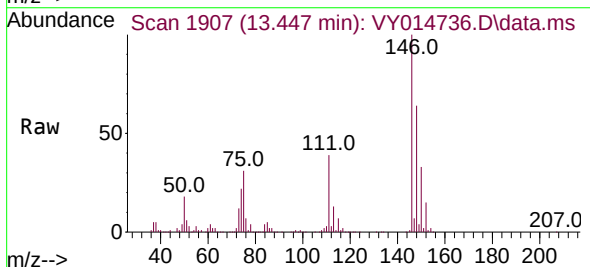
Manual Integrations
APPROVED

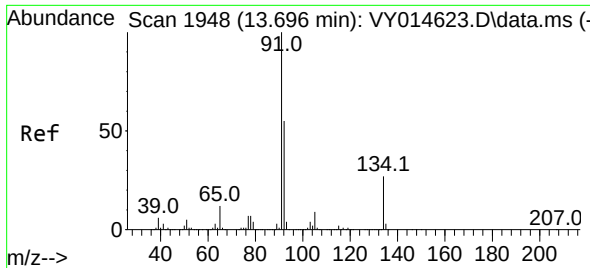
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#88
1,4-Dichlorobenzene
Concen: 20.512 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.007 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion:146 Resp: 133783
Ion Ratio Lower Upper
146 100
111 40.2 18.9 56.7
148 63.8 32.1 96.5





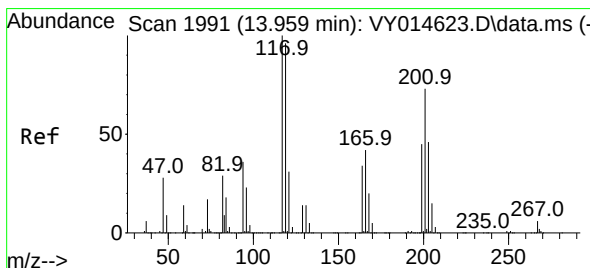
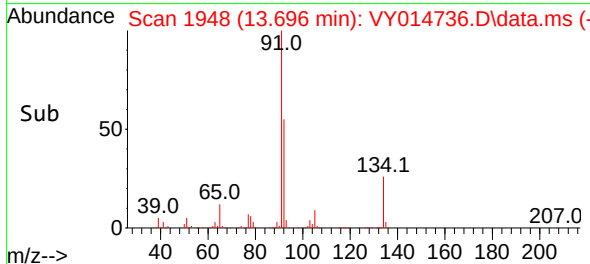
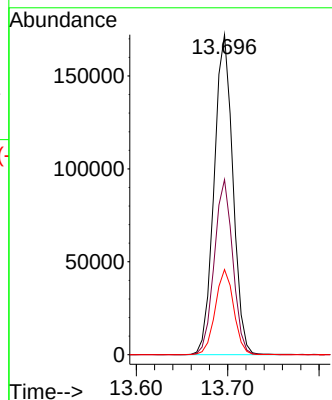
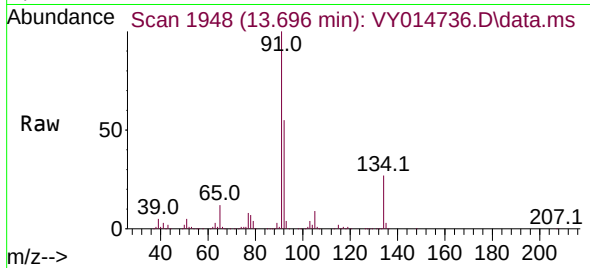
#89
n-Butylbenzene
Concen: 19.406 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01

Tgt Ion: 91 Resp: 24542
Ion Ratio Lower Upper
91 100
92 53.9 25.4 76.0
134 26.2 12.6 37.6

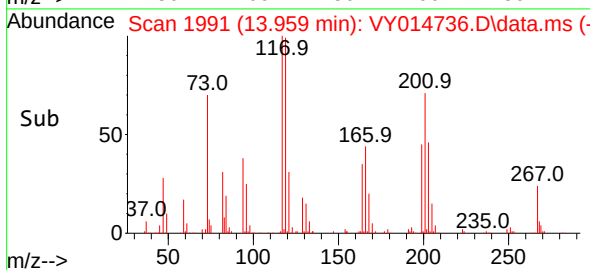
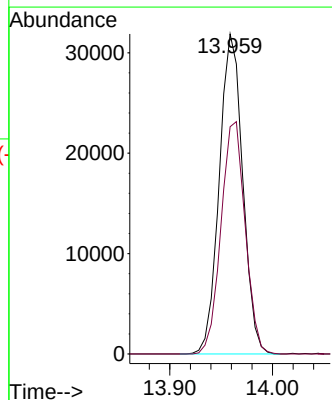
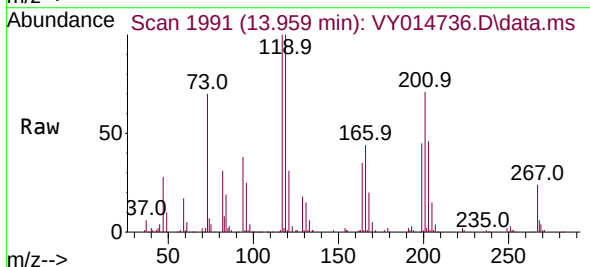
Manual Integrations
APPROVED

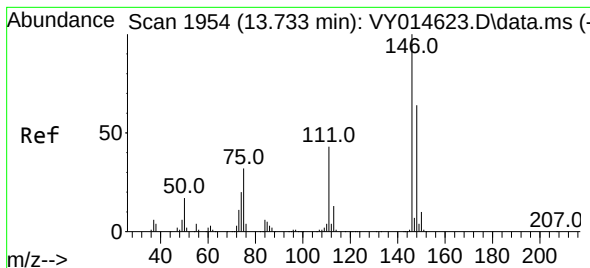
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#90
Hexachloroethane
Concen: 18.886 ug/l
RT: 13.959 min Scan# 1991
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion:117 Resp: 50426
Ion Ratio Lower Upper
117 100
201 74.8 41.6 124.8





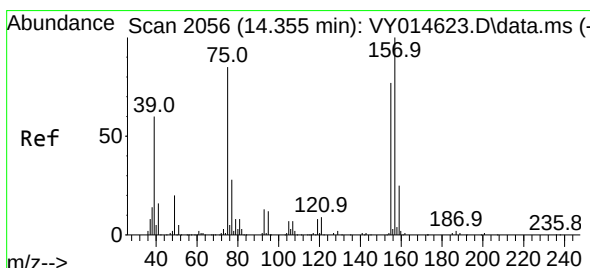
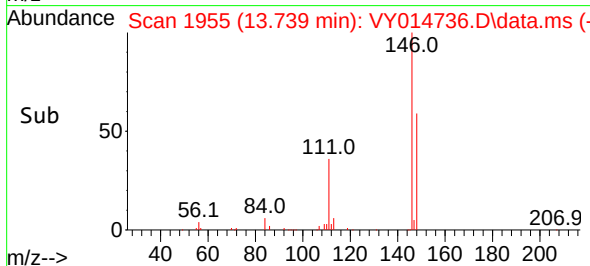
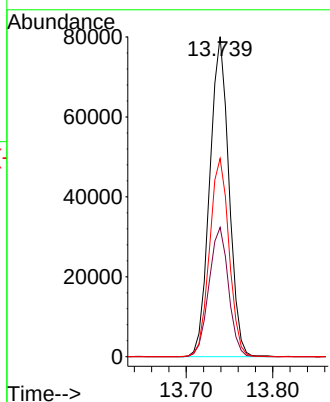
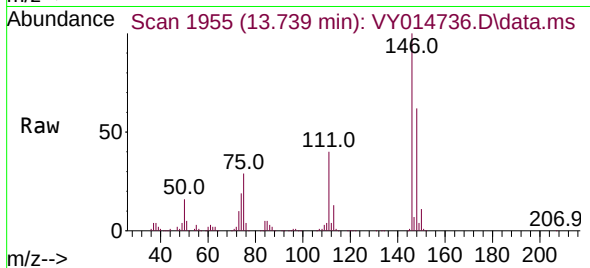
#91
1,2-Dichlorobenzene
Concen: 20.642 ug/l
RT: 13.739 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01

Tgt Ion:146 Resp: 123090
Ion Ratio Lower Upper
146 100
111 41.1 19.7 59.0
148 63.0 32.0 96.2

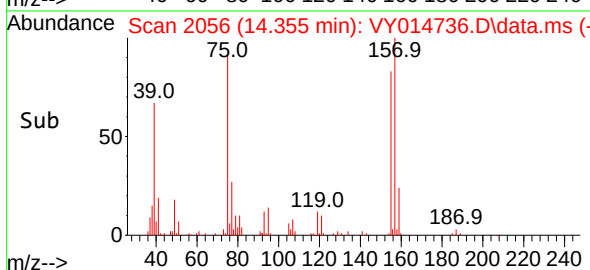
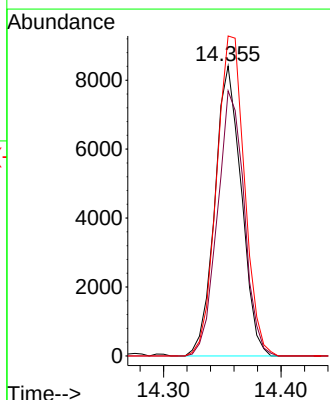
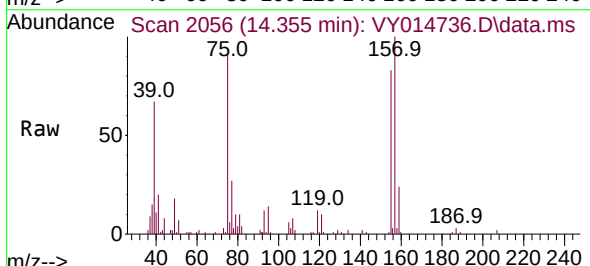
Manual Integrations
APPROVED

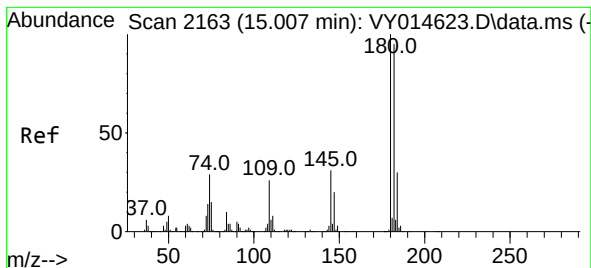
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.677 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion: 75 Resp: 13211
Ion Ratio Lower Upper
75 100
155 91.7 41.5 124.6
157 116.3 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 20.279 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBSD01

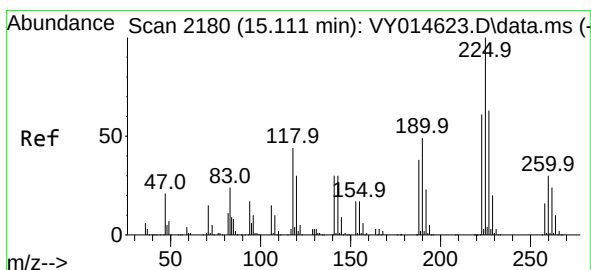
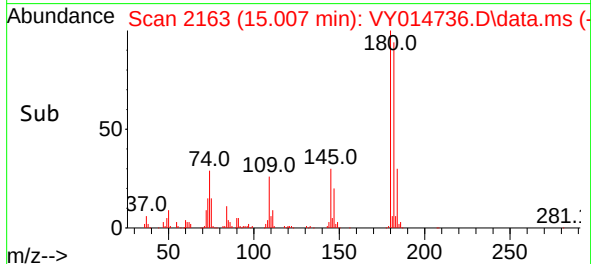
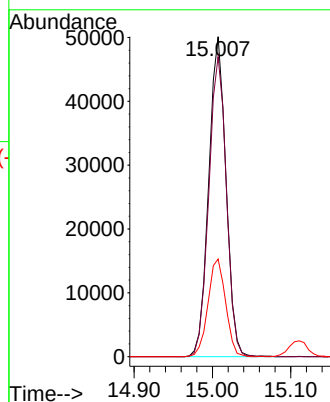
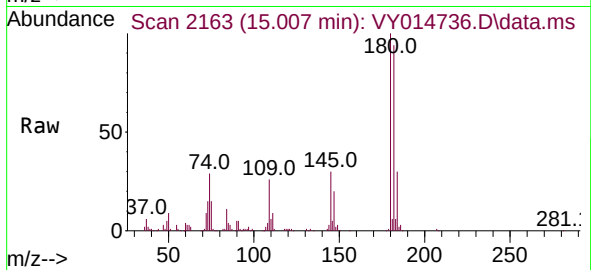
Tgt Ion:180	Resp:	7676
Ion Ratio	Lower	Upper
180	100	
182	95.1	47.0 141.2
145	31.2	14.5 43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#94

Hexachlorobutadiene

Concen: 20.067 ug/l

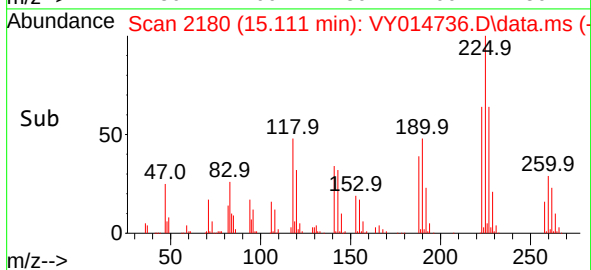
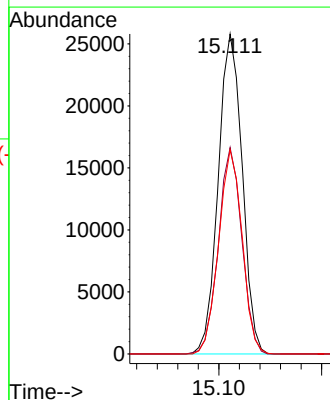
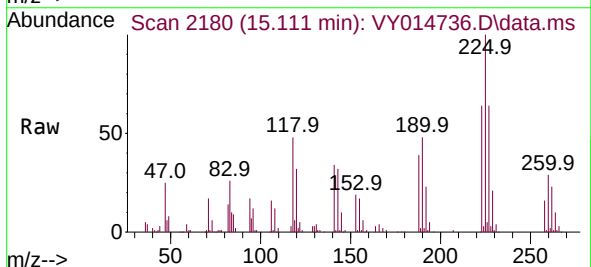
RT: 15.111 min Scan# 2180

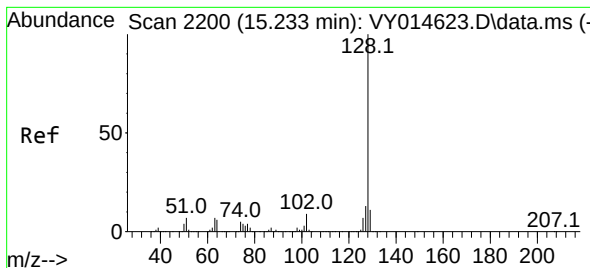
Delta R.T. -0.000 min

Lab File: VY014736.D

Acq: 21 Jul 2023 10:58

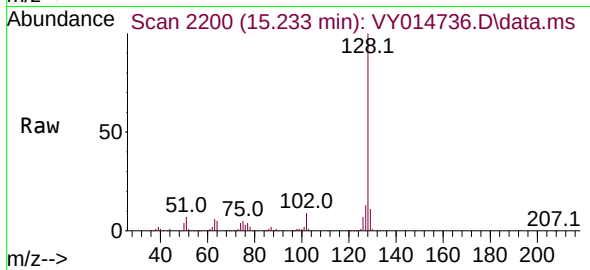
Tgt Ion:225	Resp:	41743
Ion Ratio	Lower	Upper
225	100	
223	63.0	31.9 95.9
227	62.5	33.0 98.9





#95
Naphthalene
Concen: 21.036 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

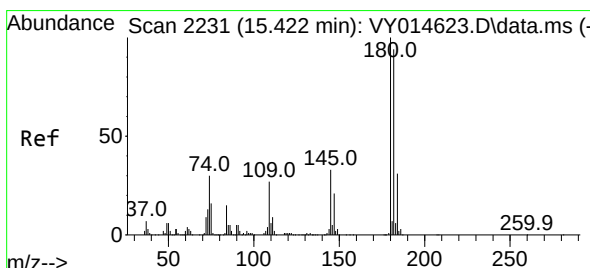
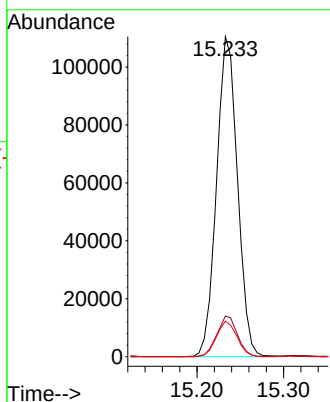
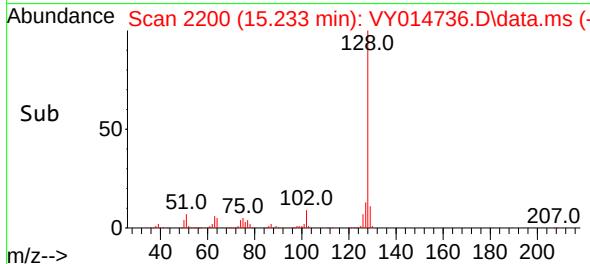
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01



Tgt Ion:128 Resp: 18551
Ion Ratio Lower Upper
128 100
127 12.5 10.8 16.2
129 10.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#96
1,2,3-Trichlorobenzene
Concen: 20.338 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY014736.D
Acq: 21 Jul 2023 10:58

Tgt Ion:180 Resp: 68423
Ion Ratio Lower Upper
180 100
182 93.9 47.3 141.8
145 33.3 15.4 46.2

