

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
 Data File : VU054893.D
 Acq On : 27 Jul 2023 12:09
 Operator : MD/SY
 Sample : VU0727WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 05:44:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 09:45:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	26896	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	8768	1.075	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9822	1.066	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	9114	1.780	ug/l	95
3) Chloromethane	1.518	50	10308	1.792	ug/l	97
4) Vinyl Chloride	1.602	62	13440	1.749	ug/l	98
5) Bromomethane	1.853	94	11711	1.921	ug/l	94
6) Chloroethane	1.930	64	11795	1.485	ug/l	99
7) Trichlorofluoromethane	2.136	101	28330	1.569	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	9842	1.682	ug/l	95
9) 1,1-Dichloroethene	2.573	96	8092	1.743	ug/l	94
10) Iodomethane	2.718	142	10897	1.503	ug/l	96
11) Allyl Chloride	2.920	41	9288	1.674	ug/l	98
12) Acrylonitrile	3.332	53	4609m	3.955	ug/l	
13) Acetone	2.647	43	9316	7.648	ug/l	93
14) Carbon Disulfide	2.788	76	13563	1.686	ug/l	# 90
15) Methylene Chloride	3.039	84	12667	2.097	ug/l	99
16) trans-1,2-Dichloroethene	3.351	96	8987	1.778	ug/l	95
17) 1,1-Dichloroethane	3.865	63	20102	1.778	ug/l	# 90
18) 2-Butanone	4.724	43	14170m	9.222	ug/l	
19) Cyclohexane	5.383	56	12301m	1.934	ug/l	
20) Methylcyclohexane	6.759	83	15015	1.765	ug/l	98
21) 2,2-Dichloropropane	4.656	77	16689	1.592	ug/l	94
22) cis-1,2-Dichloroethene	4.663	96	12249	1.823	ug/l	96
23) Diethyl Ether	2.374	59	12726	1.858	ug/l	98
24) tert-Butyl Alcohol	3.216	59	12076m	18.948	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	26810	1.866	ug/l	97
26) Bromochloromethane	4.972	128	4886	1.773	ug/l	96
27) Chloroform	5.084	83	22017	1.813	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	19014	1.813	ug/l	98
29) 1,1-Dichloropropene	5.525	75	12663	1.637	ug/l	98
30) Carbon Tetrachloride	5.518	117	15074	1.722	ug/l	88
31) Isopropyl Ether	3.984	45	29224	1.751	ug/l	95
32) Ethyl-t-butyl ether	4.502	59	32188	1.873	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	30896	1.902	ug/l	99
34) Propionitrile	4.804	54	3946m	9.315	ug/l	
35) Benzene	5.772	78	44013	1.817	ug/l	98
36) 1,2-Dichloroethane	5.795	62	13121	1.904	ug/l	95
37) Trichloroethene	6.541	130	11856	1.820	ug/l	99
38) 1,2-Dichloropropane	6.788	63	12301	1.796	ug/l	92
39) Methacrylonitrile	4.978	41	3674m	2.163	ug/l	
40) Methyl acrylate	4.859	55	5965	2.209	ug/l	# 74
41) Tetrahydrofuran	5.068	42	3461m	3.564	ug/l	
42) 1-Chlorobutane	5.457	56	16741	1.653	ug/l	93
43) Dibromomethane	6.917	93	5734	1.783	ug/l	93
44) Bromodichloromethane	7.103	83	16059	1.792	ug/l	# 96

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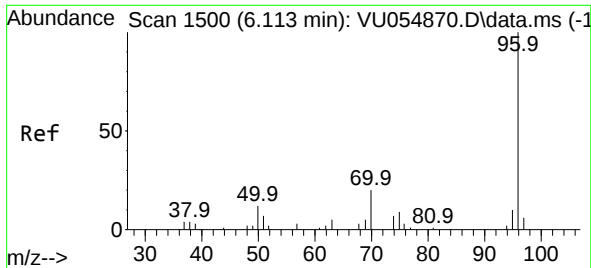
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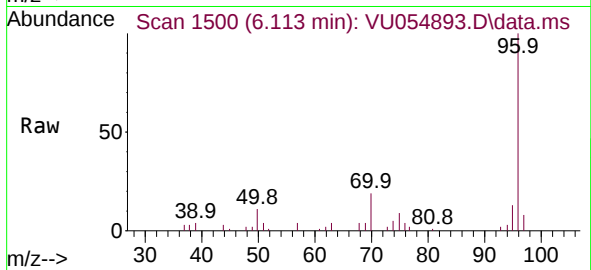
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	37612	10.022	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	5657m	3.746	ug/l	
47) Methyl methacrylate	6.962	69	11243	3.823	ug/l	94
48) Ethyl methacrylate	8.332	69	11676	1.963	ug/l	100
49) Toluene	7.965	92	27040	1.752	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	14062	1.767	ug/l #	87
51) cis-1,3-Dichloropropene	7.605	75	17458	1.785	ug/l	97
52) 1,1,2-Trichloroethane	8.399	97	9580	1.879	ug/l #	81
53) 1,3-Dichloropropane	8.573	76	16133	1.956	ug/l	94
54) 2-Hexanone	8.685	43	26730	10.023	ug/l	99
55) Dibromochloromethane	8.807	129	10814	1.851	ug/l	94
56) 1,2-Dibromoethane	8.923	107	8604	1.991	ug/l	98
58) Tetrachloroethene	8.550	164	10730	1.887	ug/l	93
59) Chlorobenzene	9.444	112	32863	1.755	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.531	131	11824	1.788	ug/l	99
61) Pentachloroethane	11.425	117	8681	1.681	ug/l	96
62) Hexachloroethane	12.470	117	8759	1.649	ug/l	97
63) Ethyl Benzene	9.566	91	56255	1.790	ug/l	97
64) m/p-Xylenes	9.692	106	42228	3.592	ug/l	100
65) o-Xylene	10.097	106	21584	1.787	ug/l	96
66) Styrene	10.113	104	34574	1.791	ug/l	97
67) Bromoform	10.286	173	5956	1.966	ug/l #	97
69) Isopropylbenzene	10.483	105	57223	1.765	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	12290	1.947	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	9343m	2.078	ug/l	
72) Bromobenzene	10.782	156	14062	1.948	ug/l	98
73) n-propylbenzene	10.904	120	15903	1.833	ug/l	92
74) 2-Chlorotoluene	10.984	126	13888	1.849	ug/l	96
75) 1,3,5-Trimethylbenzene	11.087	105	46816	1.783	ug/l	97
76) 4-Chlorotoluene	11.097	126	13919	1.784	ug/l	89
77) tert-Butylbenzene	11.415	119	48766	1.786	ug/l	98
78) 1,2,4-Trimethylbenzene	11.466	105	46489	1.730	ug/l	98
79) sec-Butylbenzene	11.640	105	62455	1.760	ug/l	99
80) Nitrobenzene	13.219	77	1552	9.359	ug/l #	68
81) p-Isopropyltoluene	11.791	119	50101	1.789	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	29183	1.899	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	28842	1.883	ug/l	99
84) n-Butylbenzene	12.206	91	44557	1.771	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	26860	1.823	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1588	1.892	ug/l	86
87) 1,2,4-Trichlorobenzene	13.839	180	18134	1.930	ug/l	95
88) Hexachlorobutadiene	14.016	225	8804	1.757	ug/l	97
89) Naphthalene	14.084	128	30865	2.122	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	15394	1.847	ug/l	92

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

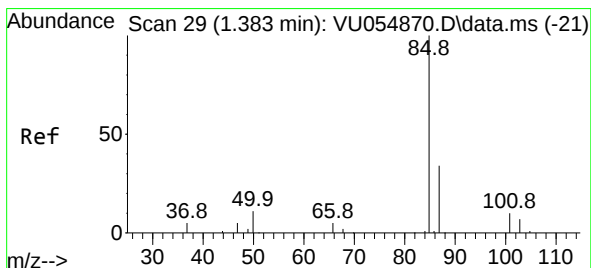
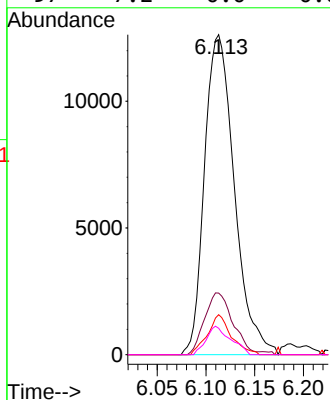
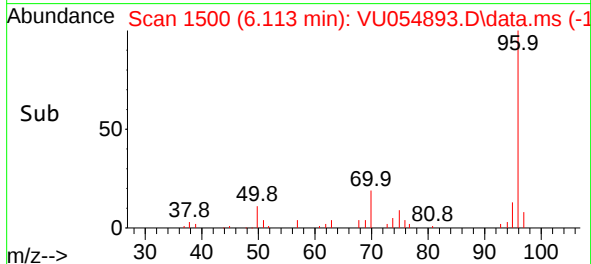
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



Tgt Ion: 96 Resp: 26890
Ion Ratio Lower Upper
96 100
70 17.4 14.0 21.0
95 10.0 8.7 13.1
97 7.2 0.0 0.0#

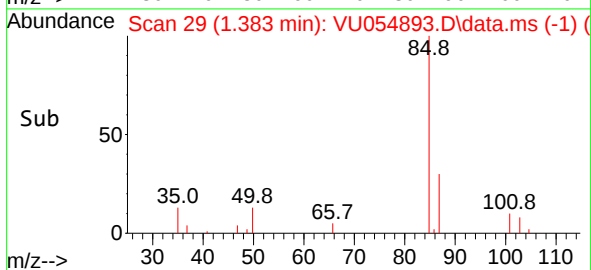
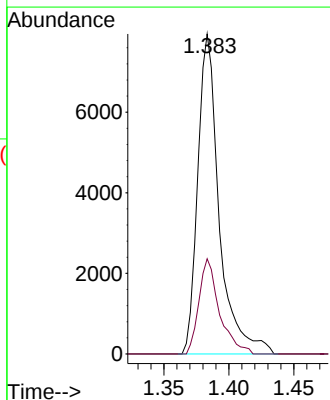
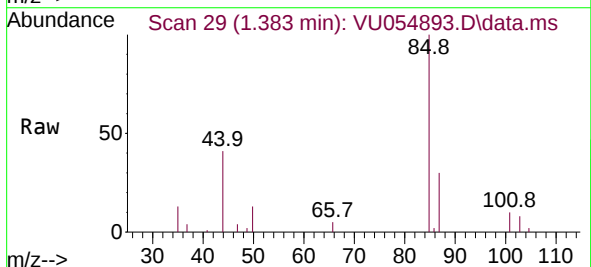
Manual Integrations
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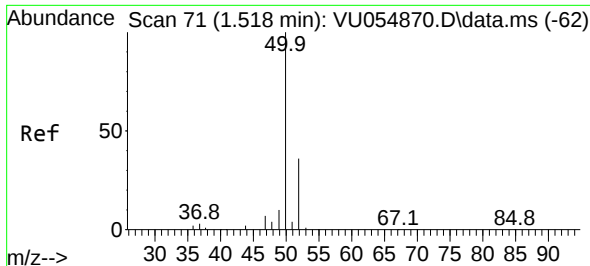
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#2
Dichlorodifluoromethane
Concen: 1.780 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

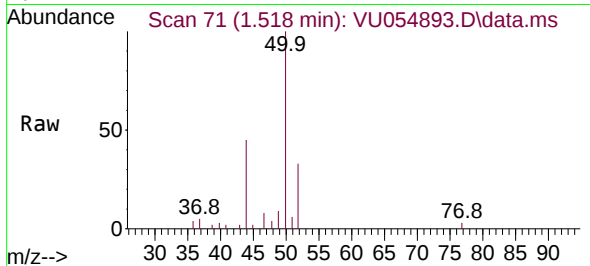
Tgt Ion: 85 Resp: 9114
Ion Ratio Lower Upper
85 100
87 29.8 16.2 48.6





#3
Chloromethane
Concen: 1.792 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

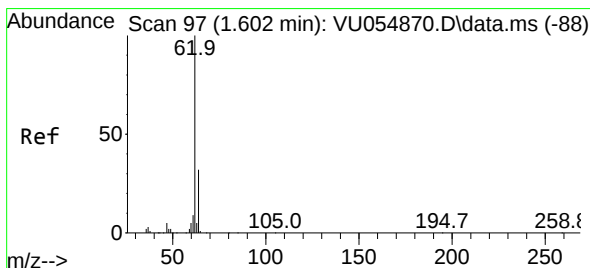
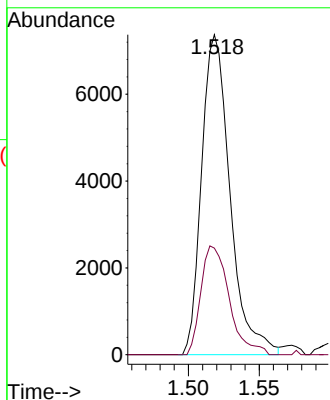
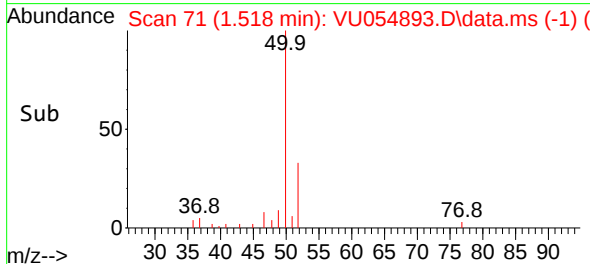
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



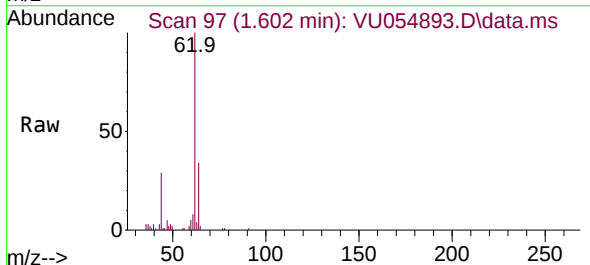
Tgt Ion: 50 Resp: 10308
Ion Ratio Lower Upper
50 100
52 33.3 28.2 42.2

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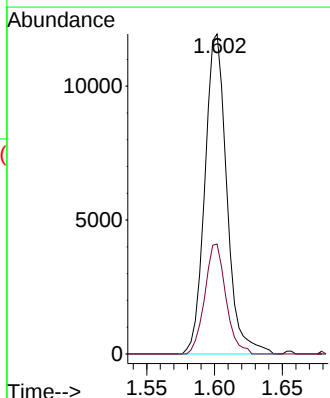
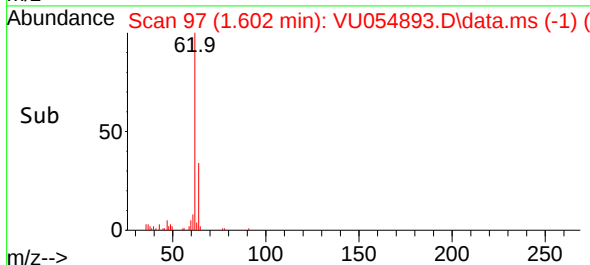
Reviewed By :John Carlone 07/28/2023
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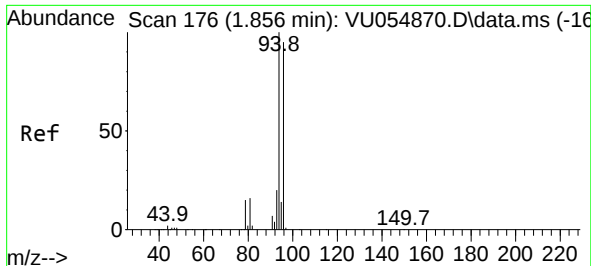


#4
Vinyl Chloride
Concen: 1.749 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



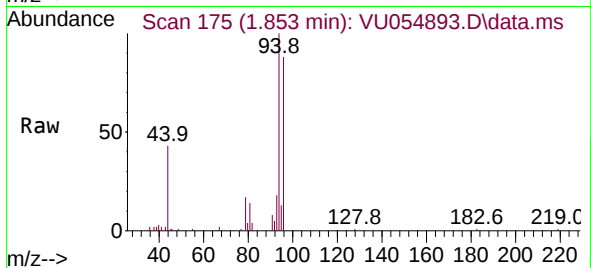
Tgt Ion: 62 Resp: 13440
Ion Ratio Lower Upper
62 100
64 34.3 26.4 39.6





#5
Bromomethane
Concen: 1.921 ug/l
RT: 1.853 min Scan# 175
Delta R.T. -0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

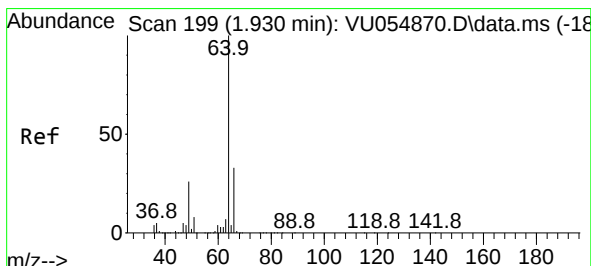
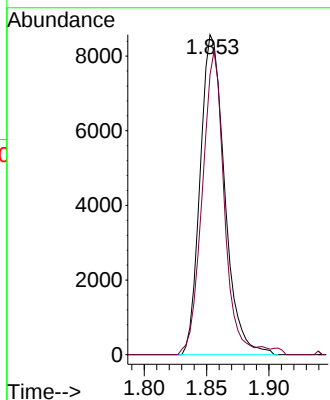
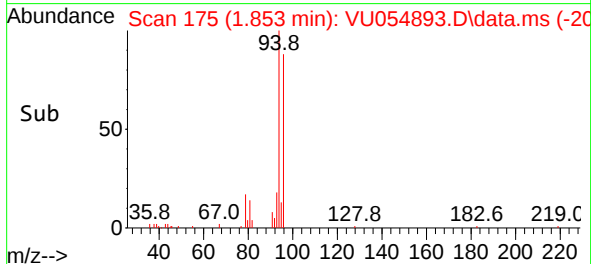
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



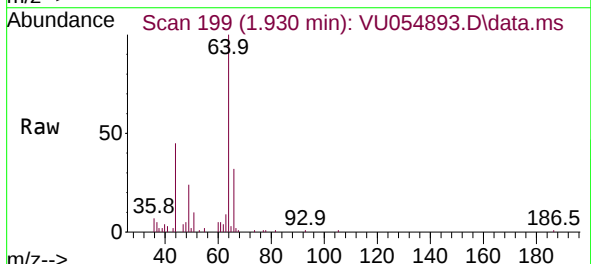
Tgt Ion: 94 Resp: 1171
Ion Ratio Lower Upper
94 100
96 87.5 74.6 111.8

Manual Integrations
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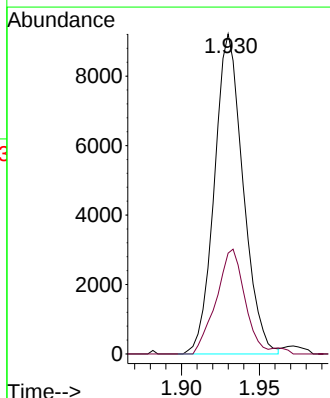
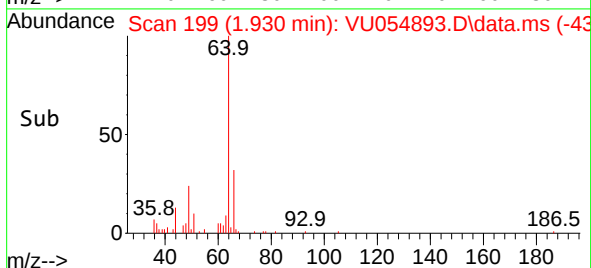
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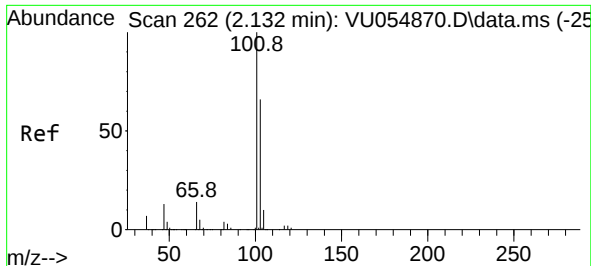


#6
Chloroethane
Concen: 1.485 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



Tgt Ion: 64 Resp: 11795
Ion Ratio Lower Upper
64 100
66 32.1 26.2 39.4





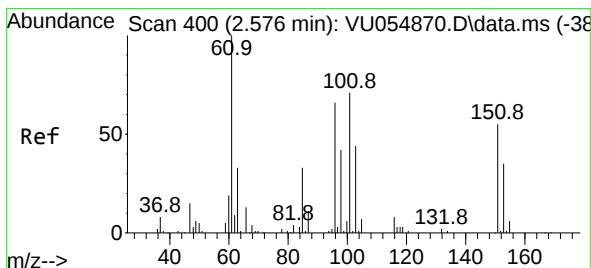
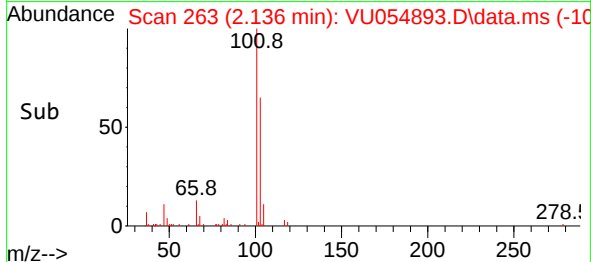
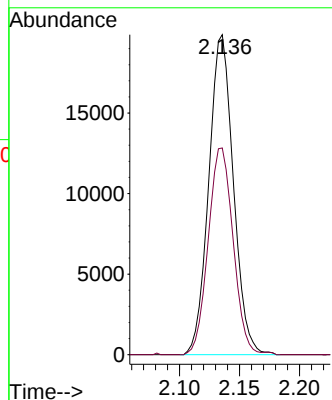
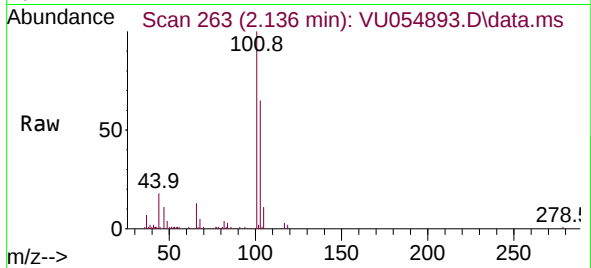
#7
 Trichlorofluoromethane
 Concen: 1.569 ug/l
 RT: 2.136 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VU054893.D
 Acq: 27 Jul 2023 12:09

Instrument :
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Tgt Ion:101 Resp: 28330
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.9 79.3

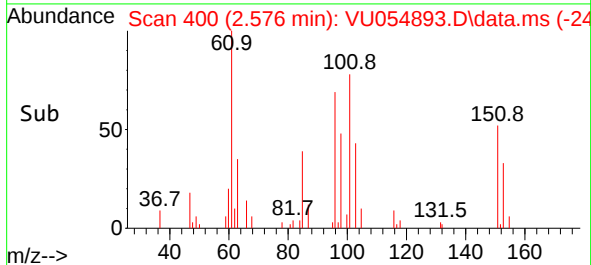
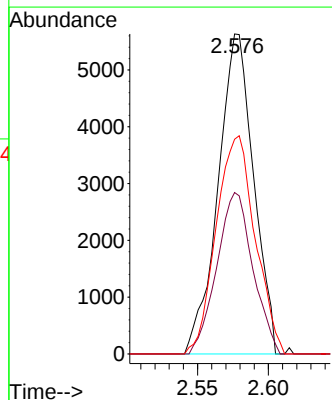
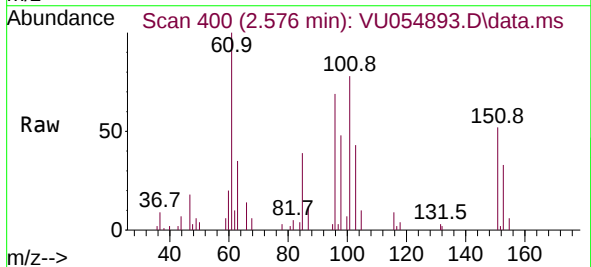
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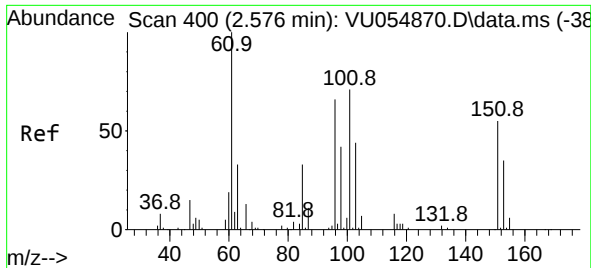
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.682 ug/l
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU054893.D
 Acq: 27 Jul 2023 12:09

Tgt Ion:101 Resp: 9842
 Ion Ratio Lower Upper
 101 100
 85 51.1 34.8 52.2
 151 74.7 60.5 90.7





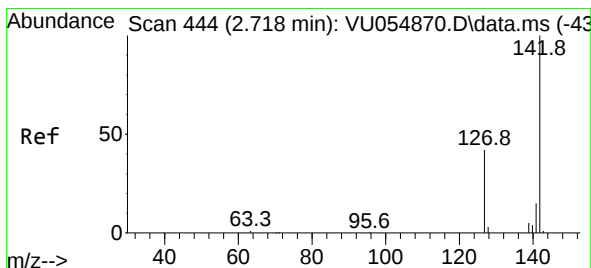
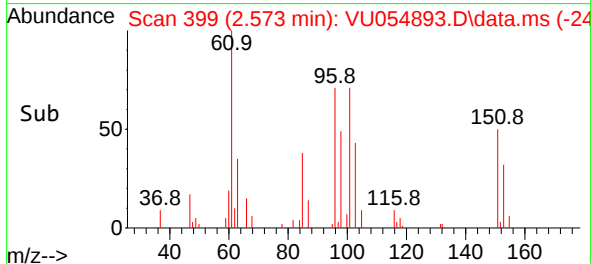
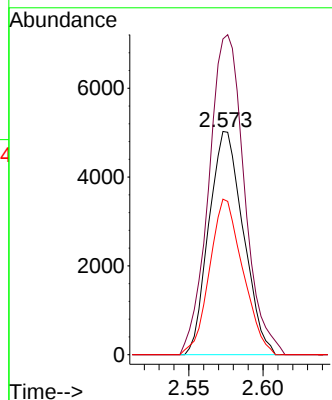
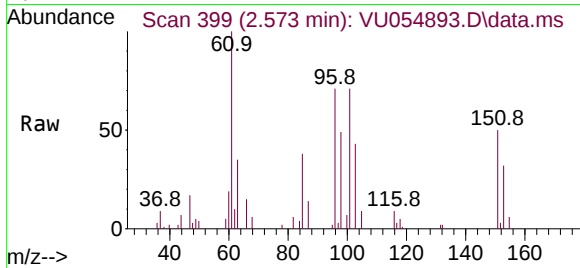
#9
1,1-Dichloroethene
Concen: 1.743 ug/l
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion: 96 Resp: 8092
Ion Ratio Lower Upper
96 100
61 141.4 0.0 440.1
98 69.6 0.0 121.8

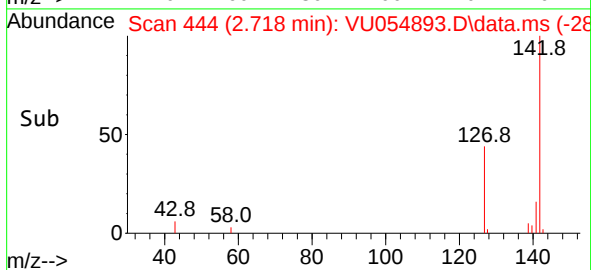
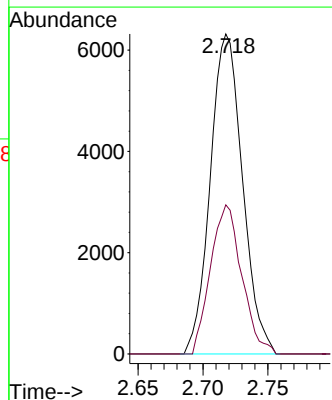
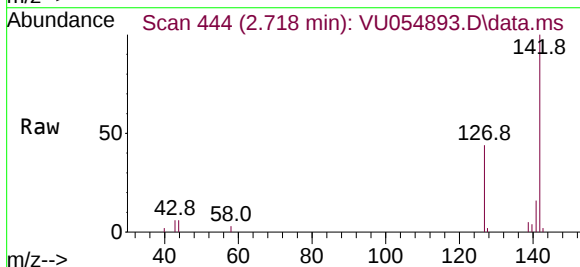
Manual Integrations
APPROVED

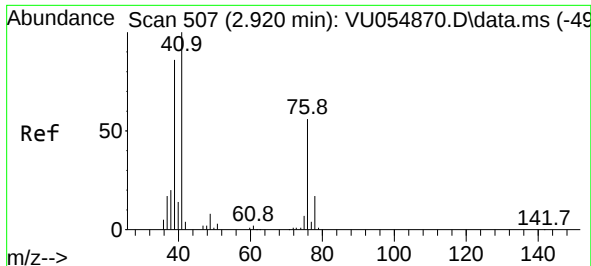
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#10
Iodomethane
Concen: 1.503 ug/l
RT: 2.718 min Scan# 444
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Tgt Ion:142 Resp: 10897
Ion Ratio Lower Upper
142 100
127 45.2 34.3 51.5





#11

Allyl Chloride

Concen: 1.674 ug/l

RT: 2.920 min Scan# 507

Delta R.T. 0.000 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tgt Ion: 41 Resp: 928

Ion Ratio Lower Upper

41 100

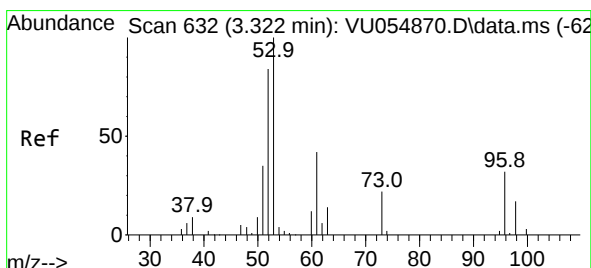
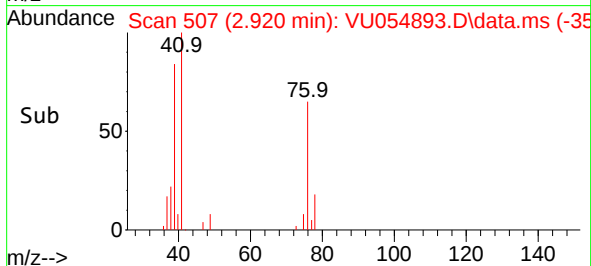
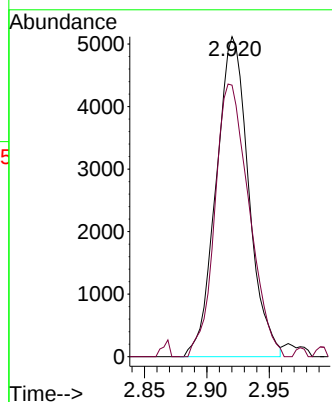
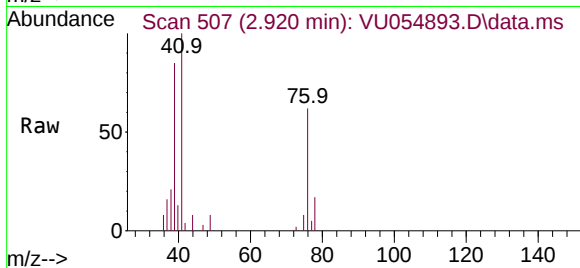
39 89.7 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#12

Acrylonitrile

Concen: 3.955 ug/l m

RT: 3.332 min Scan# 635

Delta R.T. 0.010 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

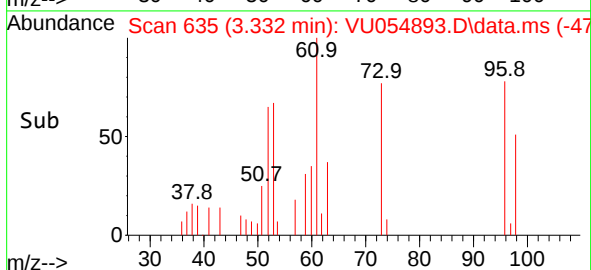
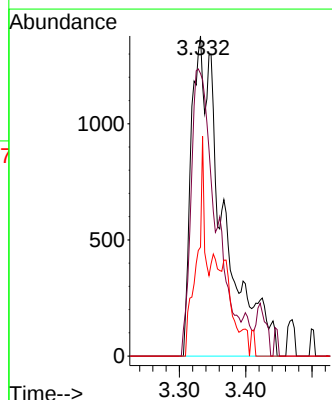
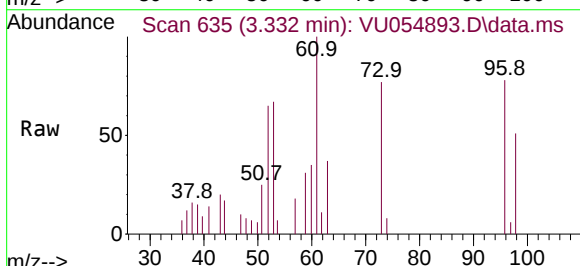
Tgt Ion: 53 Resp: 4609

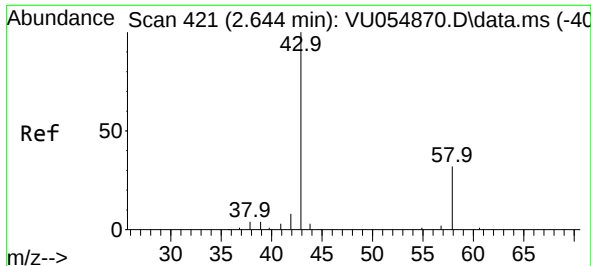
Ion Ratio Lower Upper

53 100

52 69.5 64.2 96.4

51 18.6 33.6 50.4#





#13

Acetone

Concen: 7.648 ug/l

RT: 2.647 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tgt Ion: 43 Resp: 9310

Ion Ratio Lower Upper

43 100

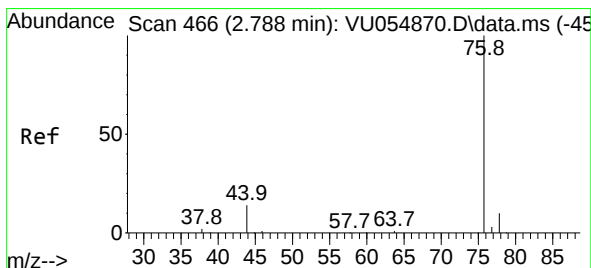
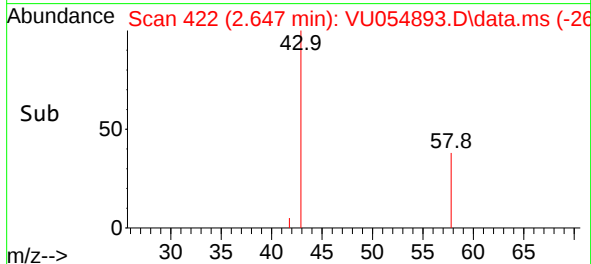
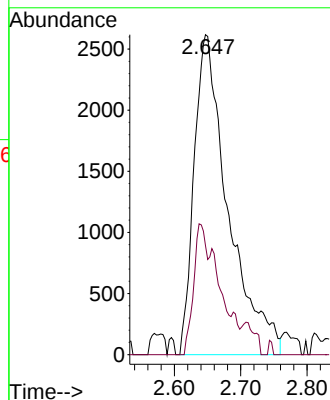
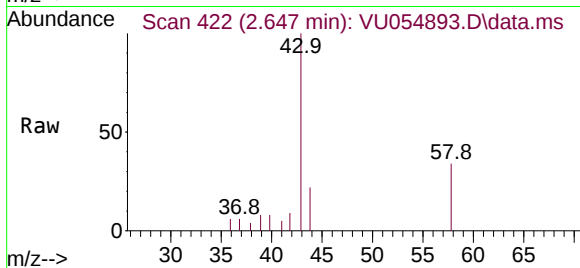
58 34.1 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#14

Carbon Disulfide

Concen: 1.686 ug/l

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU054893.D

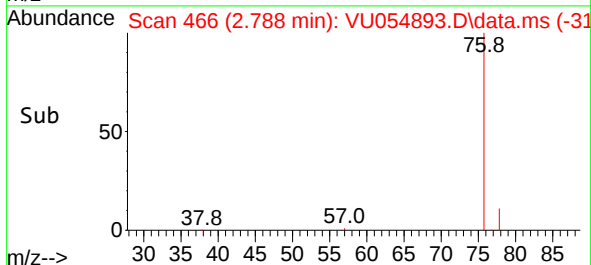
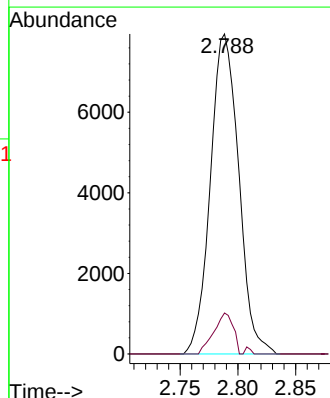
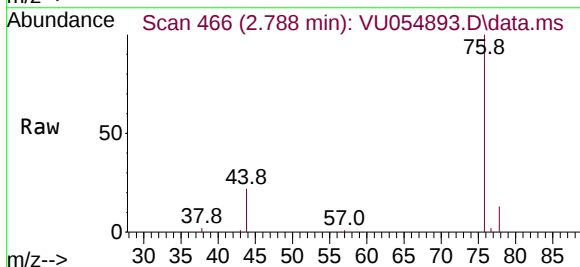
Acq: 27 Jul 2023 12:09

Tgt Ion: 76 Resp: 13563

Ion Ratio Lower Upper

76 100

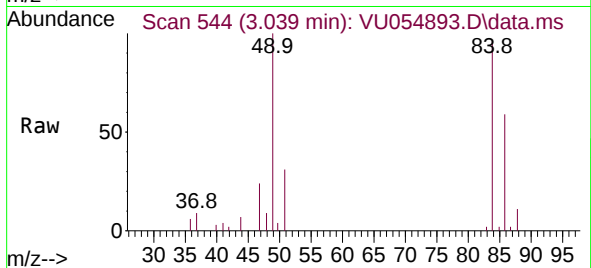
78 12.5 7.1 10.7#





#15
Methylene Chloride
Concen: 2.097 ug/l
RT: 3.039 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

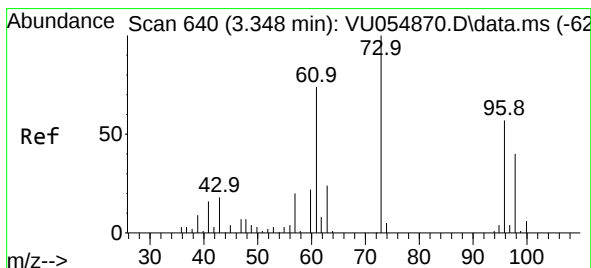
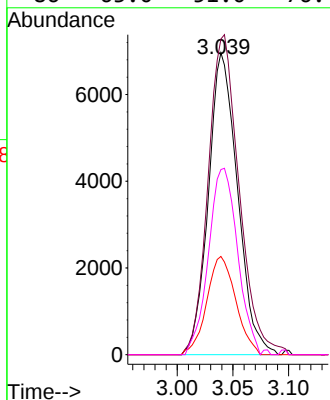
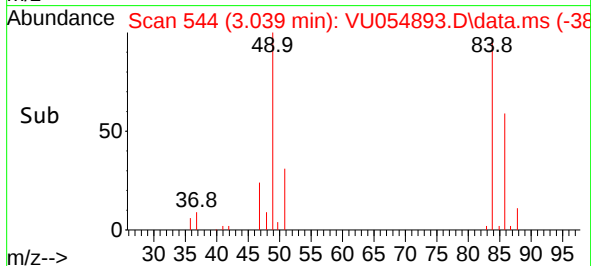
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



Tgt Ion:	84	Resp:	1266
Ion	Ratio	Lower	Upper
84	100		
49	109.1	87.8	131.6
51	32.6	0.0	68.2
86	63.0	51.0	76.4

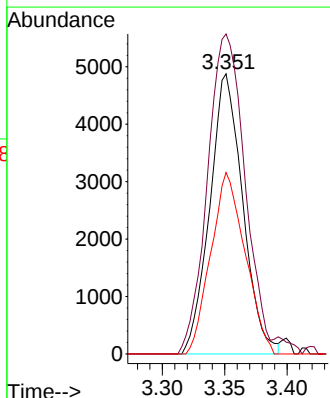
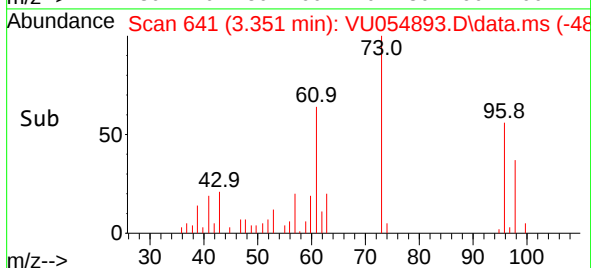
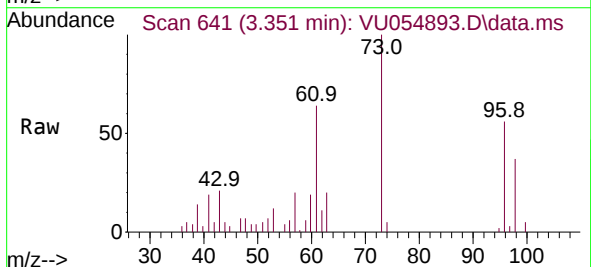
Manual Integrations
APPROVED

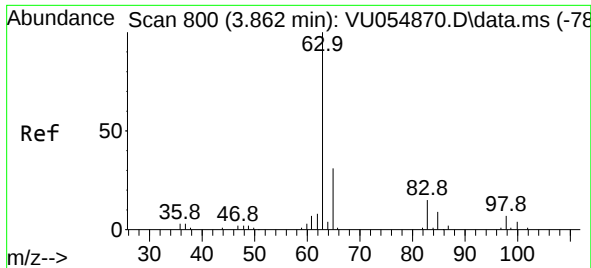
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#16
trans-1,2-Dichloroethene
Concen: 1.778 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Tgt Ion:	96	Resp:	8987
Ion	Ratio	Lower	Upper
96	100		
61	114.2	96.4	144.6
98	64.8	49.3	73.9





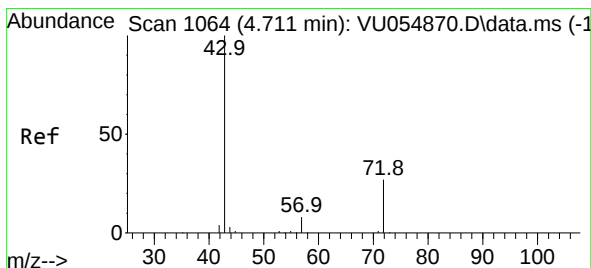
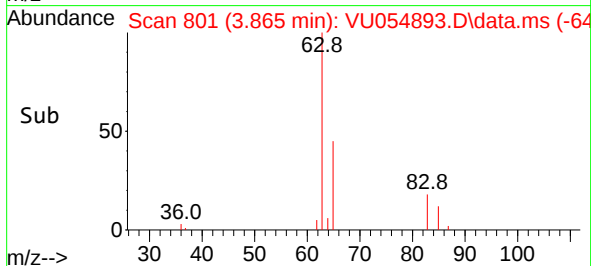
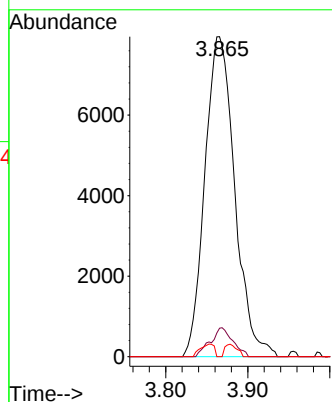
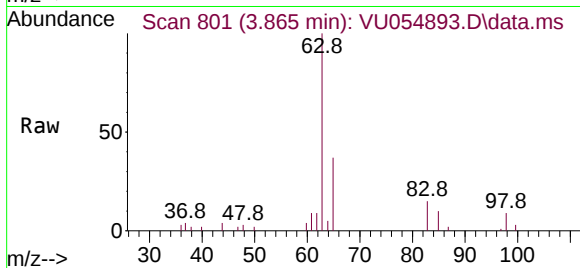
#17
1,1-Dichloroethane
Concen: 1.778 ug/l
RT: 3.865 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion: 63 Resp: 2010
Ion Ratio Lower Upper
63 100
98 8.9 3.6 10.8
100 0.0 2.8 8.4

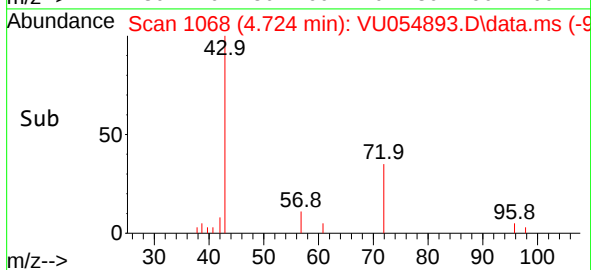
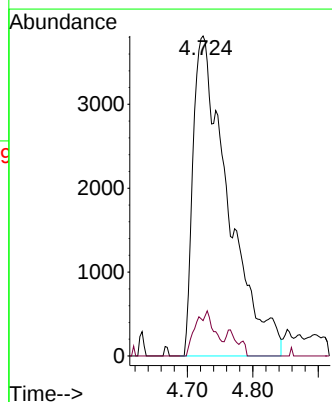
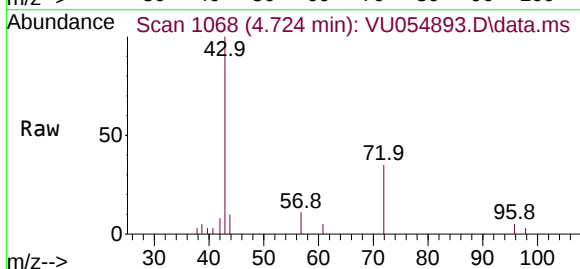
Manual Integrations
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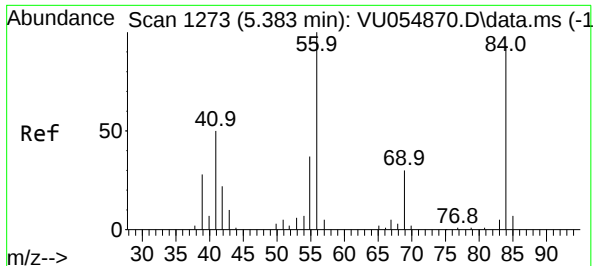
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
2-Butanone
Concen: 9.222 ug/l m
RT: 4.724 min Scan# 1068
Delta R.T. 0.013 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Tgt Ion: 43 Resp: 14170
Ion Ratio Lower Upper
43 100
57 11.1 0.0 20.8





#19

Cyclohexane

Concen: 1.934 ug/l m

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

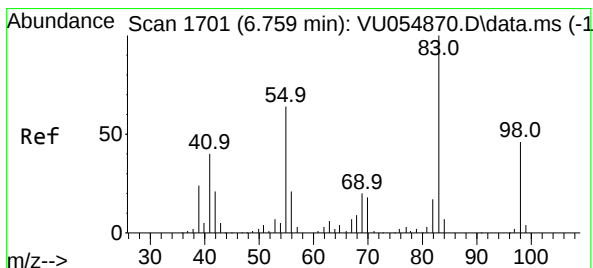
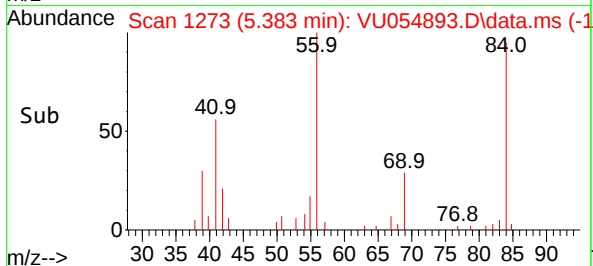
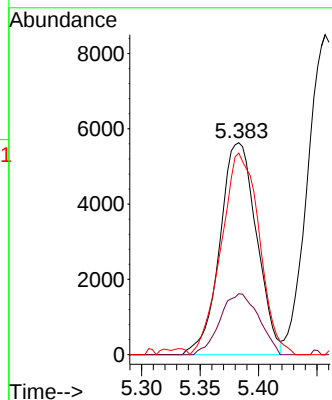
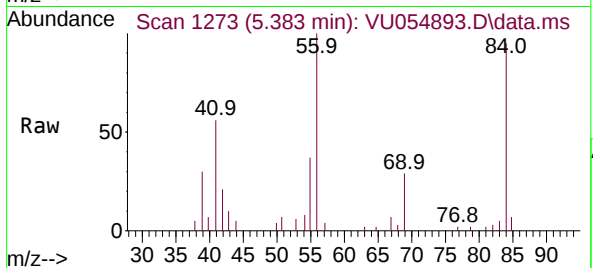
Tgt Ion:	56	Resp:	1230
Ion Ratio	Lower	Upper	
56	100		
69	30.4	24.7	37.1
84	98.4	76.5	114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#20

Methylcyclohexane

Concen: 1.765 ug/l

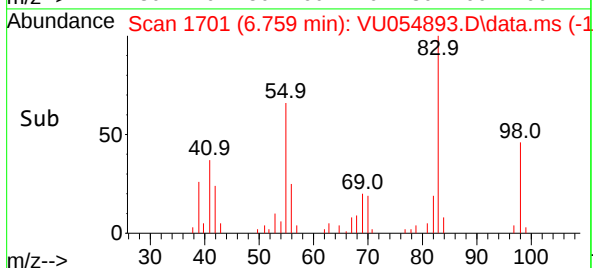
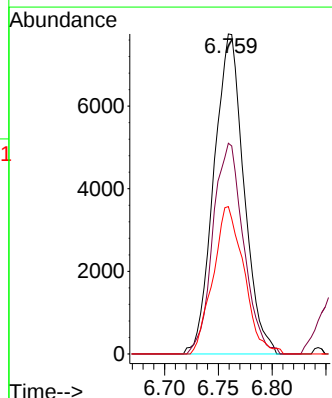
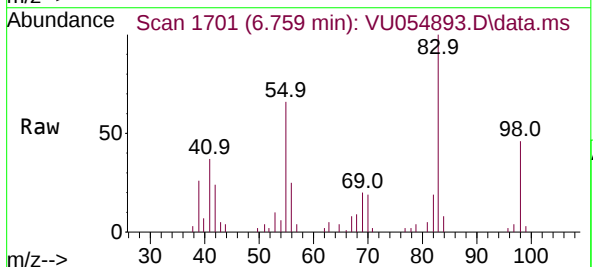
RT: 6.759 min Scan# 1701

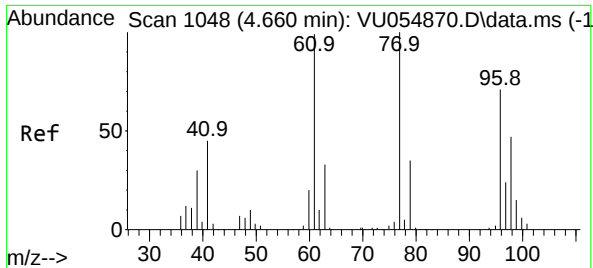
Delta R.T. 0.000 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Tgt Ion:	83	Resp:	15015
Ion Ratio	Lower	Upper	
83	100		
55	67.1	51.6	77.4
98	47.5	38.2	57.2





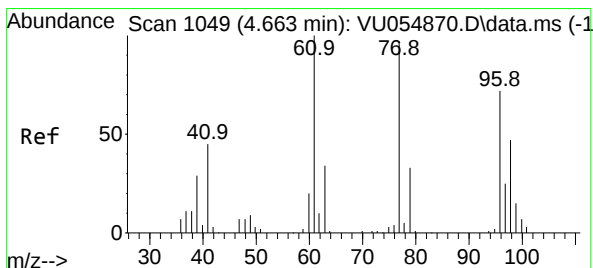
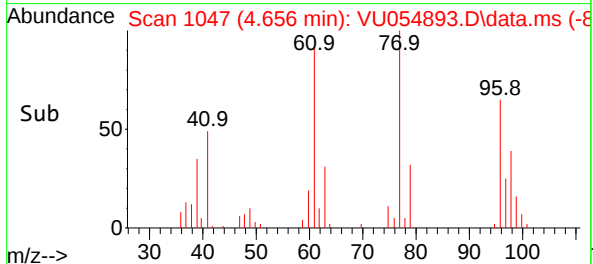
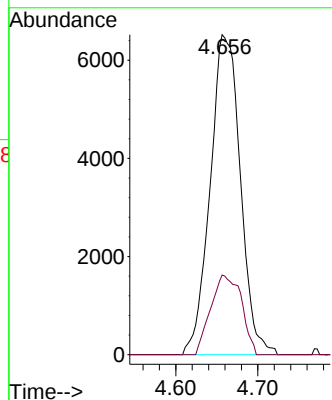
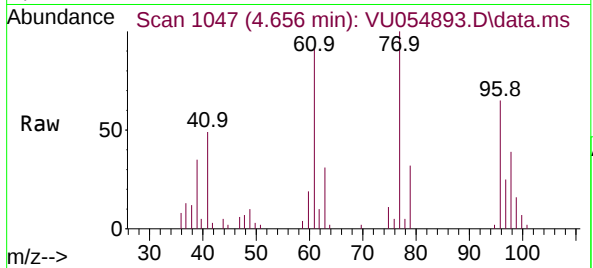
#21
2,2-Dichloropropane
Concen: 1.592 ug/l
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion: 77 Resp: 16689
Ion Ratio Lower Upper
77 100
97 25.3 18.0 27.0

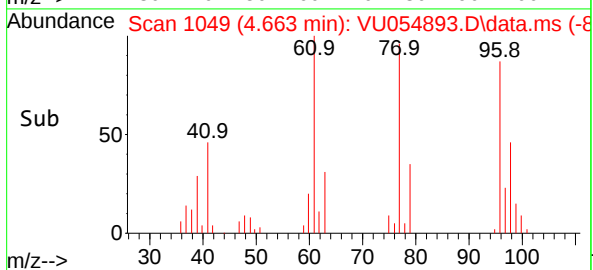
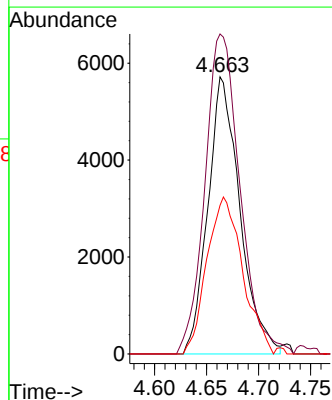
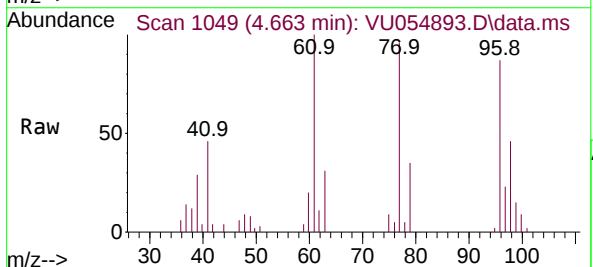
Manual Integrations
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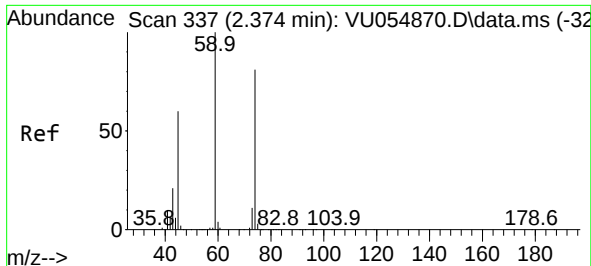
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#22
cis-1,2-Dichloroethene
Concen: 1.823 ug/l
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

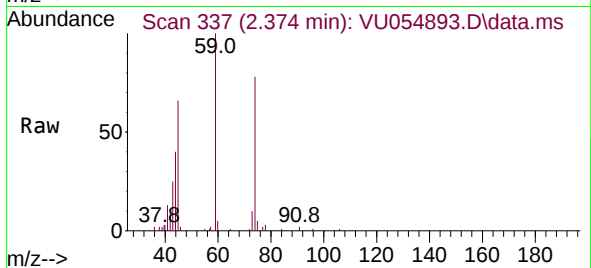
Tgt Ion: 96 Resp: 12249
Ion Ratio Lower Upper
96 100
61 126.4 0.0 332.0
98 63.2 32.5 97.5





#23
Diethyl Ether
Concen: 1.858 ug/l
RT: 2.374 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

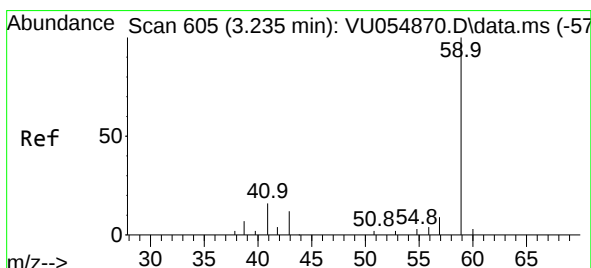
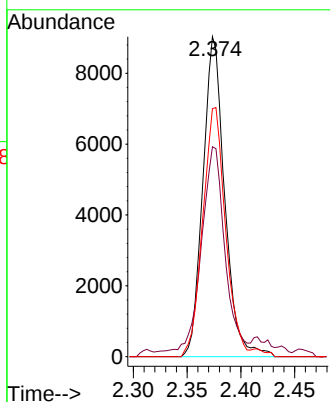
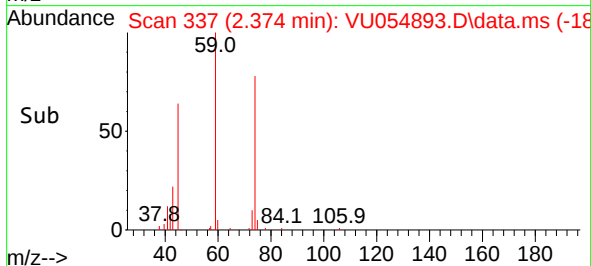
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



Tgt Ion: 59 Resp: 12720
Ion Ratio Lower Upper
59 100
45 65.6 51.4 77.0
74 81.4 63.1 94.7

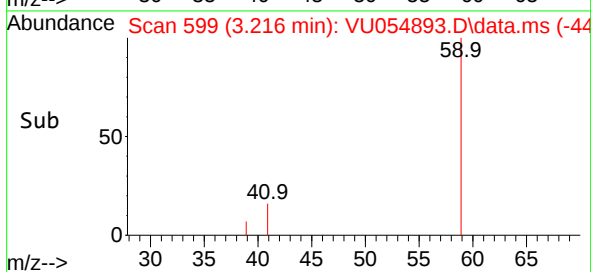
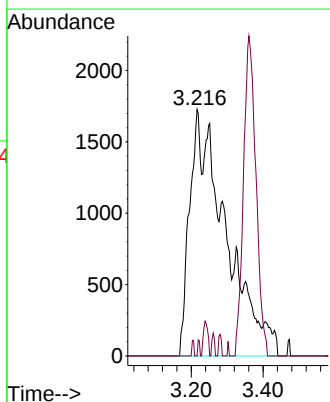
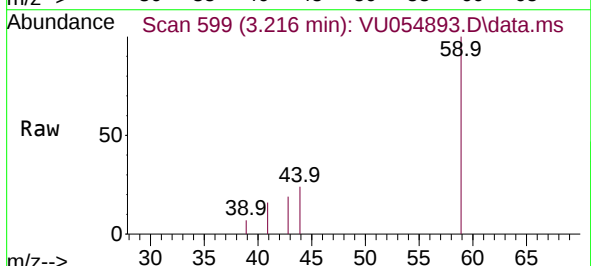
Manual Integrations
APPROVED

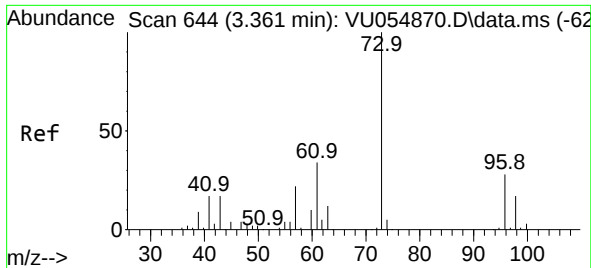
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#24
tert-Butyl Alcohol
Concen: 18.948 ug/l m
RT: 3.216 min Scan# 599
Delta R.T. -0.019 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Tgt Ion: 59 Resp: 12076
Ion Ratio Lower Upper
59 100
57 1.8 2.2 3.2#





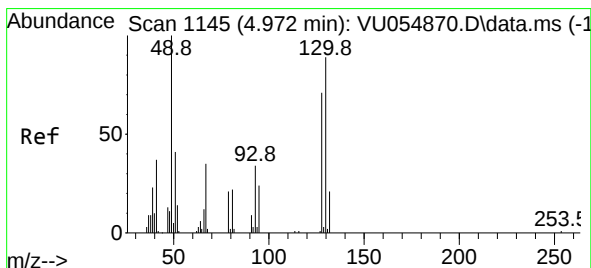
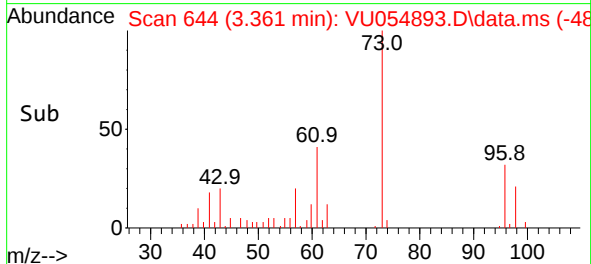
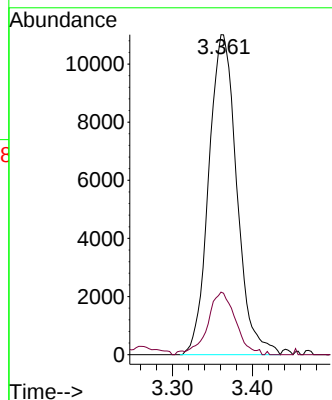
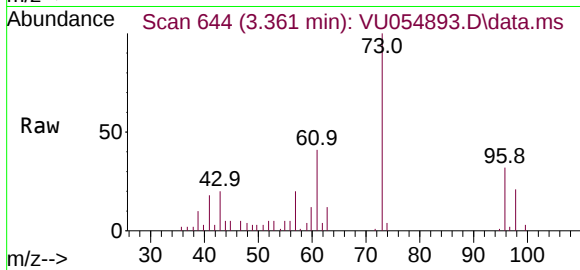
#25
Methyl tert-Butyl Ether
Concen: 1.866 ug/l
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion: 73 Resp: 26810
Ion Ratio Lower Upper
73 100
43 19.5 14.6 22.0

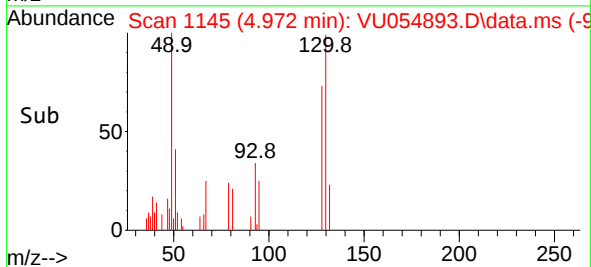
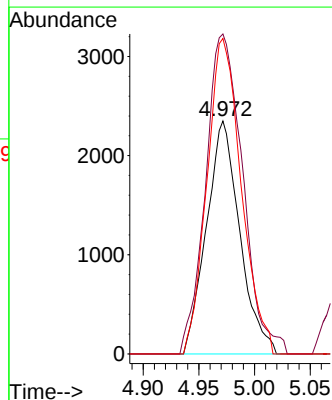
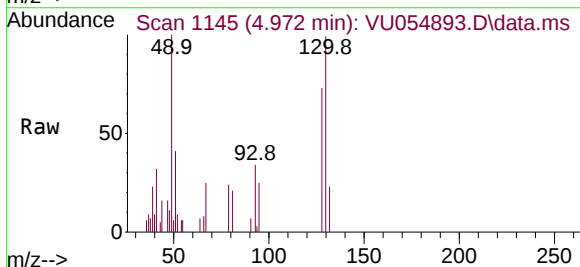
Manual Integrations
APPROVED

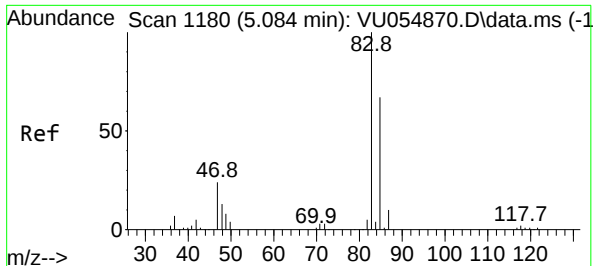
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#26
Bromochloromethane
Concen: 1.773 ug/l
RT: 4.972 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Tgt Ion:128 Resp: 4886
Ion Ratio Lower Upper
128 100
49 153.2 0.0 304.0
130 139.8 104.3 156.5





#27

Chloroform

Concen: 1.813 ug/l

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

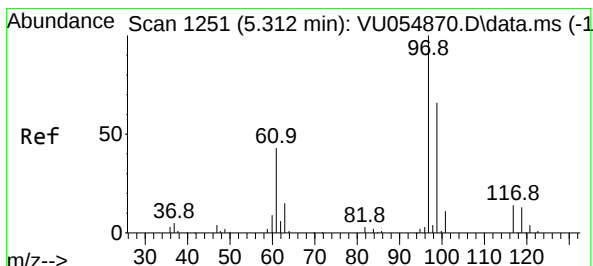
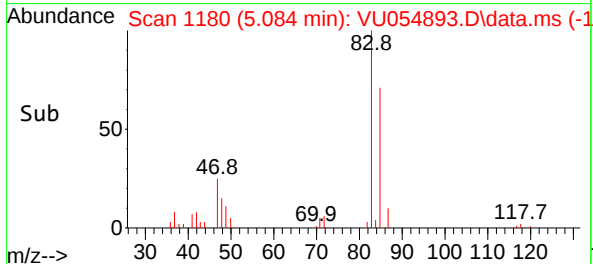
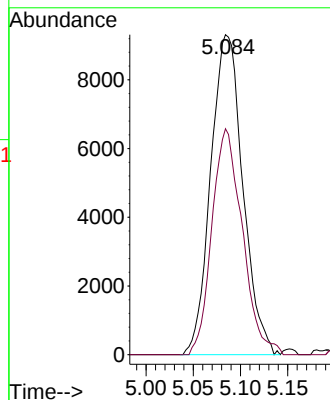
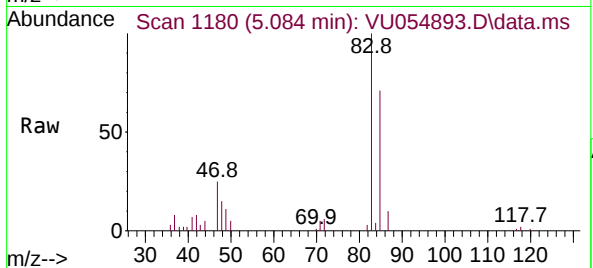
Tgt Ion: 83 Resp: 2201
 Ion Ratio Lower Upper
 83 100
 85 70.6 0.0 135.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#28

1,1,1-Trichloroethane

Concen: 1.813 ug/l

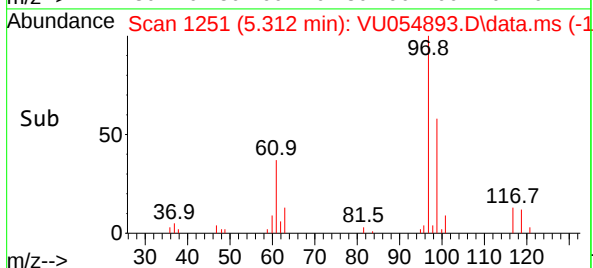
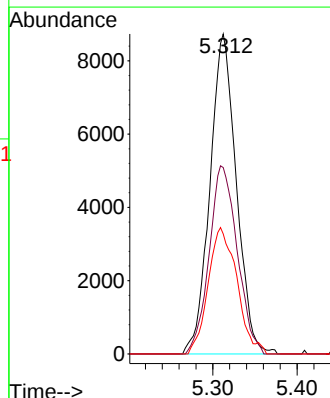
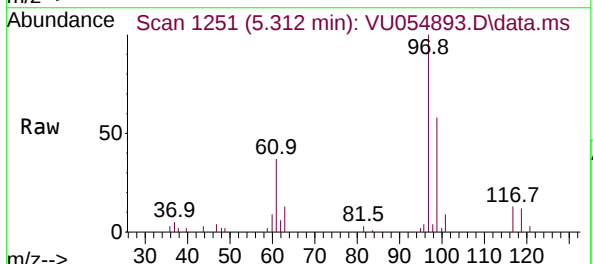
RT: 5.312 min Scan# 1251

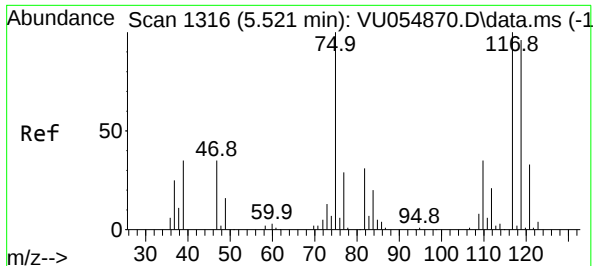
Delta R.T. 0.000 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Tgt Ion: 97 Resp: 19014
 Ion Ratio Lower Upper
 97 100
 99 62.4 32.0 96.2
 61 43.0 21.0 63.0





#29
1,1-Dichloropropene
Concen: 1.637 ug/l
RT: 5.525 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

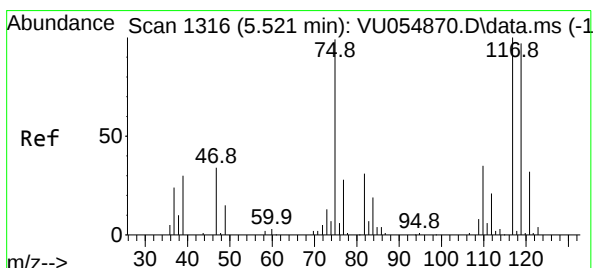
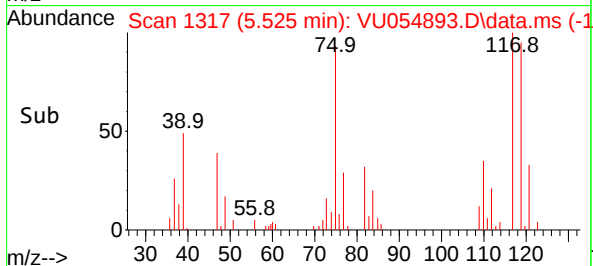
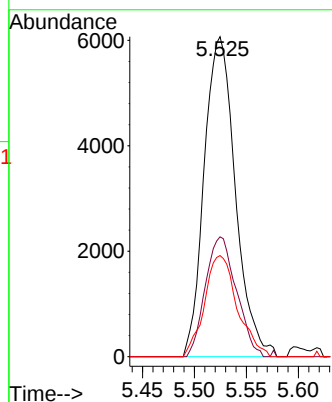
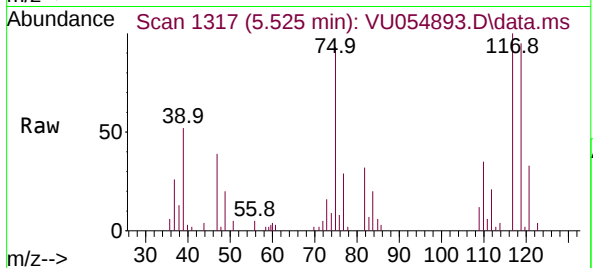
Tgt Ion: 75 Resp: 1266
Ion Ratio Lower Upper
75 100
110 37.1 18.5 55.5
77 33.2 24.9 37.3

Manual Integrations

APPROVED

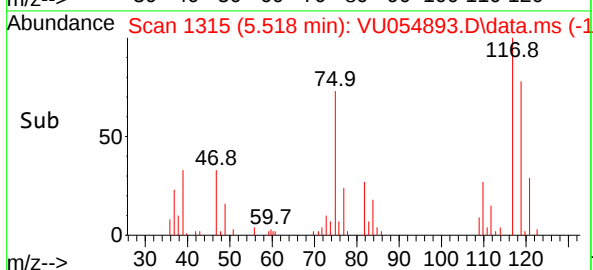
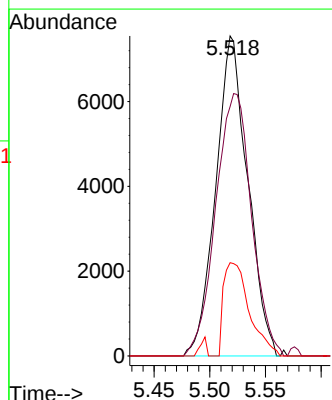
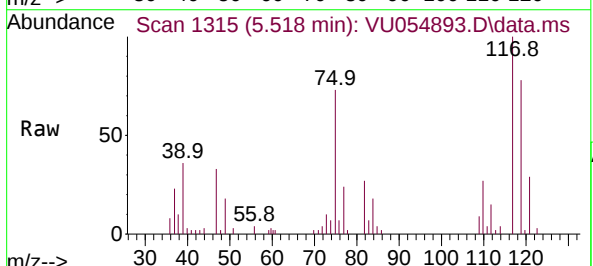
Reviewed By :John Carlone 07/28/2023

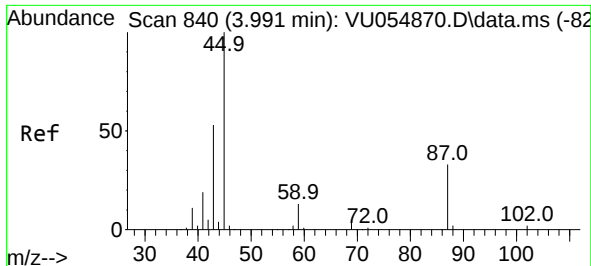
Supervised By :Mahesh Dadoda 07/31/2023



#30
Carbon Tetrachloride
Concen: 1.722 ug/l
RT: 5.518 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Tgt Ion:117 Resp: 15074
Ion Ratio Lower Upper
117 100
119 79.8 75.6 113.4
121 29.2 23.4 35.0





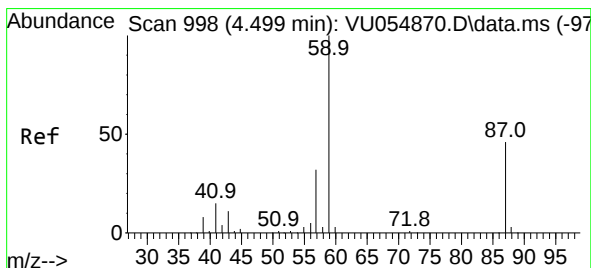
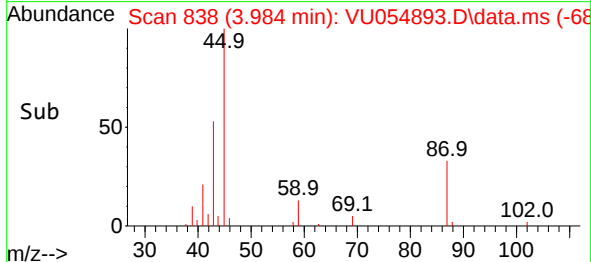
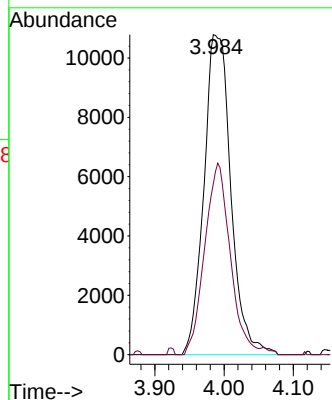
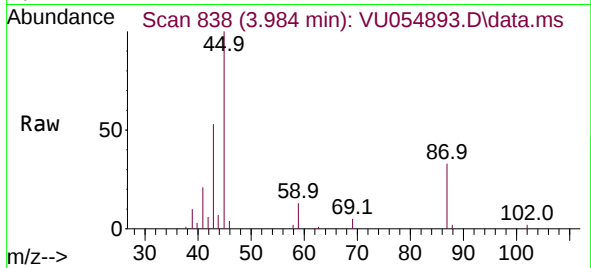
#31
Isopropyl Ether
Concen: 1.751 ug/l
RT: 3.984 min Scan# 81
Delta R.T. -0.006 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion: 45 Resp: 29224
Ion Ratio Lower Upper
45 100
43 56.4 26.4 79.2

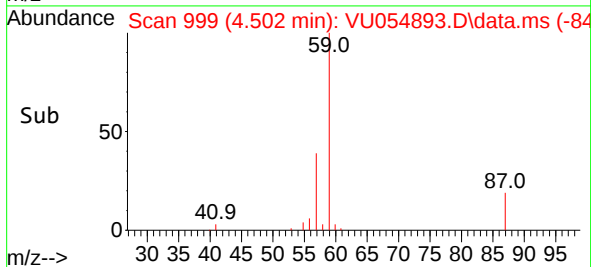
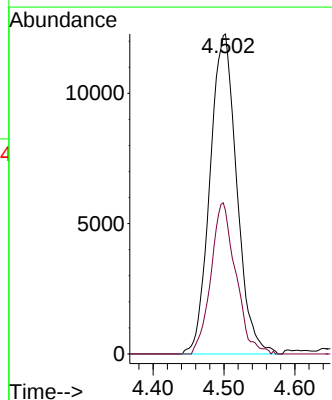
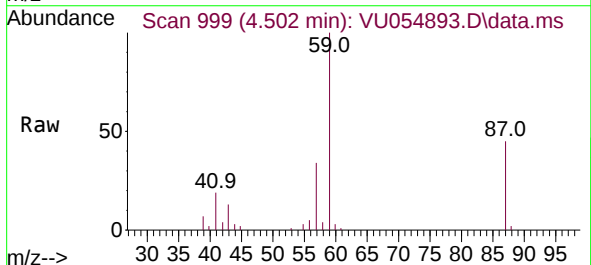
Manual Integrations
APPROVED

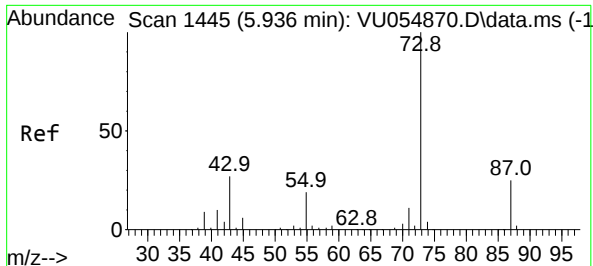
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#32
Ethyl-t-butyl ether
Concen: 1.873 ug/l
RT: 4.502 min Scan# 999
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

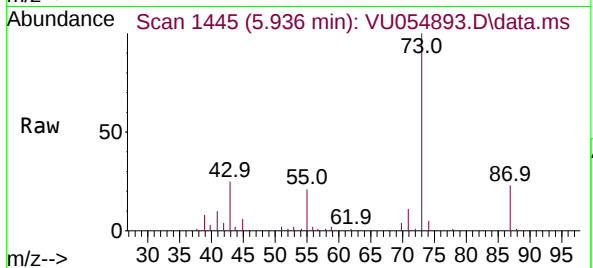
Tgt Ion: 59 Resp: 32188
Ion Ratio Lower Upper
59 100
87 43.9 35.7 53.5





#33
Tert-Amyl methyl ether
Concen: 1.902 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

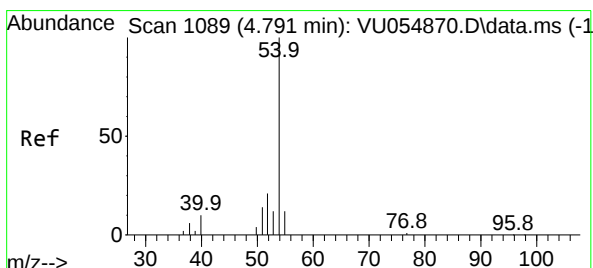
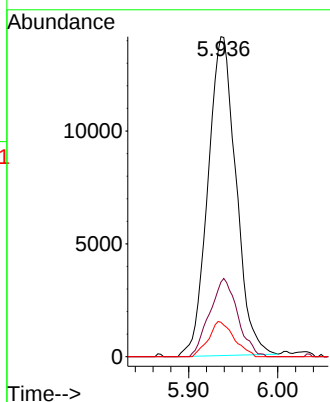
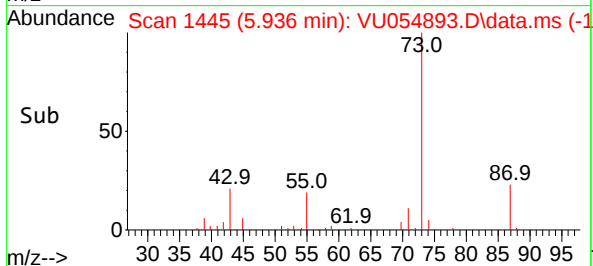
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



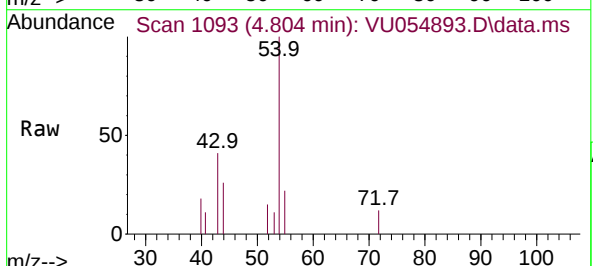
Tgt Ion: 73 Resp: 30890
Ion Ratio Lower Upper
73 100
87 24.5 19.6 29.4
71 10.0 9.1 13.7

Manual Integrations
APPROVED

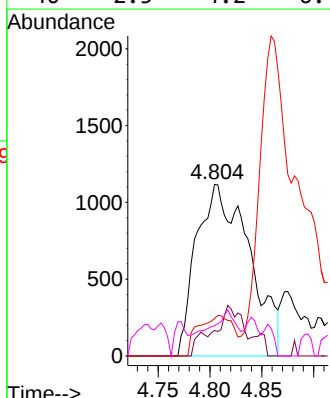
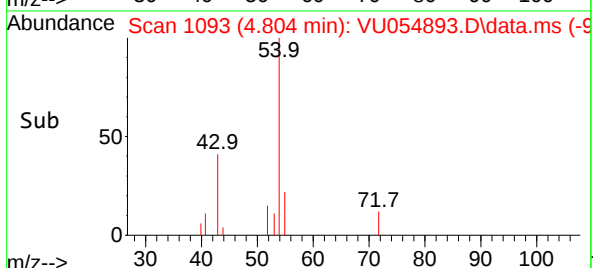
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

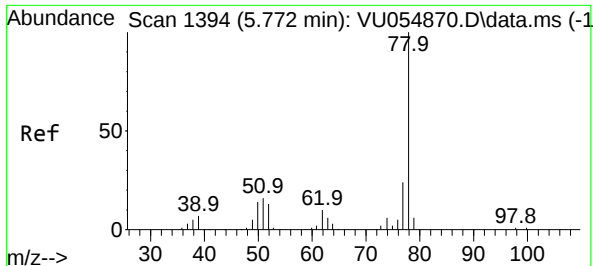


#34
Propionitrile
Concen: 9.315 ug/l m
RT: 4.804 min Scan# 1093
Delta R.T. 0.013 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



Tgt Ion: 54 Resp: 3946
Ion Ratio Lower Upper
54 100
52 8.4 13.8 20.8#
55 15.4 4.8 7.2#
40 2.5 4.2 6.4#





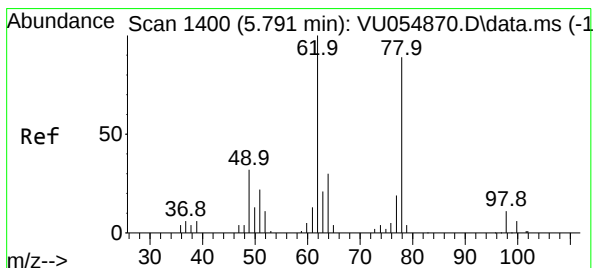
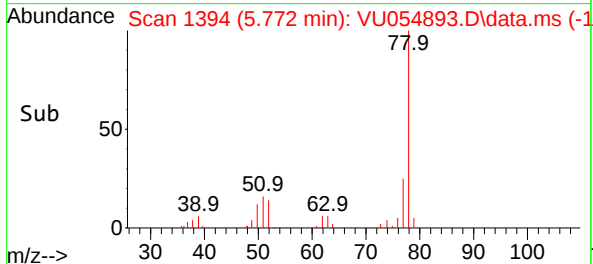
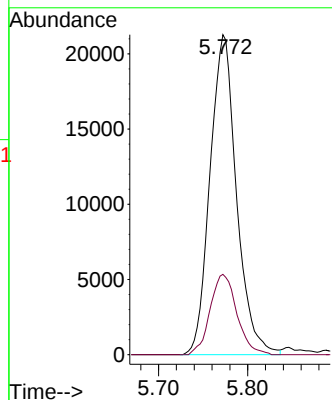
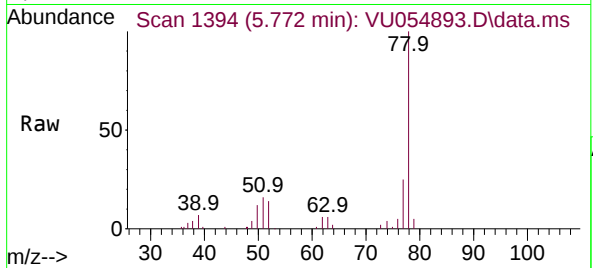
#35
Benzene
Concen: 1.817 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion: 78 Resp: 4401
Ion Ratio Lower Upper
78 100
77 25.1 19.4 29.2

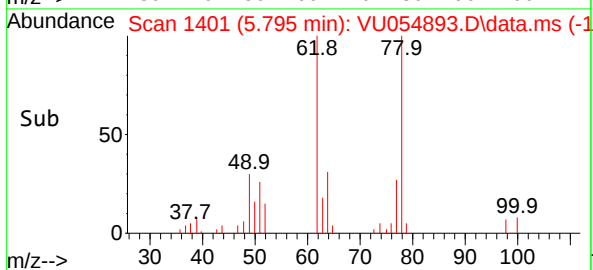
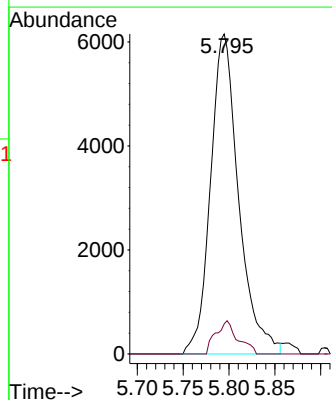
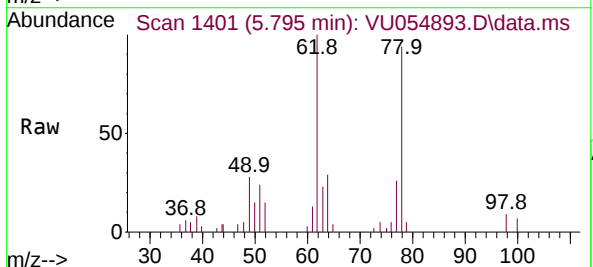
Manual Integrations
APPROVED

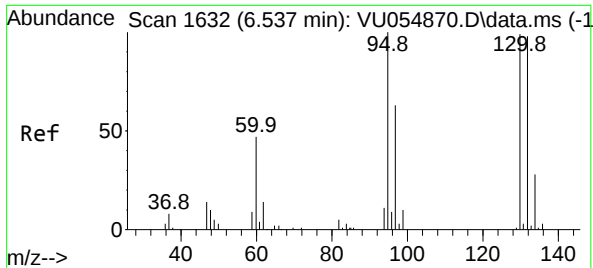
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#36
1,2-Dichloroethane
Concen: 1.904 ug/l
RT: 5.795 min Scan# 1401
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

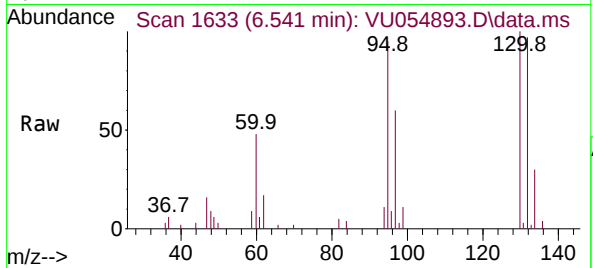
Tgt Ion: 62 Resp: 13121
Ion Ratio Lower Upper
62 100
98 8.1 7.8 11.8





#37
Trichloroethene
Concen: 1.820 ug/l
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

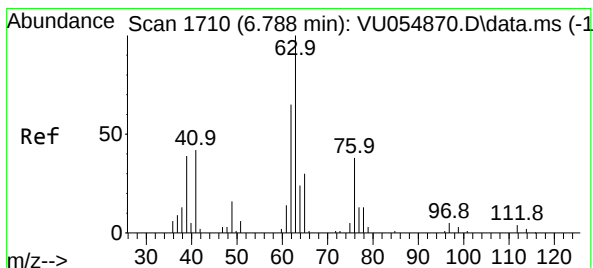
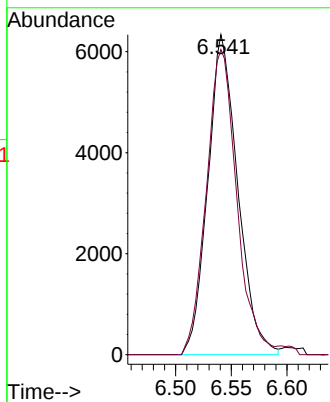
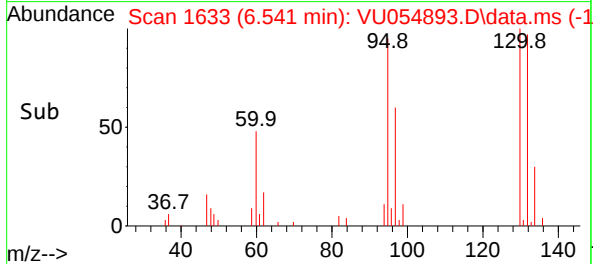
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



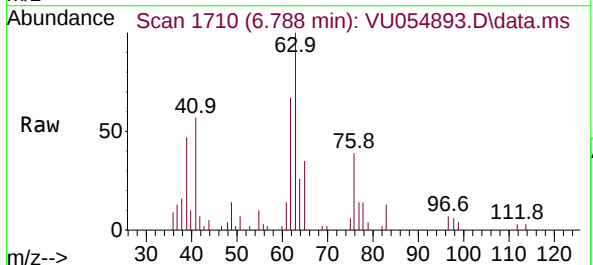
Tgt Ion:130 Resp: 1185
Ion Ratio Lower Upper
130 100
95 95.3 76.8 115.2

Manual Integrations
APPROVED

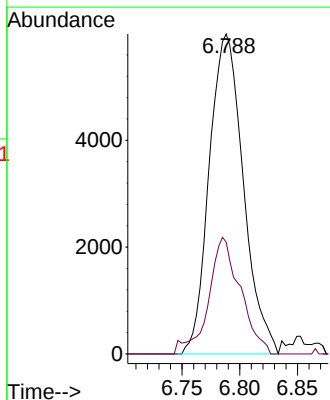
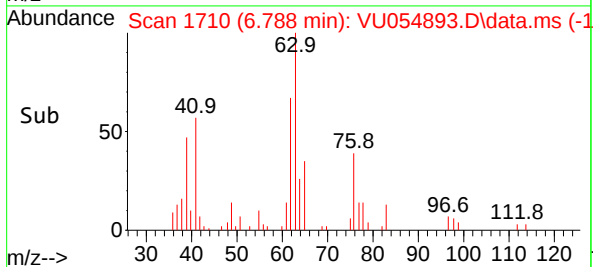
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

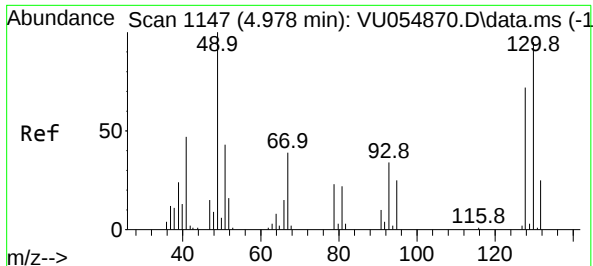


#38
1,2-Dichloropropane
Concen: 1.796 ug/l
RT: 6.788 min Scan# 1710
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



Tgt Ion: 63 Resp: 12301
Ion Ratio Lower Upper
63 100
65 34.9 24.3 36.5





#39

Methacrylonitrile

Concen: 2.163 ug/l m

RT: 4.978 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tgt Ion: 41 Resp: 3674

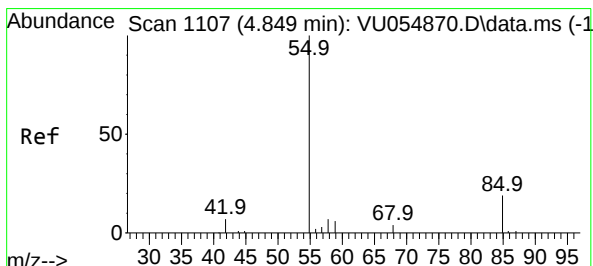
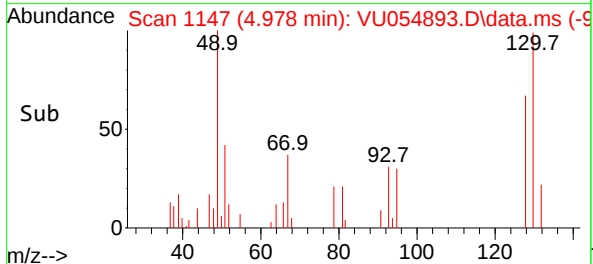
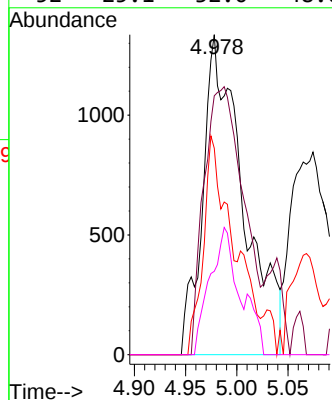
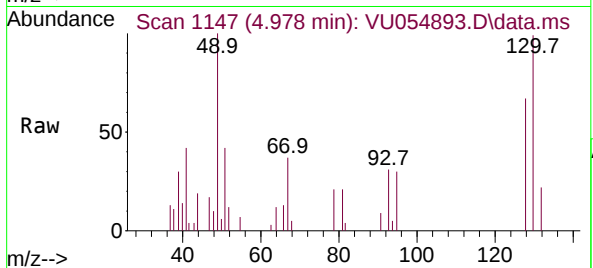
Ion	Ratio	Lower	Upper
41	100		
67	81.6	77.0	115.4
39	40.5	50.4	75.6
52	25.1	32.0	48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#40

Methyl acrylate

Concen: 2.209 ug/l

RT: 4.859 min Scan# 1110

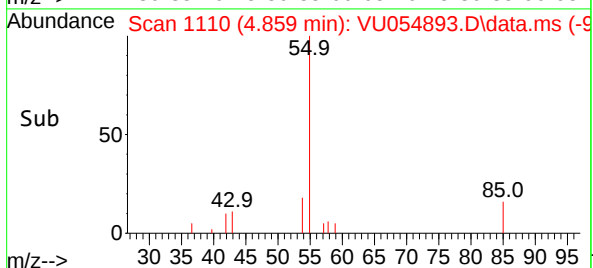
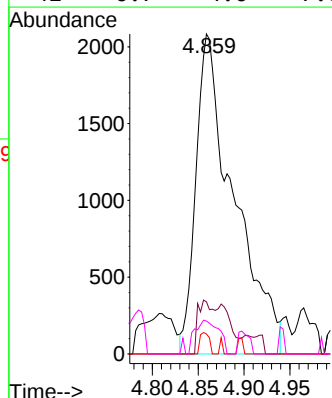
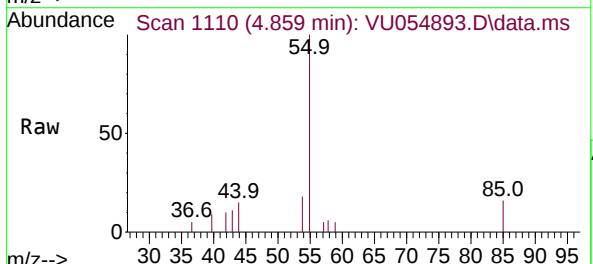
Delta R.T. 0.010 min

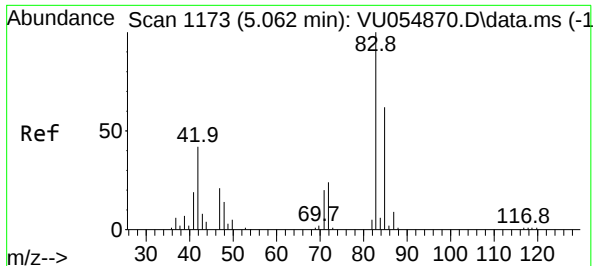
Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Tgt Ion: 55 Resp: 5965

Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.0	19.6
58	1.6	5.7	8.5
42	6.7	4.6	7.0





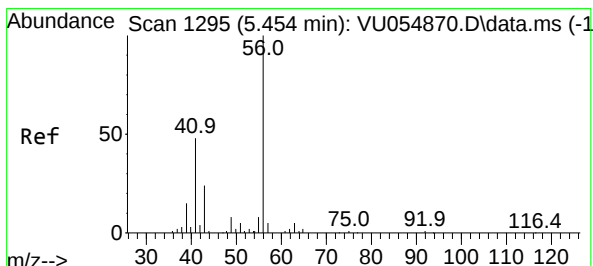
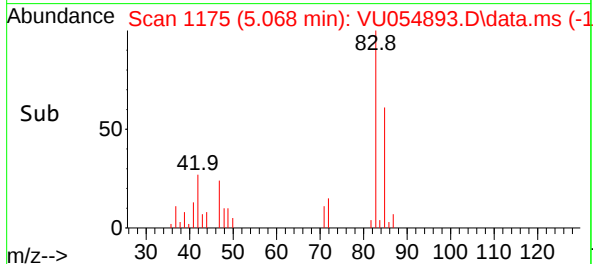
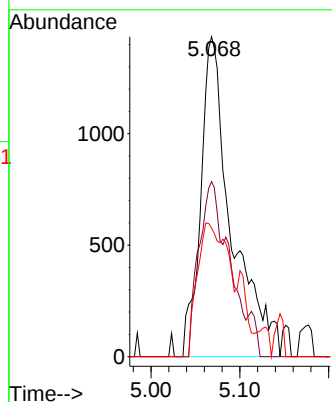
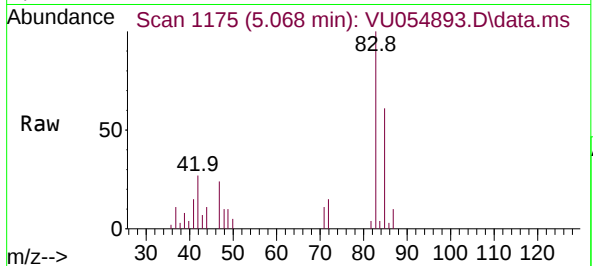
#41
Tetrahydrofuran
Concen: 3.564 ug/l m
RT: 5.068 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion: 42 Resp: 346
Ion Ratio Lower Upper
42 100
72 52.7 42.1 63.1
71 41.1 39.7 59.5

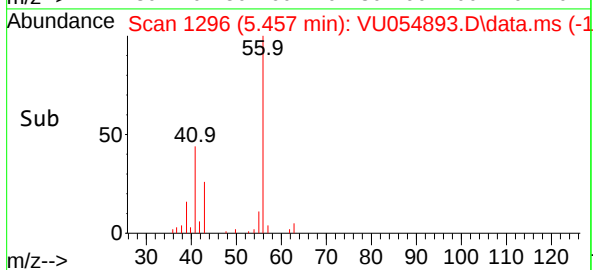
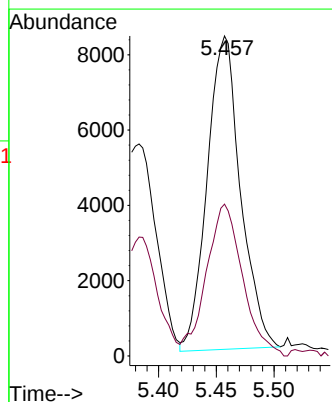
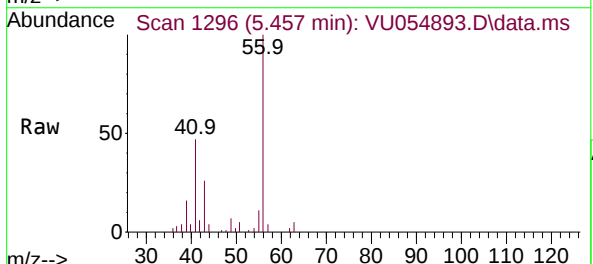
Manual Integrations
APPROVED

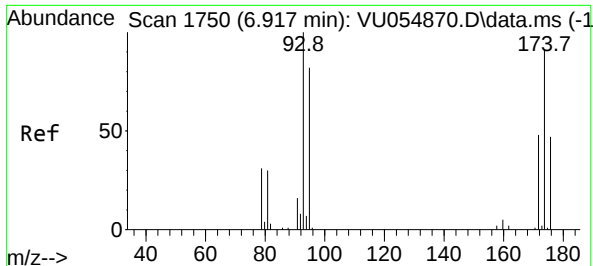
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#42
1-Chlorobutane
Concen: 1.653 ug/l
RT: 5.457 min Scan# 1296
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

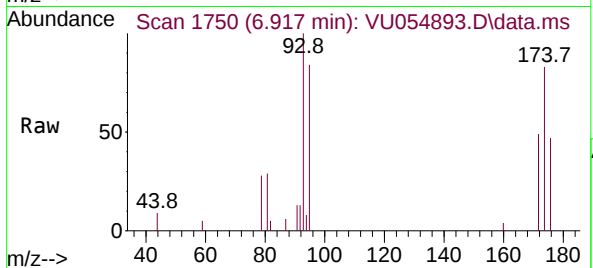
Tgt Ion: 56 Resp: 16741
Ion Ratio Lower Upper
56 100
41 52.6 23.9 71.7





#43
Dibromomethane
Concen: 1.783 ug/l
RT: 6.917 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

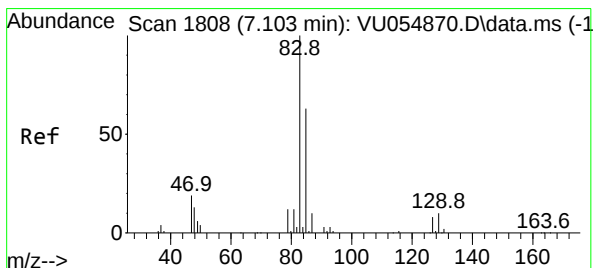
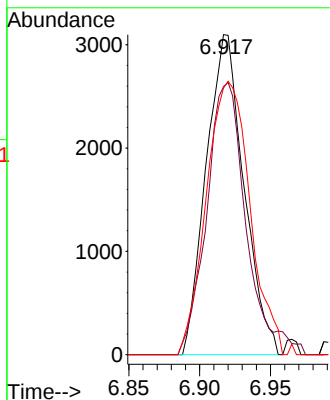
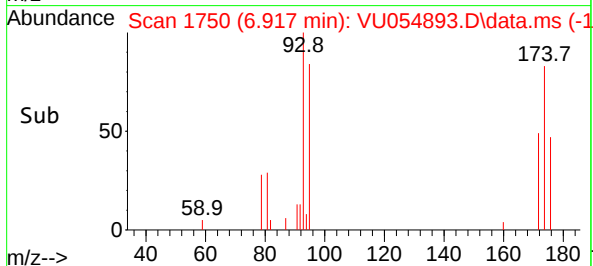
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



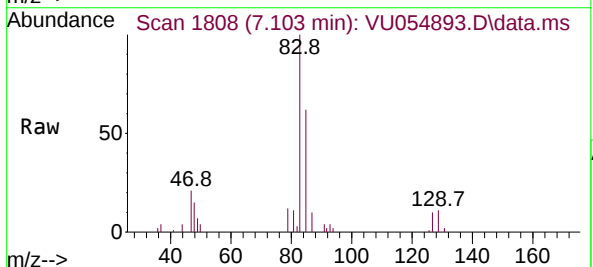
Tgt Ion: 93 Resp: 5734
Ion Ratio Lower Upper
93 100
95 88.9 64.7 97.1
174 98.8 74.4 111.6

Manual Integrations
APPROVED

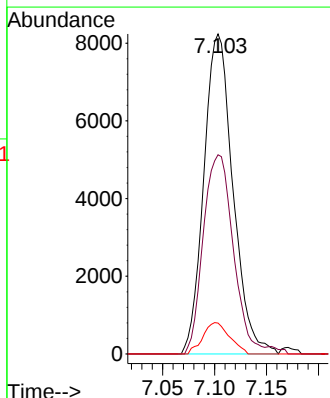
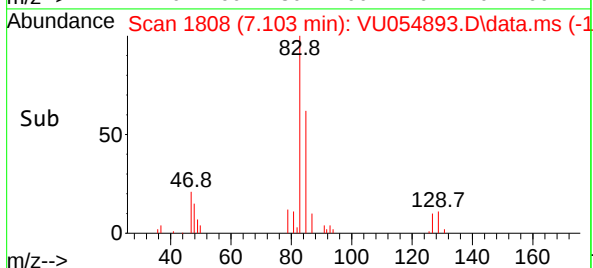
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

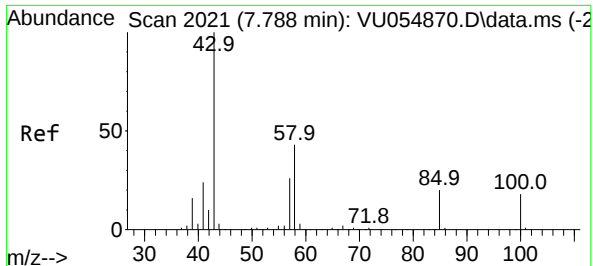


#44
Bromodichloromethane
Concen: 1.792 ug/l
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



Tgt Ion: 83 Resp: 16059
Ion Ratio Lower Upper
83 100
85 62.2 52.2 78.2
127 9.6 6.1 9.1#





#45

4-Methyl-2-Pentanone

Concen: 10.022 ug/l

RT: 7.791 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tgt Ion: 43 Resp: 3761

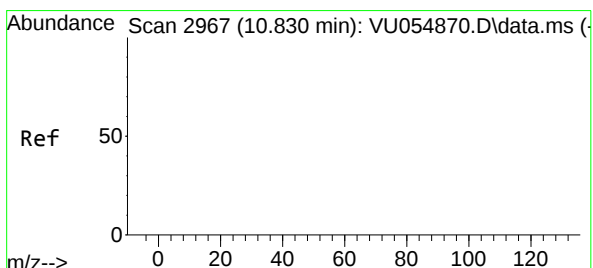
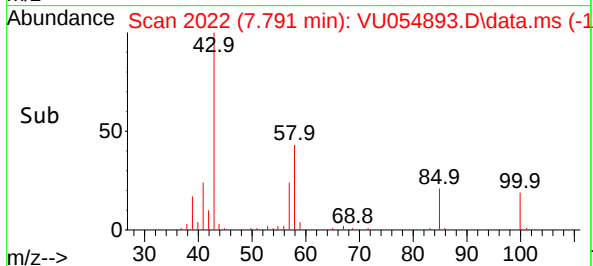
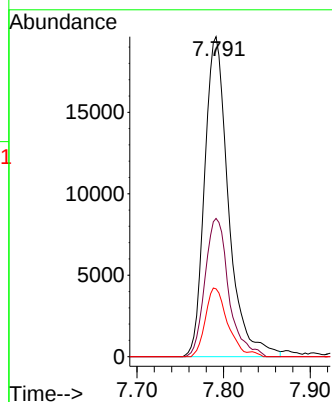
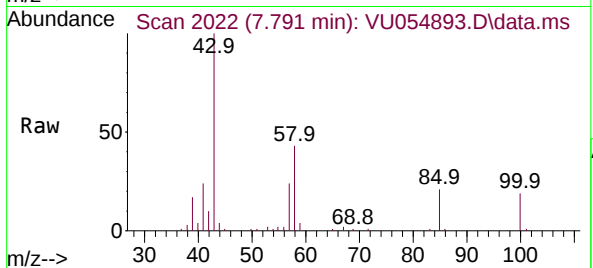
Ion	Ratio	Lower	Upper
43	100		
58	43.1	21.3	63.7
85	19.6	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#46

t-1,4-Dichloro-2-butene

Concen: 3.746 ug/l m

RT: 10.830 min Scan# 2967

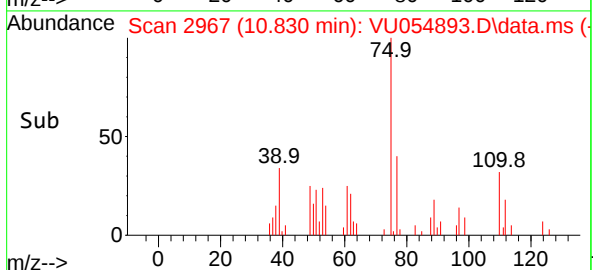
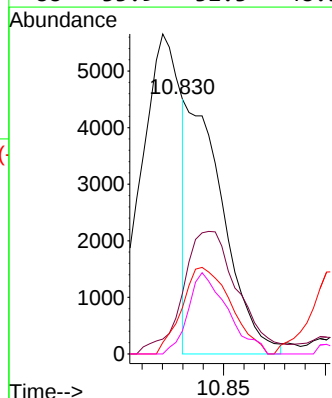
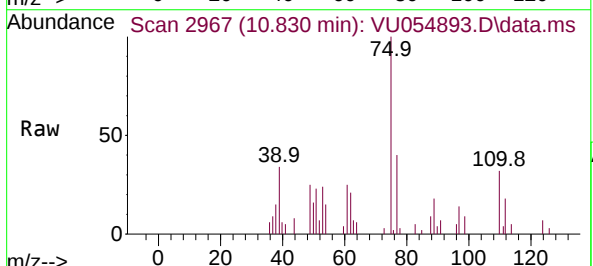
Delta R.T. 0.000 min

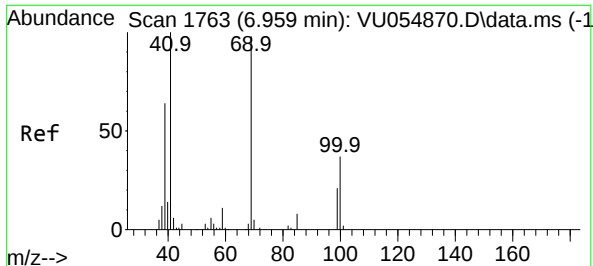
Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Tgt Ion: 75 Resp: 5657

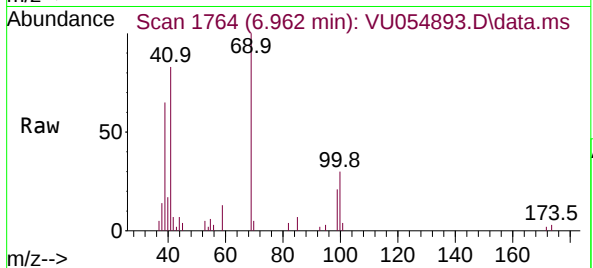
Ion	Ratio	Lower	Upper
75	100		
53	72.2	62.9	94.3
89	45.0	47.8	71.8#
88	33.9	32.3	48.5





#47
Methyl methacrylate
Concen: 3.823 ug/l
RT: 6.962 min Scan# 1764
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

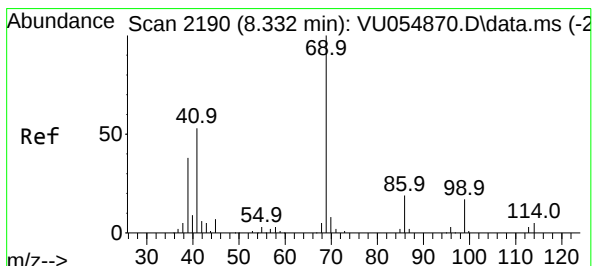
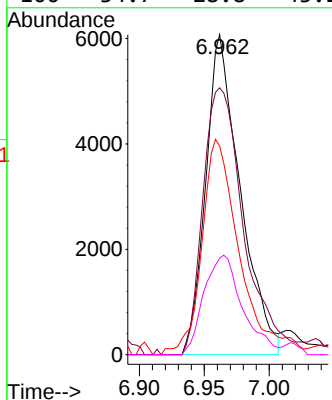
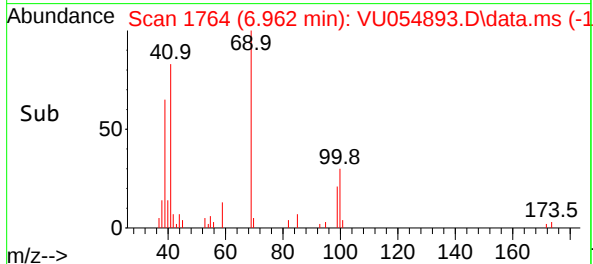
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



Tgt Ion: 69 Resp: 1124
Ion Ratio Lower Upper
69 100
41 99.1 0.0 193.0
39 73.2 50.4 75.6
100 34.7 28.8 43.2

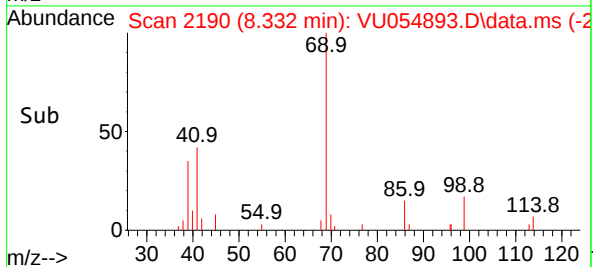
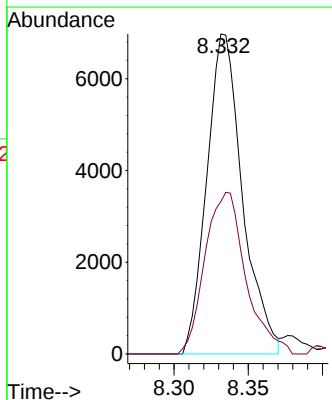
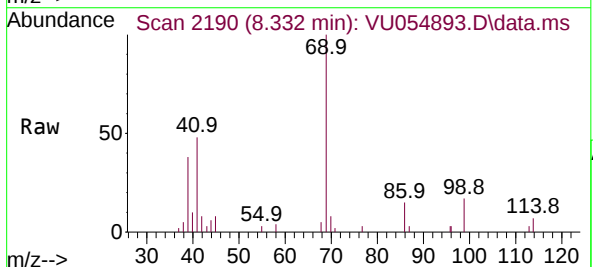
Manual Integrations
APPROVED

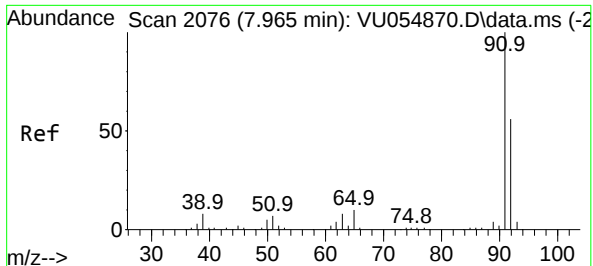
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#48
Ethyl methacrylate
Concen: 1.963 ug/l
RT: 8.332 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

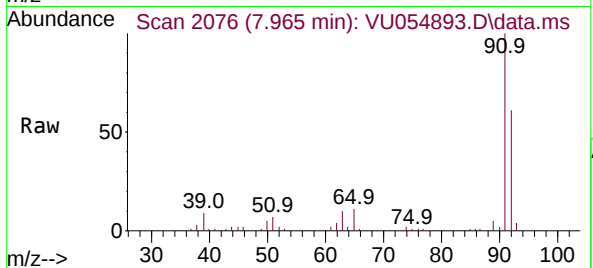
Tgt Ion: 69 Resp: 11676
Ion Ratio Lower Upper
69 100
41 57.5 28.8 86.5





#49
Toluene
Concen: 1.752 ug/l
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

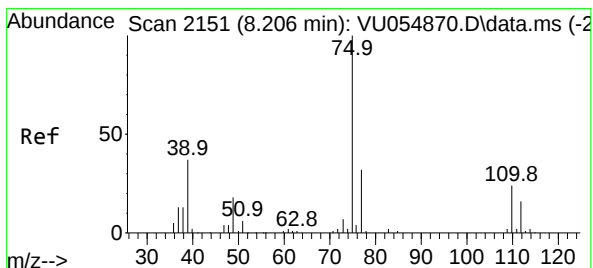
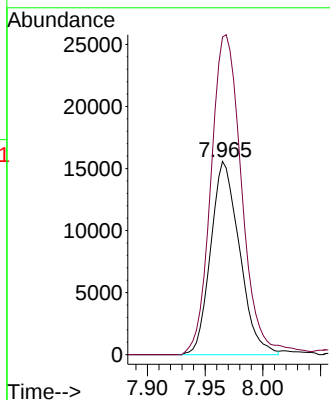
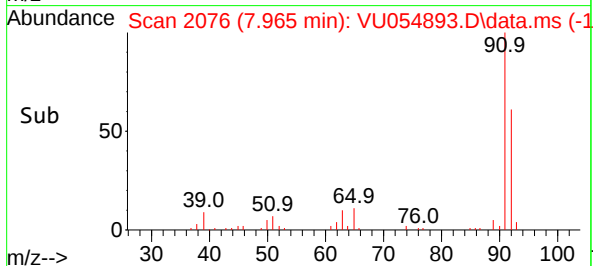
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



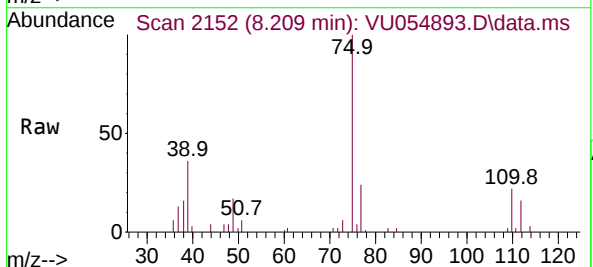
Tgt Ion: 92 Resp: 27040
Ion Ratio Lower Upper
92 100
91 177.6 142.9 214.3

Manual Integrations
APPROVED

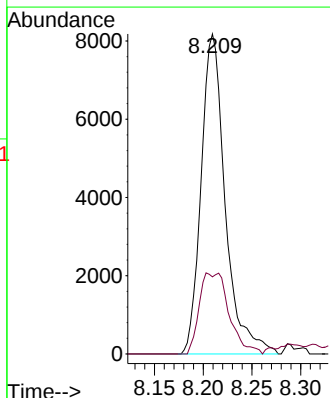
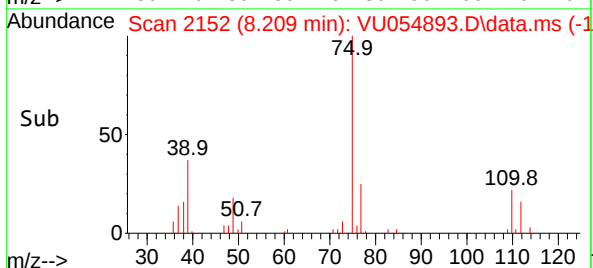
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

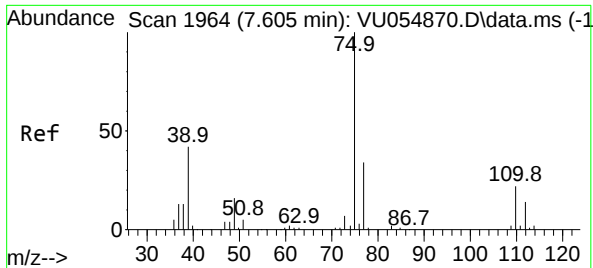


#50
t-1,3-Dichloropropene
Concen: 1.767 ug/l
RT: 8.209 min Scan# 2152
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



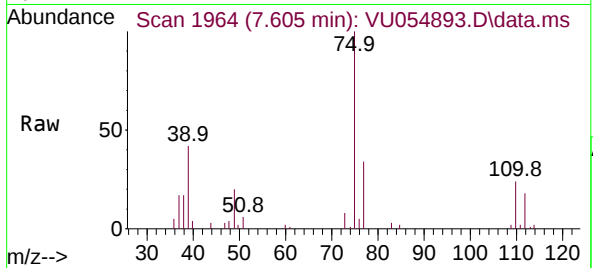
Tgt Ion: 75 Resp: 14062
Ion Ratio Lower Upper
75 100
77 24.1 24.9 37.3#





#51
 cis-1,3-Dichloropropene
 Concen: 1.785 ug/l
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VU054893.D
 Acq: 27 Jul 2023 12:09

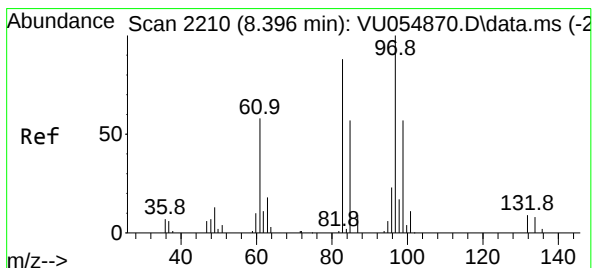
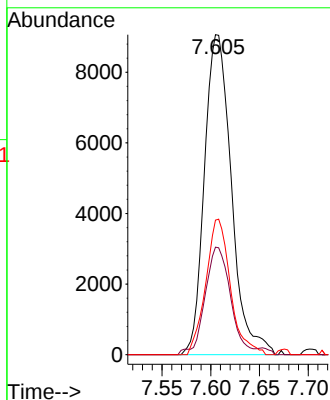
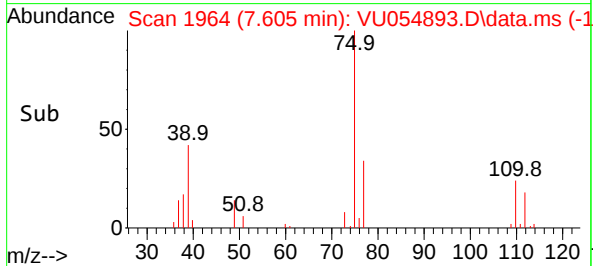
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01



Tgt Ion: 75 Resp: 17458
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.8 38.8
 39 42.0 31.7 47.5

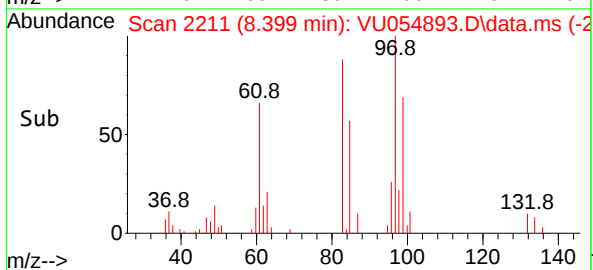
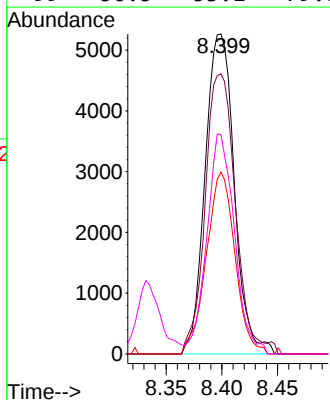
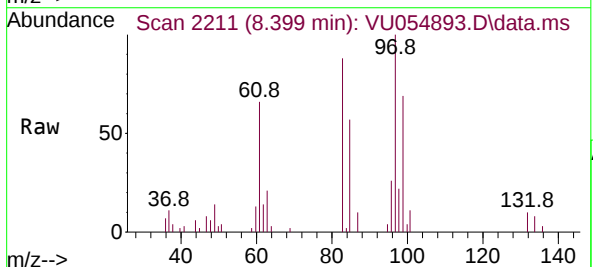
Manual Integrations
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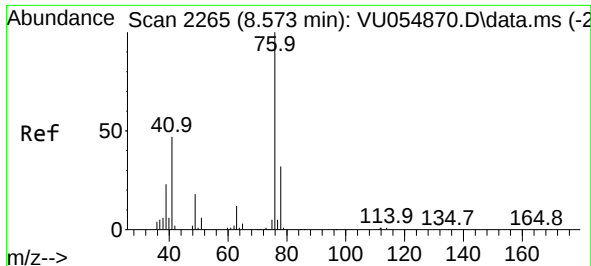
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#52
 1,1,2-Trichloroethane
 Concen: 1.879 ug/l
 RT: 8.399 min Scan# 2211
 Delta R.T. 0.003 min
 Lab File: VU054893.D
 Acq: 27 Jul 2023 12:09

Tgt Ion: 97 Resp: 9580
 Ion Ratio Lower Upper
 97 100
 83 72.1 77.4 116.2#
 85 46.8 47.8 71.8#
 99 56.5 53.1 79.7





#53

1,3-Dichloropropane

Concen: 1.956 ug/l

RT: 8.573 min Scan# 2100

Delta R.T. 0.000 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tgt Ion: 76 Resp: 1613

Ion Ratio Lower Upper

76 100

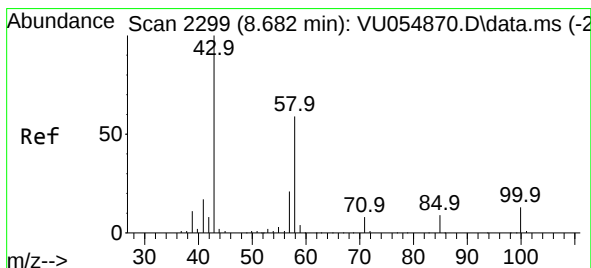
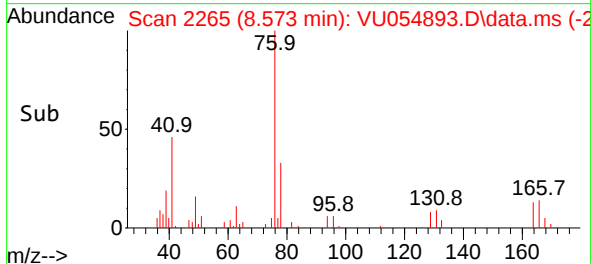
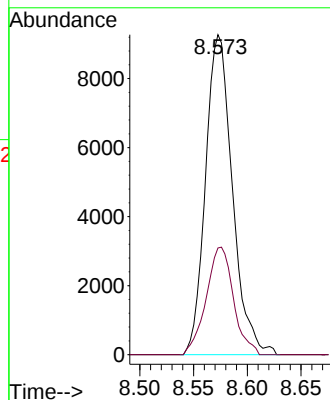
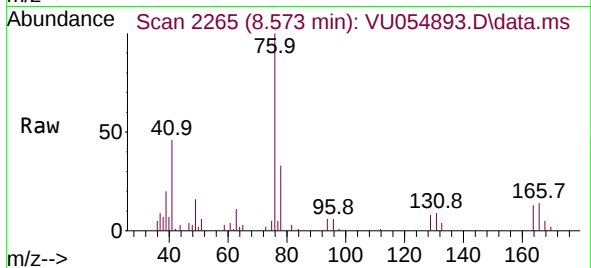
78 34.1 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#54

2-Hexanone

Concen: 10.023 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

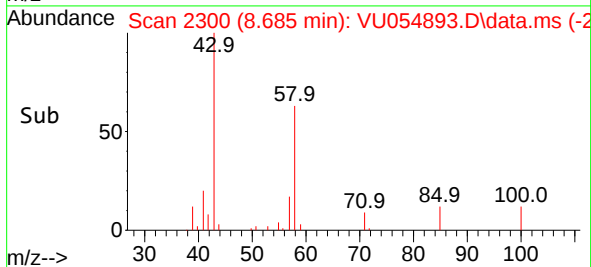
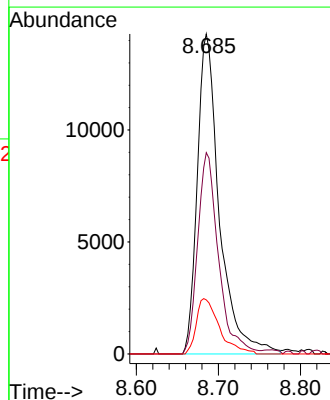
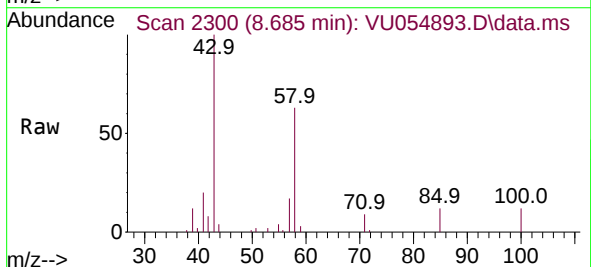
Tgt Ion: 43 Resp: 26730

Ion Ratio Lower Upper

43 100

58 59.0 38.9 78.9

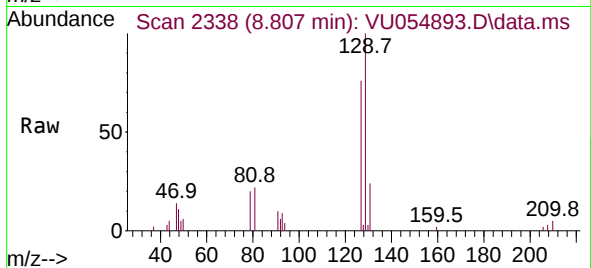
57 18.0 0.0 38.7





#55
Dibromochloromethane
Concen: 1.851 ug/l
RT: 8.807 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

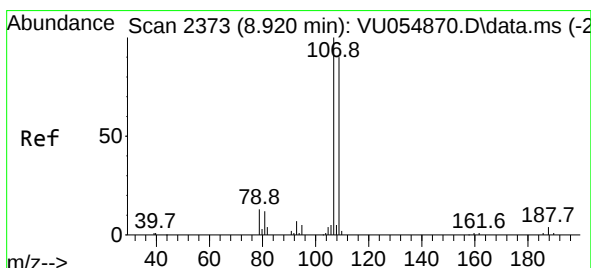
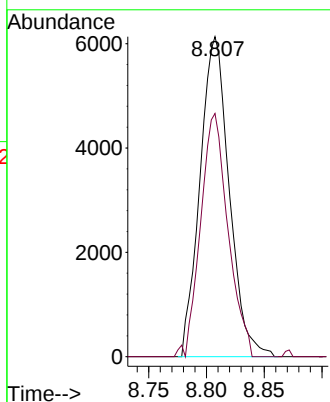
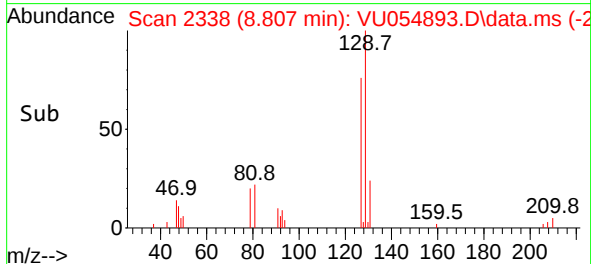
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



Tgt Ion:129 Resp: 10814
Ion Ratio Lower Upper
129 100
127 71.1 61.4 92.0

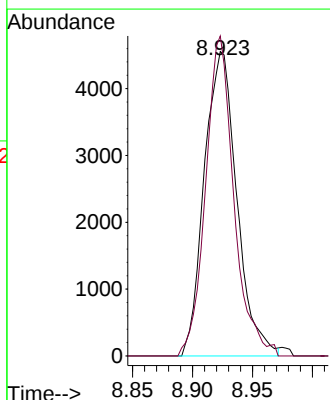
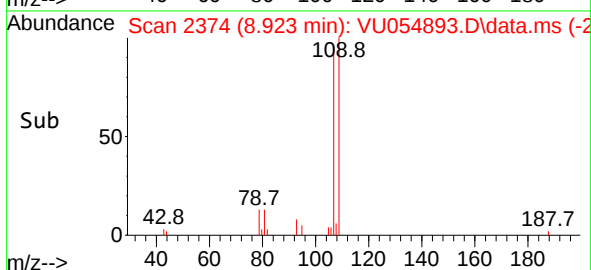
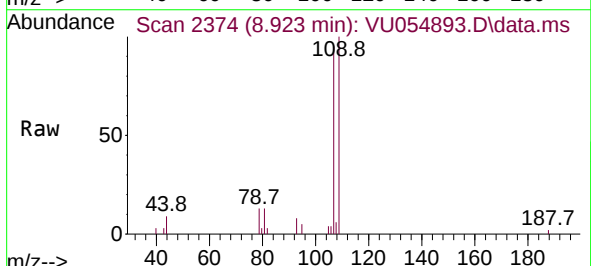
Manual Integrations
APPROVED

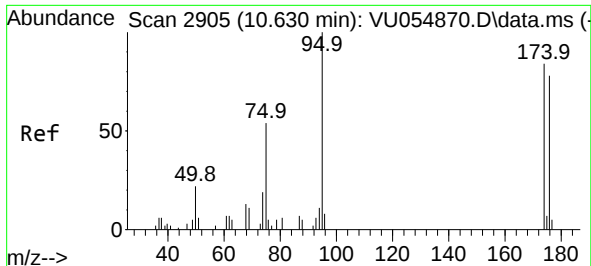
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#56
1,2-Dibromoethane
Concen: 1.991 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

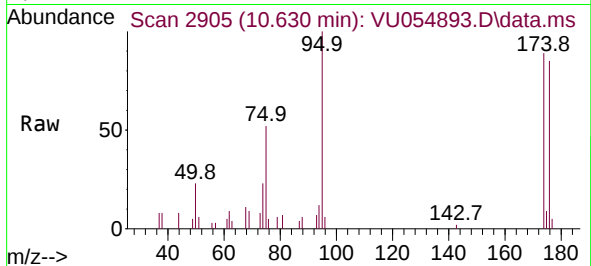
Tgt Ion:107 Resp: 8604
Ion Ratio Lower Upper
107 100
109 91.0 0.0 185.4





#57
4-Bromofluorobenzene
Concen: 1.075 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

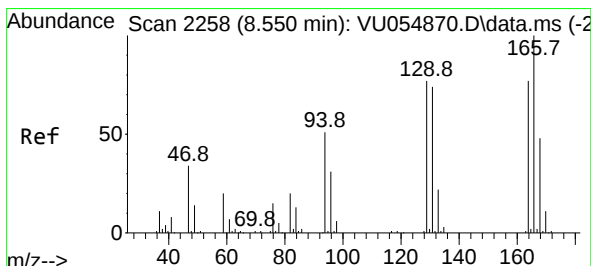
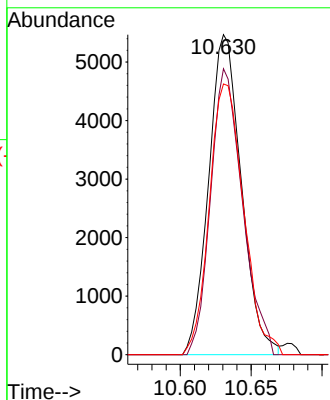
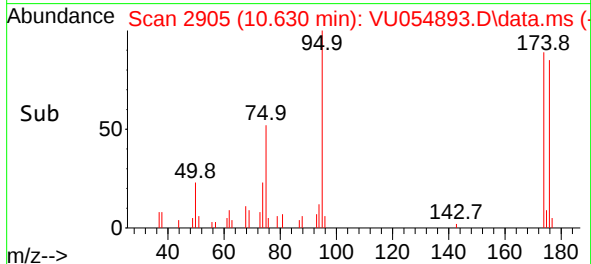
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



Tgt Ion: 95 Resp: 876
Ion Ratio Lower Upper
95 100
174 86.9 79.3 118.9
176 88.6 71.5 107.3

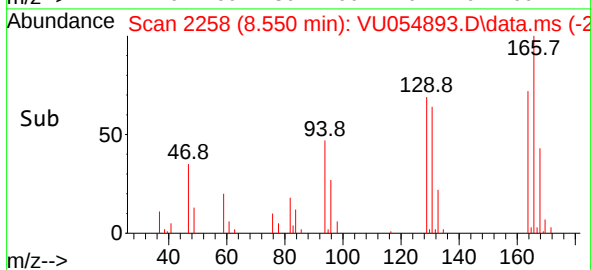
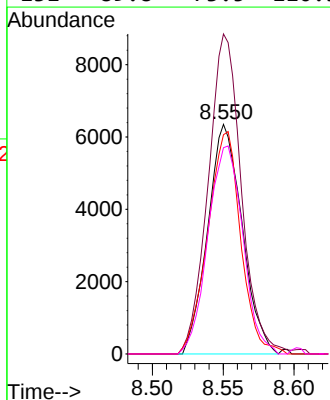
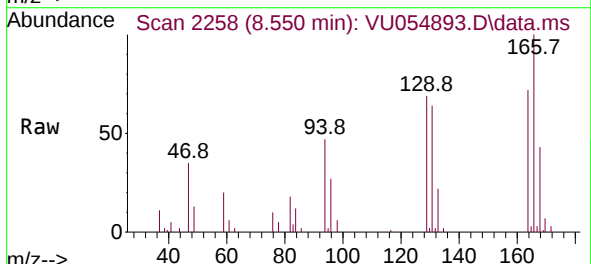
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#58
Tetrachloroethene
Concen: 1.887 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

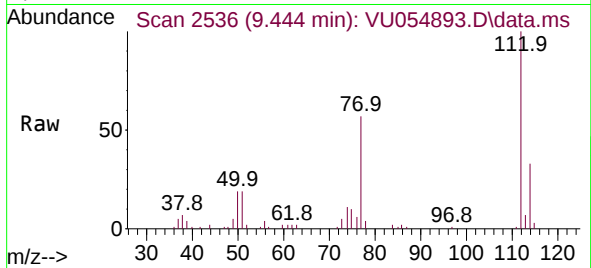
Tgt Ion:164 Resp: 10730
Ion Ratio Lower Upper
164 100
166 139.4 100.4 150.6
129 95.5 71.9 107.9
131 89.8 73.5 110.3





#59
Chlorobenzene
Concen: 1.755 ug/l
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

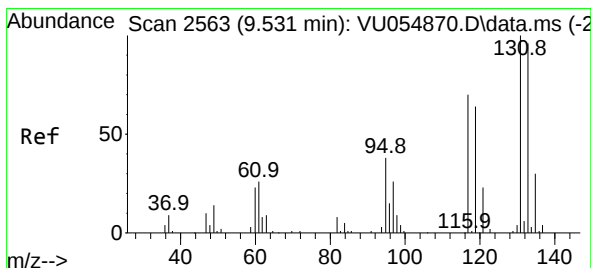
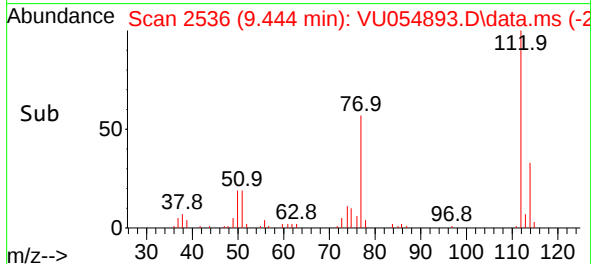
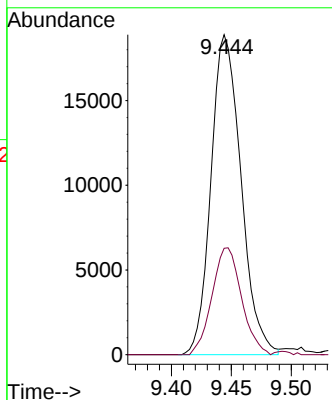
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



Tgt Ion:112 Resp: 3286
Ion Ratio Lower Upper
112 100
114 33.3 25.0 37.6

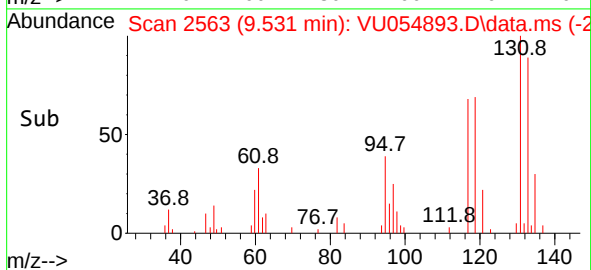
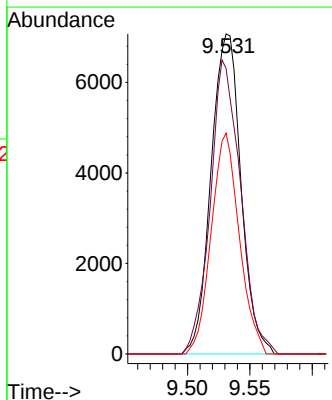
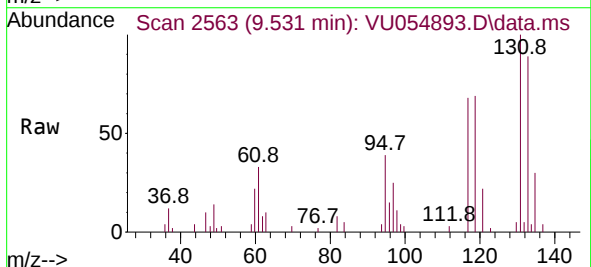
Manual Integrations
APPROVED

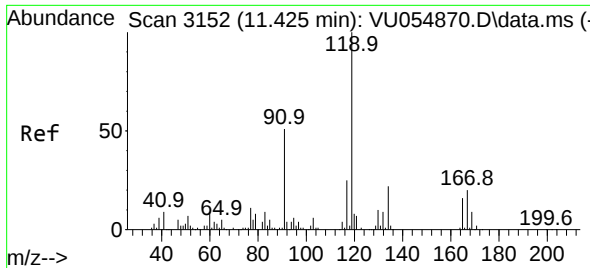
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 1.788 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

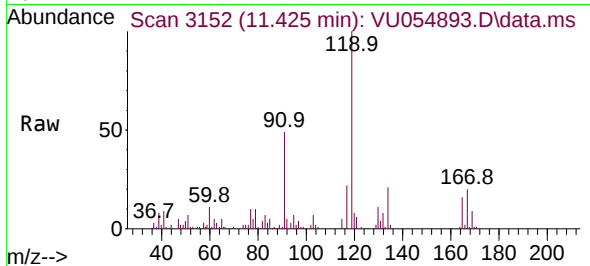
Tgt Ion:131 Resp: 11824
Ion Ratio Lower Upper
131 100
133 92.8 74.2 111.4
119 64.8 51.0 76.4





#61
Pentachloroethane
Concen: 1.681 ug/l
RT: 11.425 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

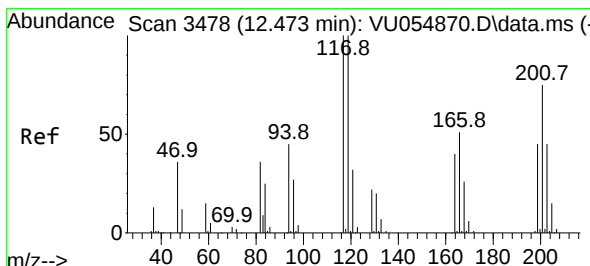
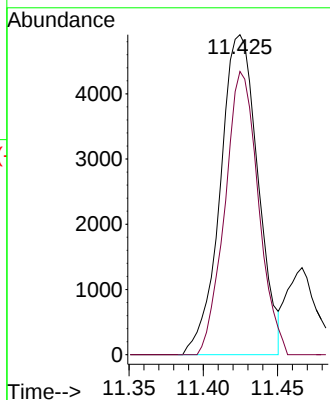
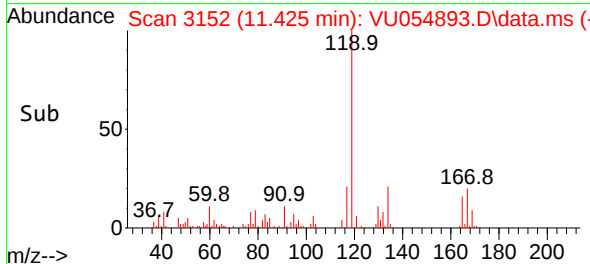
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



Tgt Ion:117 Resp: 868
Ion Ratio Lower Upper
117 100
167 78.4 65.3 97.9

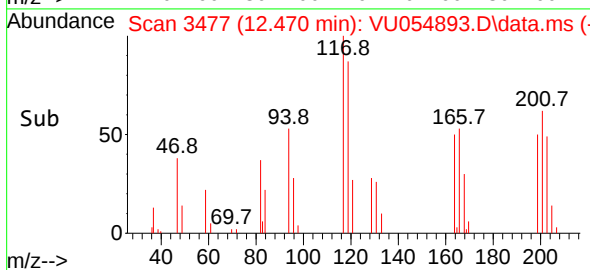
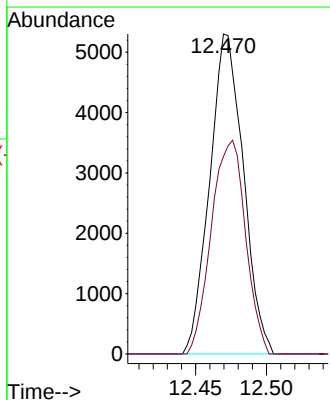
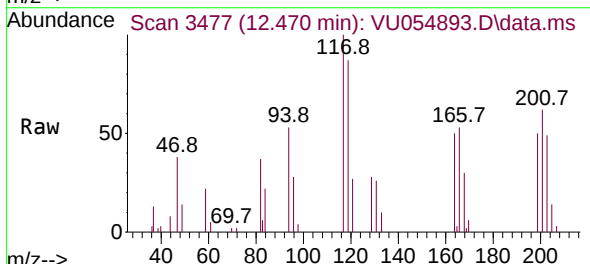
Manual Integrations
APPROVED

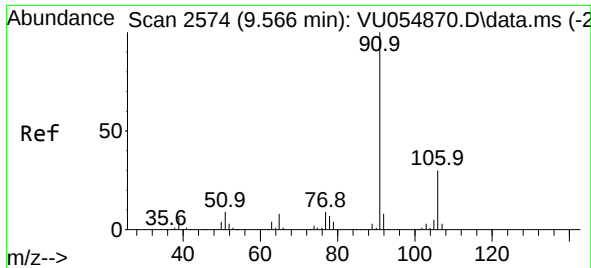
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#62
Hexachloroethane
Concen: 1.649 ug/l
RT: 12.470 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Tgt Ion:117 Resp: 8759
Ion Ratio Lower Upper
117 100
201 67.8 56.1 84.1





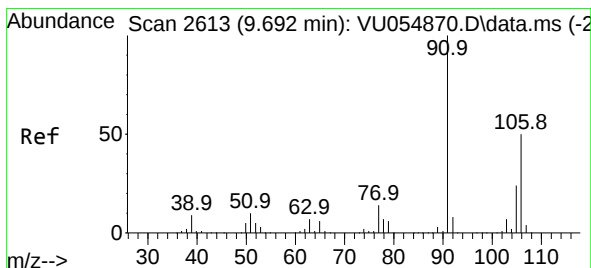
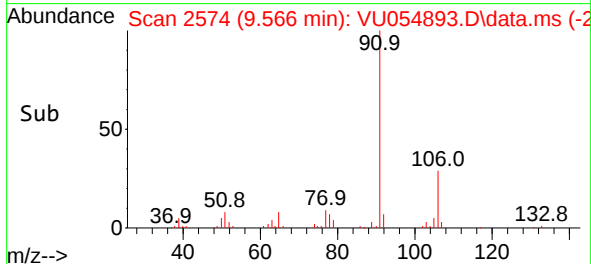
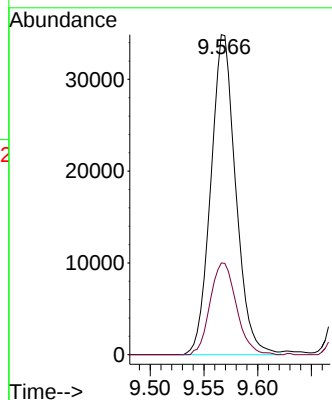
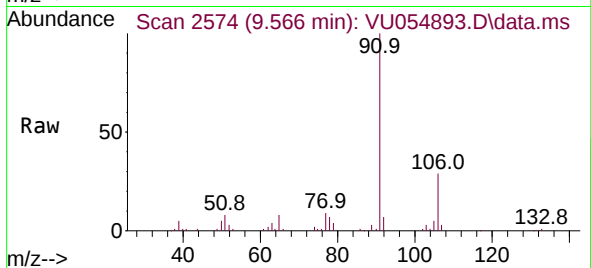
#63
Ethyl Benzene
Concen: 1.790 ug/l
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion: 91 Resp: 5625
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.2

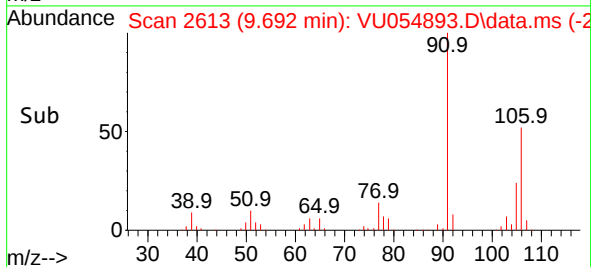
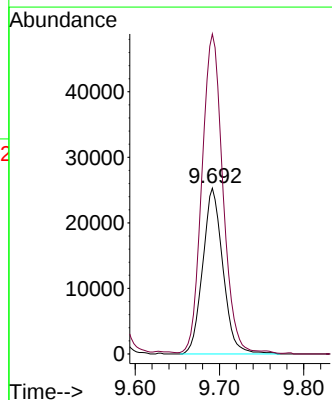
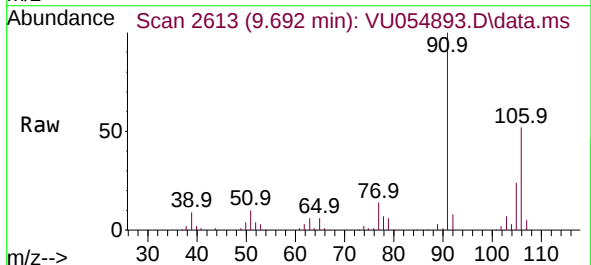
Manual Integrations
APPROVED

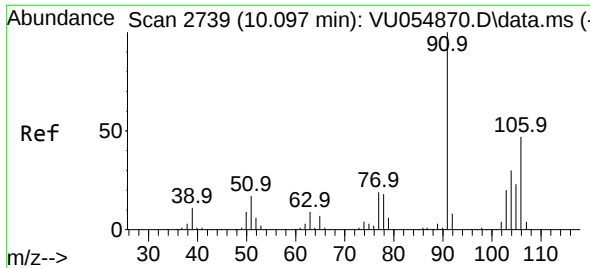
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#64
m/p-Xylenes
Concen: 3.592 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Tgt Ion:106 Resp: 42228
Ion Ratio Lower Upper
106 100
91 198.1 158.8 238.2





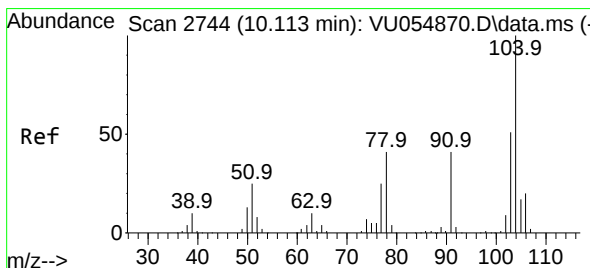
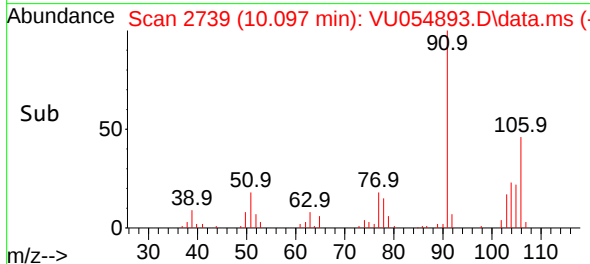
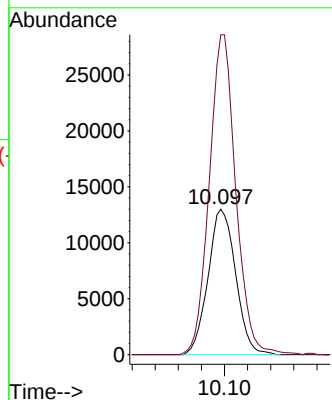
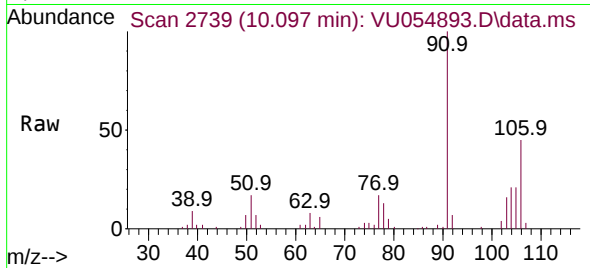
#65
o-Xylene
Concen: 1.787 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion:106 Resp: 21584
Ion Ratio Lower Upper
106 100
91 211.5 108.9 326.8

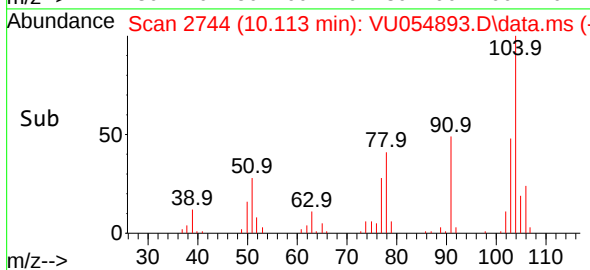
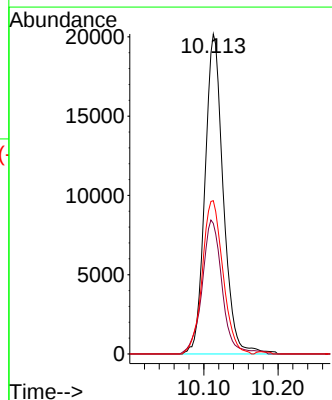
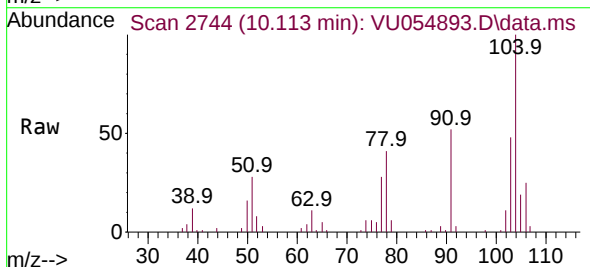
Manual Integrations
APPROVED

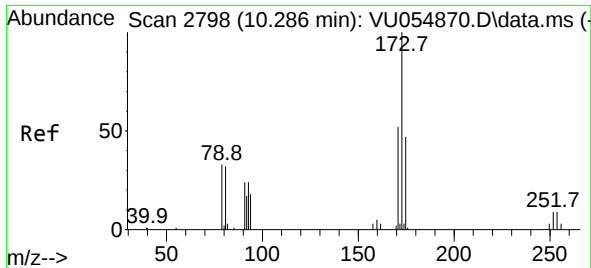
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#66
Styrene
Concen: 1.791 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

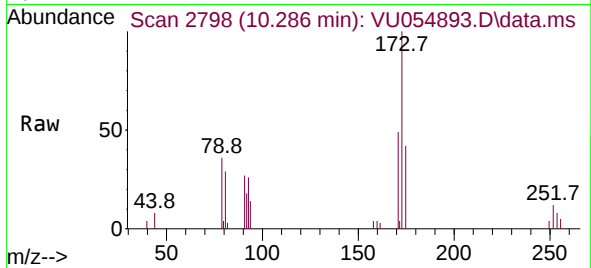
Tgt Ion:104 Resp: 34574
Ion Ratio Lower Upper
104 100
78 45.6 37.5 56.3
103 53.9 45.2 67.8





#67
Bromoform
Concen: 1.966 ug/l
RT: 10.286 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

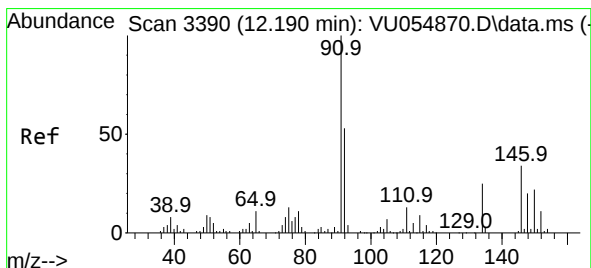
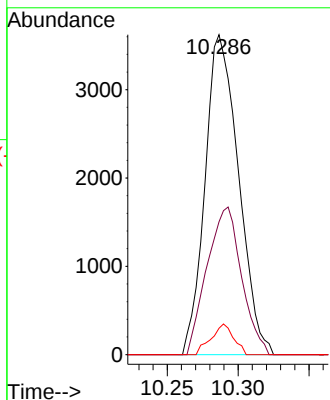
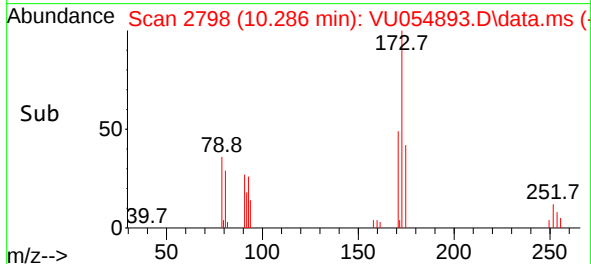
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



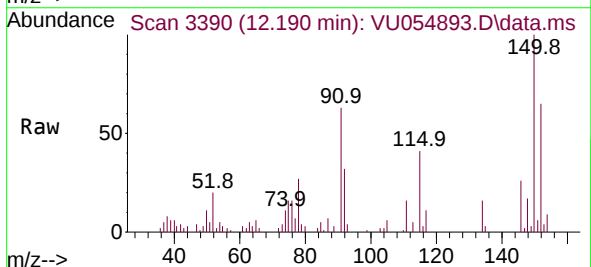
Tgt Ion:173 Resp: 5950
Ion Ratio Lower Upper
173 100
175 47.5 39.0 58.6
254 6.4 7.4 11.0

Manual Integrations
APPROVED

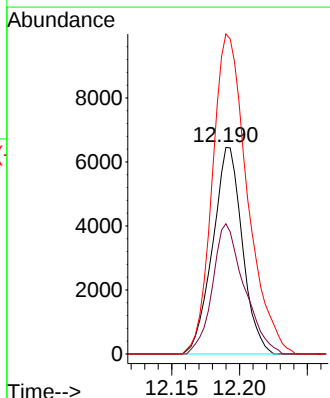
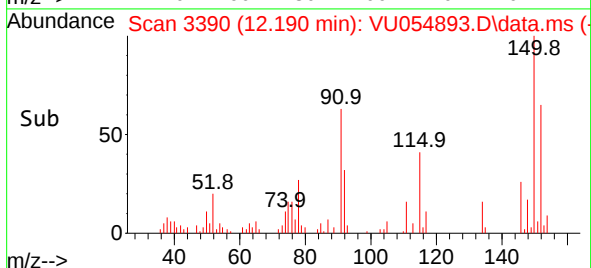
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

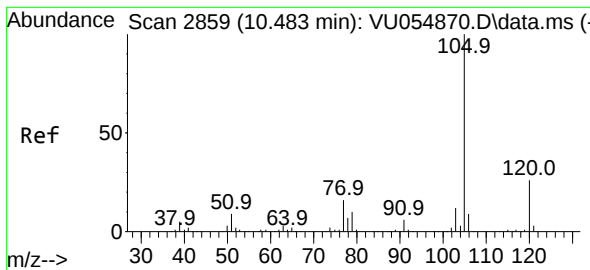


#68
1,2-Dichlorobenzene-d4
Concen: 1.066 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



Tgt Ion:152 Resp: 9822
Ion Ratio Lower Upper
152 100
115 67.6 0.0 234.8
150 182.2 0.0 598.2





#69

Isopropylbenzene

Concen: 1.765 ug/l

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

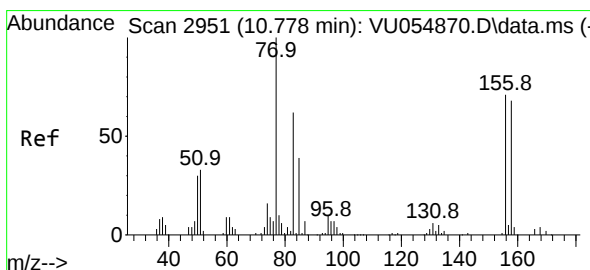
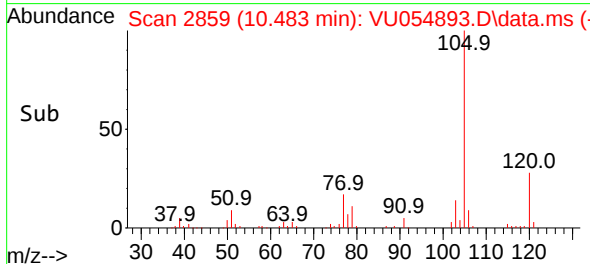
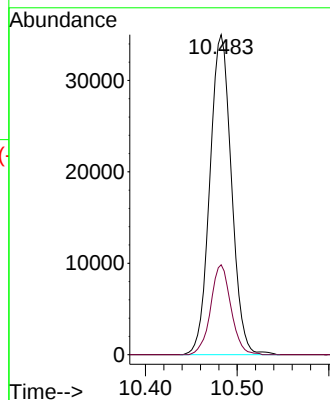
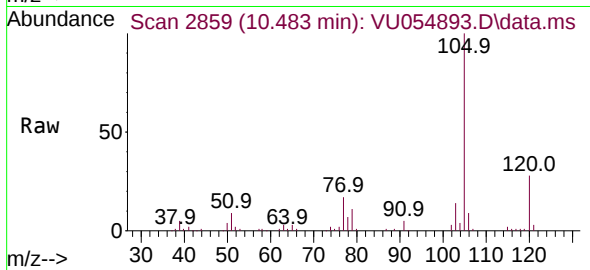
Tgt Ion:105 Resp: 5722
 Ion Ratio Lower Upper
 105 100
 120 26.4 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 1.947 ug/l

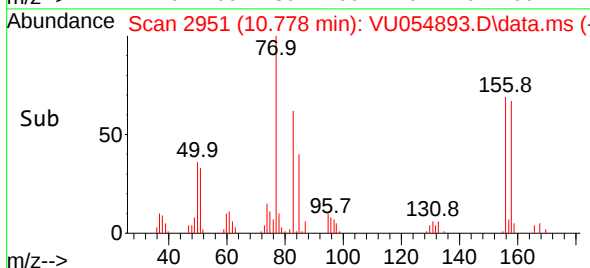
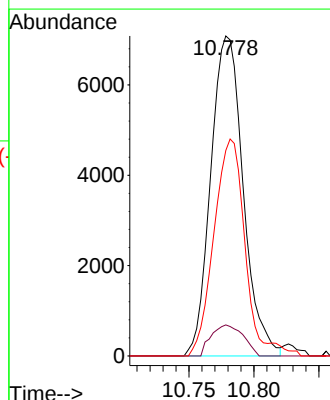
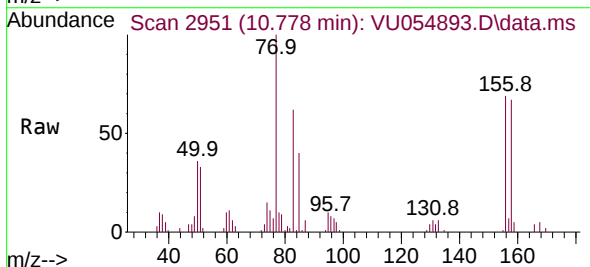
RT: 10.778 min Scan# 2951

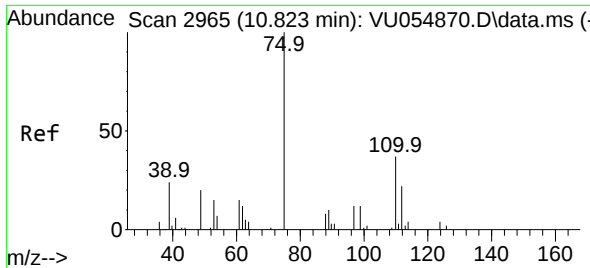
Delta R.T. 0.000 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

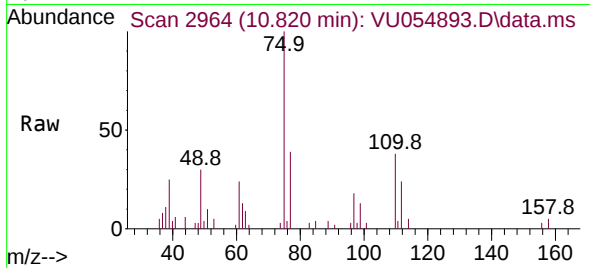
Tgt Ion: 83 Resp: 12290
 Ion Ratio Lower Upper
 83 100
 131 9.6 7.5 11.3
 85 65.1 53.0 79.6





#71
1,2,3-Trichloropropane
Concen: 2.078 ug/l m
RT: 10.820 min Scan# 2965
Delta R.T. -0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

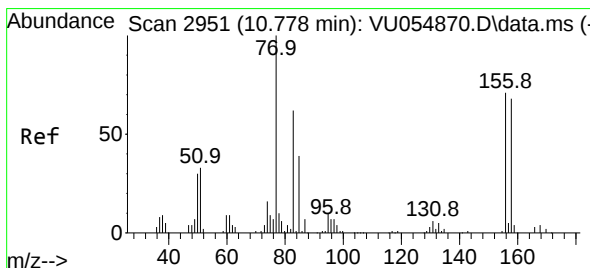
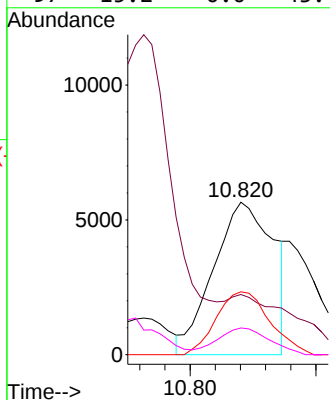
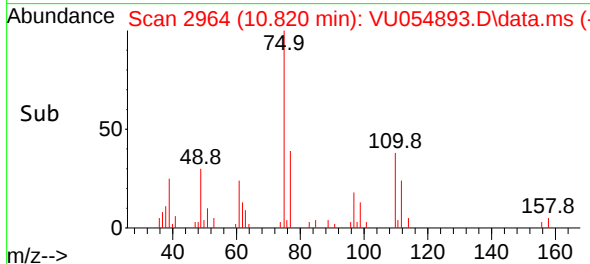
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



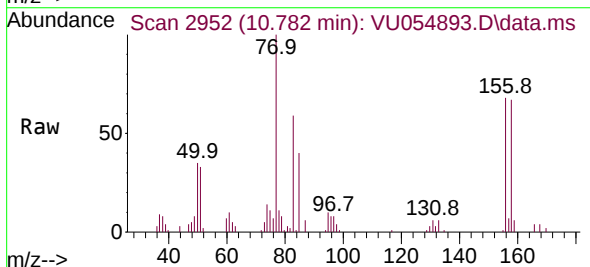
Tgt Ion: 75 Resp: 934
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 36.9 0.0 80.8
97 15.2 0.0 43.4

Manual Integrations
APPROVED

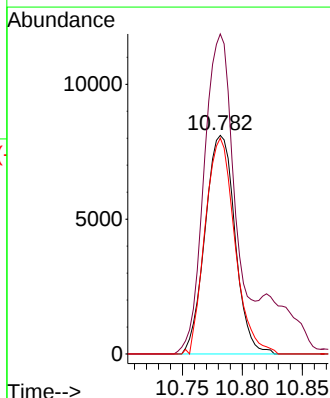
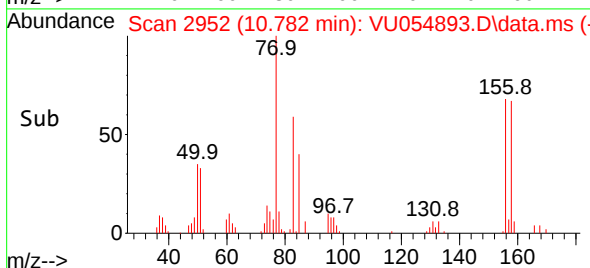
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

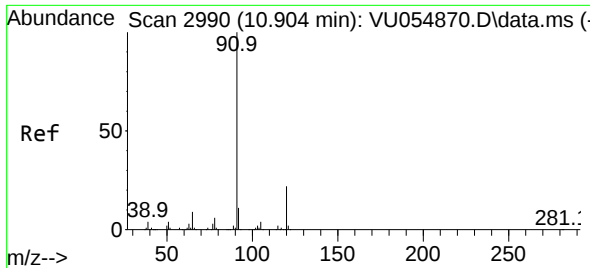


#72
Bromobenzene
Concen: 1.948 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



Tgt Ion:156 Resp: 14062
Ion Ratio Lower Upper
156 100
77 148.8 0.0 293.2
158 97.9 0.0 189.8





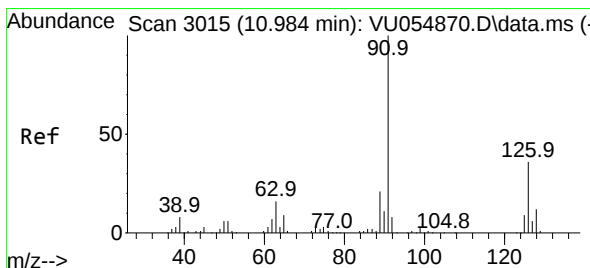
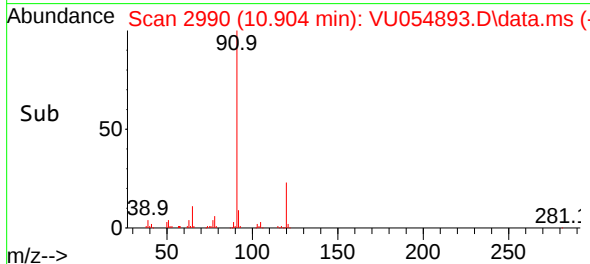
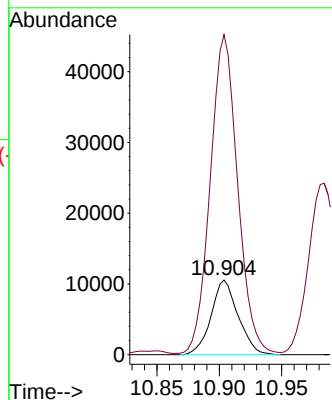
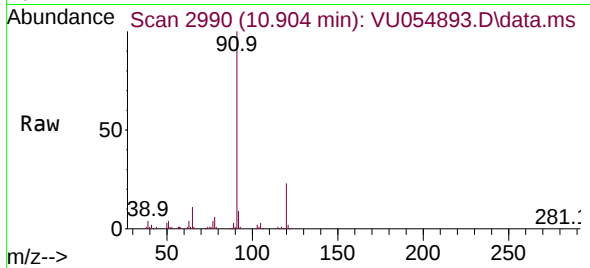
#73
n-propylbenzene
Concen: 1.833 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion:120 Resp: 1590
Ion Ratio Lower Upper
120 100
91 432.1 361.8 542.6

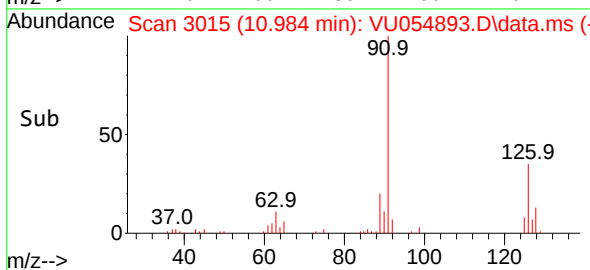
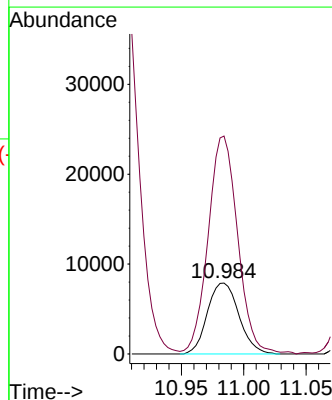
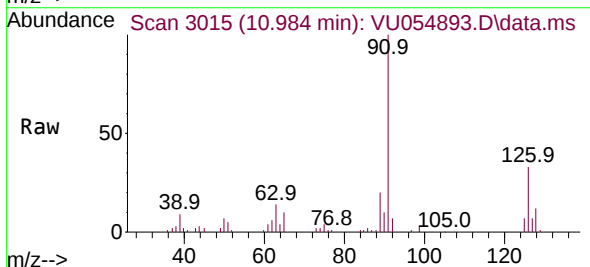
Manual Integrations
APPROVED

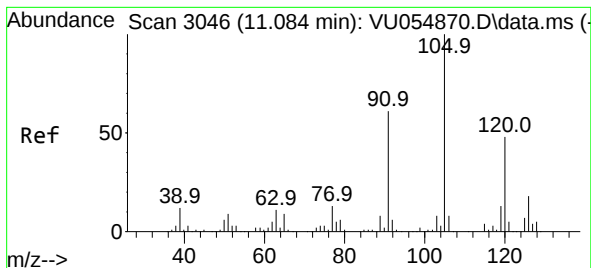
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#74
2-Chlorotoluene
Concen: 1.849 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Tgt Ion:126 Resp: 13888
Ion Ratio Lower Upper
126 100
91 289.1 0.0 561.4





#75

1,3,5-Trimethylbenzene

Concen: 1.783 ug/l

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tgt Ion:105 Resp: 46810

Ion Ratio Lower Upper

105 100

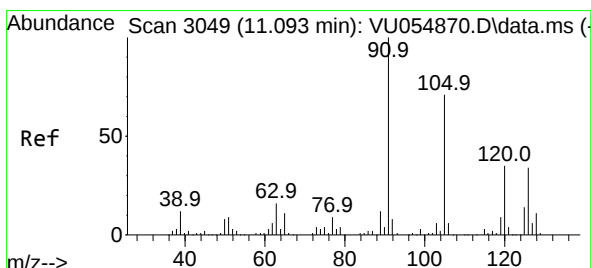
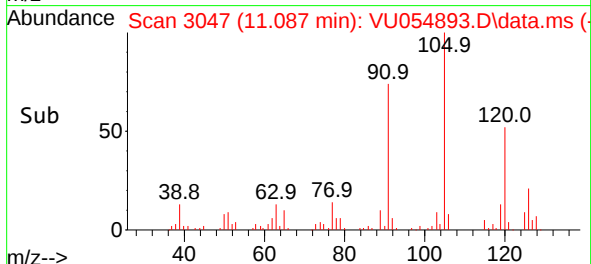
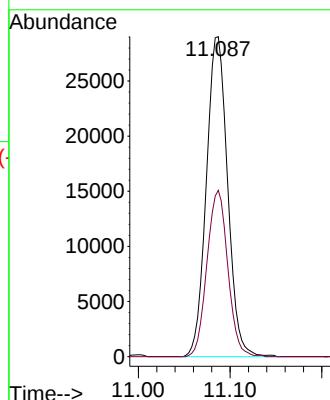
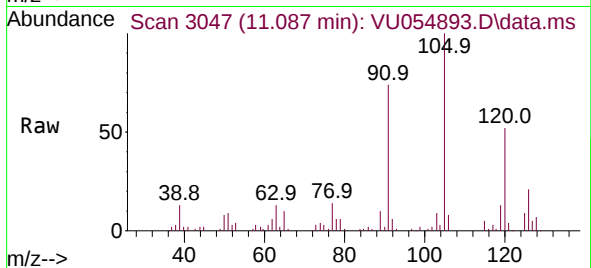
120 50.9 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#76

4-Chlorotoluene

Concen: 1.784 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VU054893.D

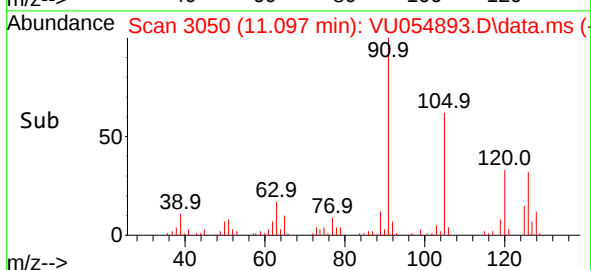
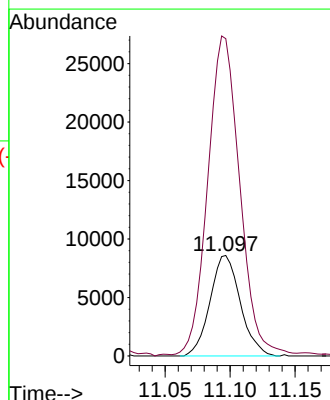
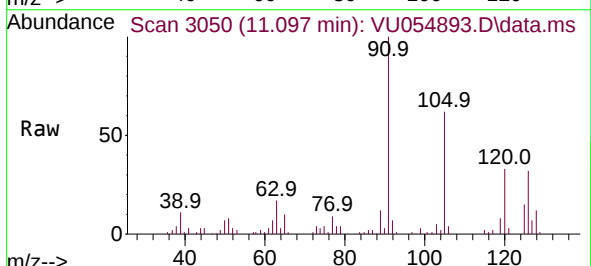
Acq: 27 Jul 2023 12:09

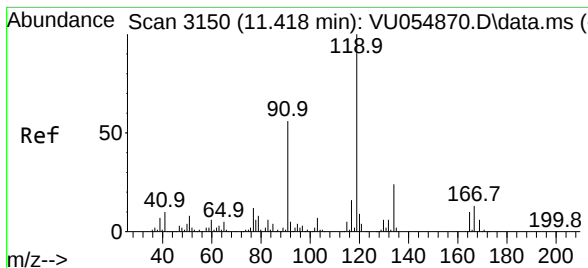
Tgt Ion:126 Resp: 13919

Ion Ratio Lower Upper

126 100

91 333.1 0.0 623.4





#77

tert-Butylbenzene

Concen: 1.786 ug/l

RT: 11.415 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU054893.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tgt Ion:119 Resp: 48760

Ion Ratio Lower Upper

119 100

91 53.5 27.7 83.1

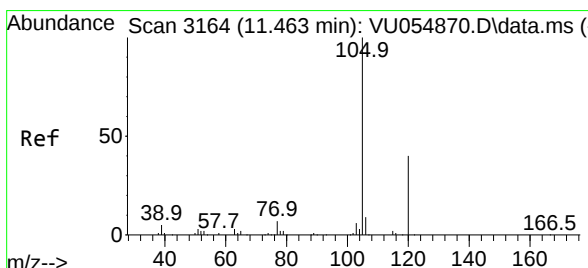
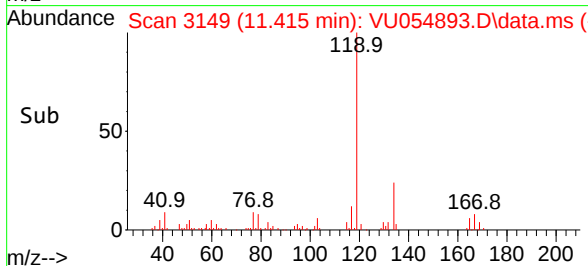
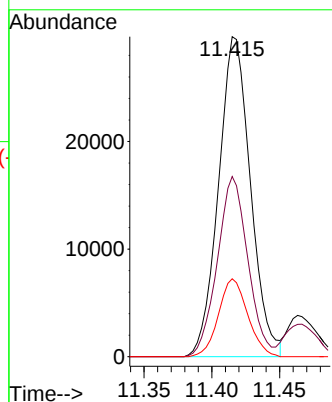
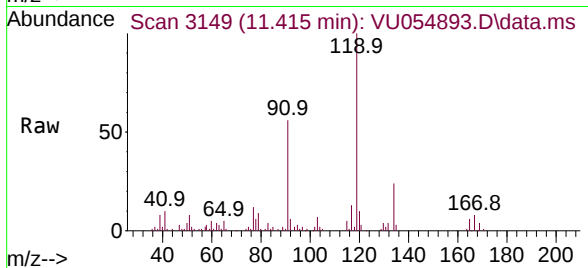
134 22.3 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#78

1,2,4-Trimethylbenzene

Concen: 1.730 ug/l

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU054893.D

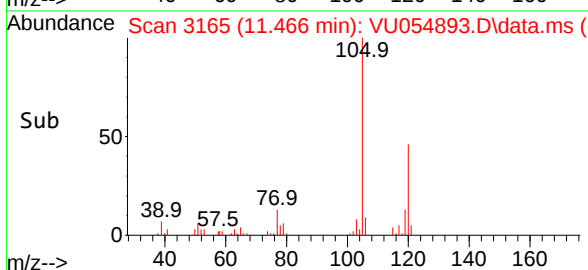
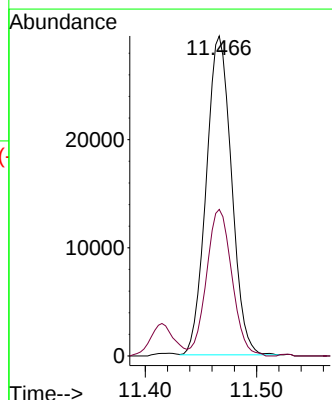
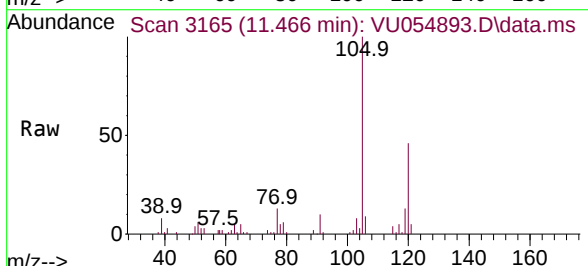
Acq: 27 Jul 2023 12:09

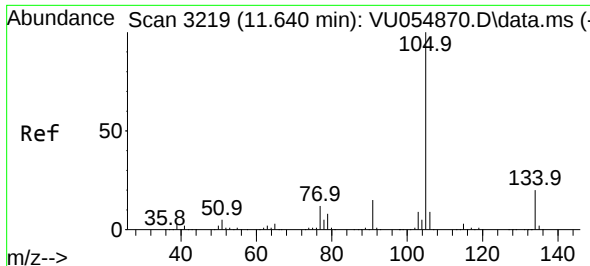
Tgt Ion:105 Resp: 46489

Ion Ratio Lower Upper

105 100

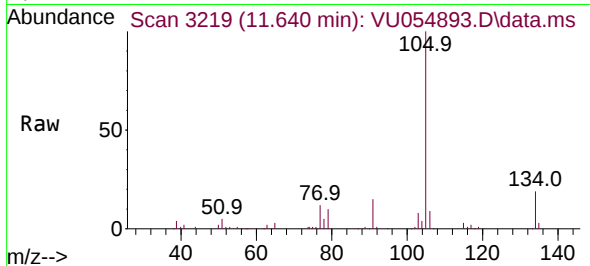
120 46.2 22.4 67.3





#79
 sec-Butylbenzene
 Concen: 1.760 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: VU054893.D
 Acq: 27 Jul 2023 12:09

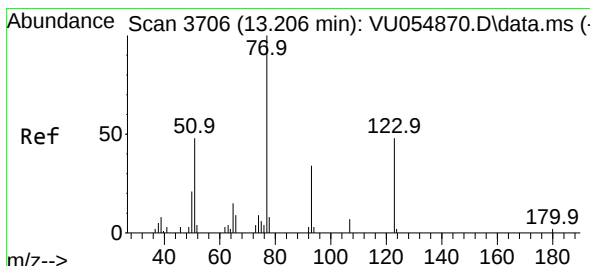
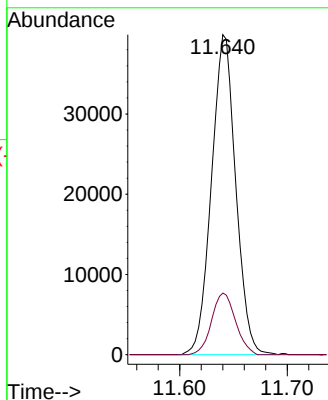
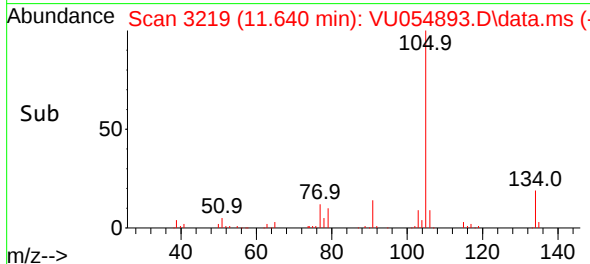
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01



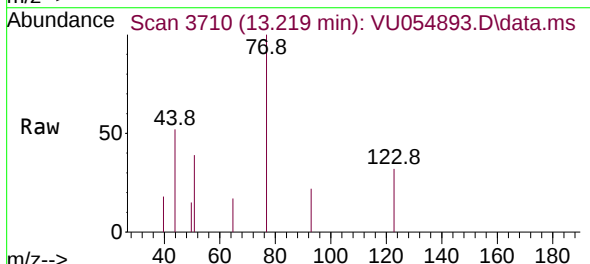
Tgt Ion:105 Resp: 6245
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.7 23.5

Manual Integrations
 APPROVED

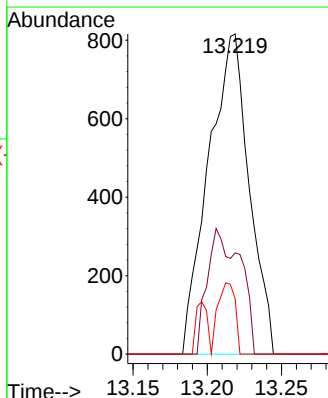
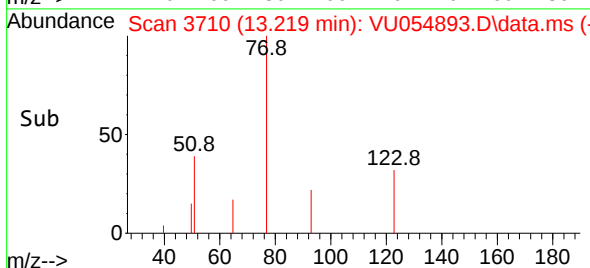
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023

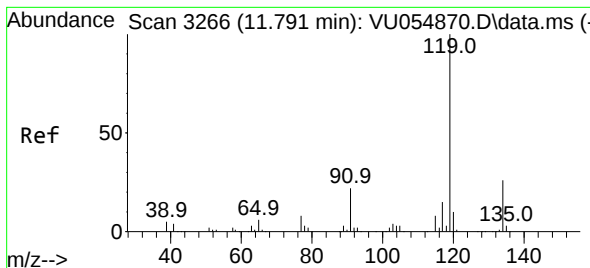


#80
 Nitrobenzene
 Concen: 9.359 ug/l
 RT: 13.219 min Scan# 3710
 Delta R.T. 0.013 min
 Lab File: VU054893.D
 Acq: 27 Jul 2023 12:09



Tgt Ion: 77 Resp: 1552
 Ion Ratio Lower Upper
 77 100
 123 20.7 20.2 71.8
 65 9.5 11.7 14.9#





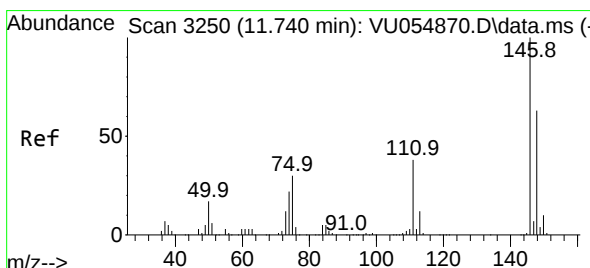
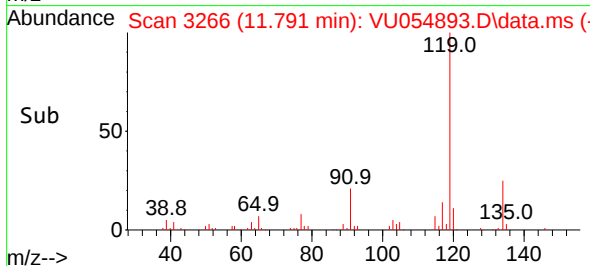
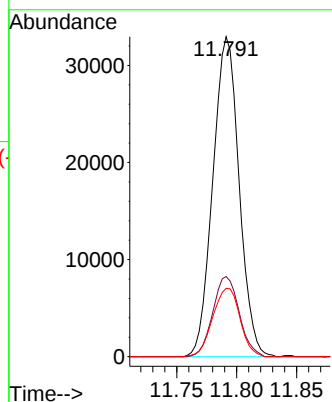
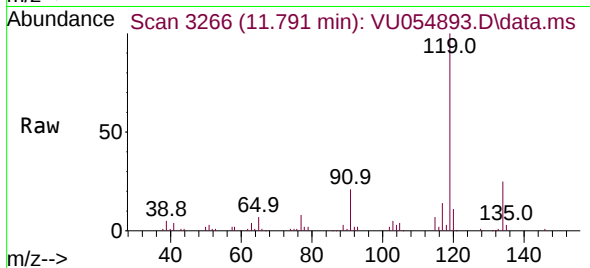
#81
p-Isopropyltoluene
Concen: 1.789 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tgt Ion:119 Resp: 5010
Ion Ratio Lower Upper
119 100
134 25.1 20.6 31.0
91 22.2 18.2 27.4

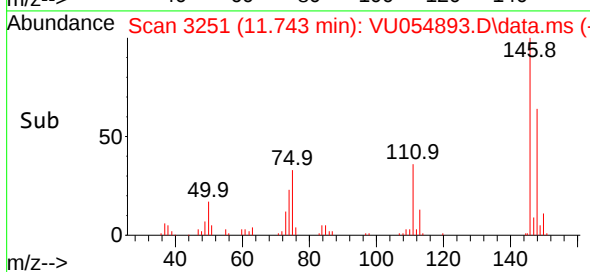
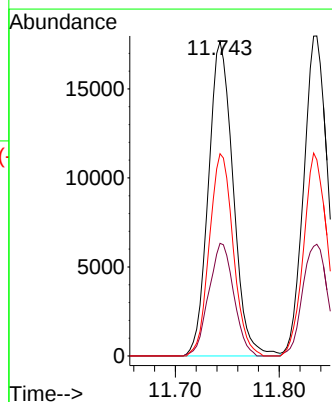
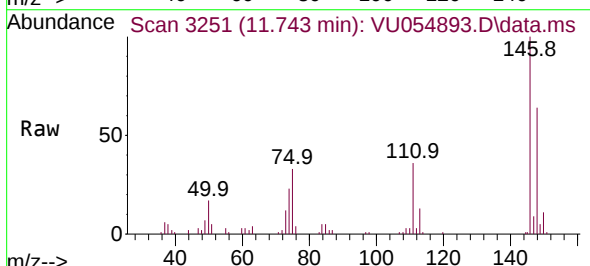
Manual Integrations
APPROVED

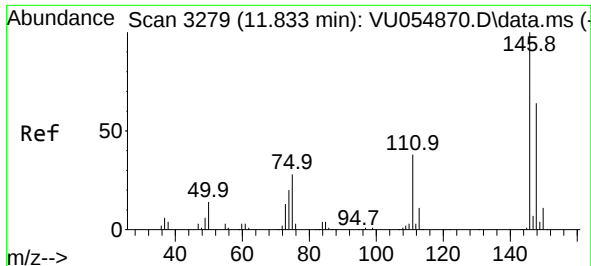
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#82
1,3-Dichlorobenzene
Concen: 1.899 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

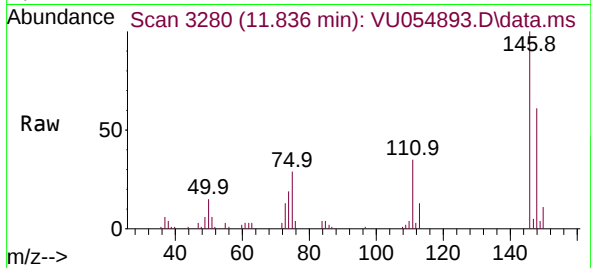
Tgt Ion:146 Resp: 29183
Ion Ratio Lower Upper
146 100
111 36.1 30.5 45.7
148 62.1 51.0 76.6





#83
1,4-Dichlorobenzene
Concen: 1.883 ug/l
RT: 11.836 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

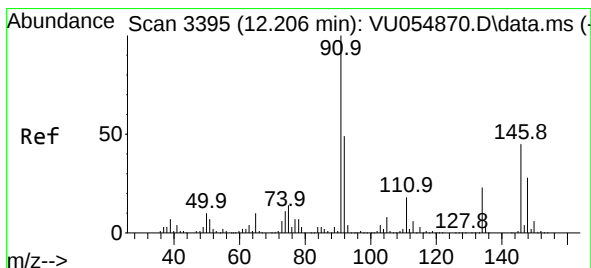
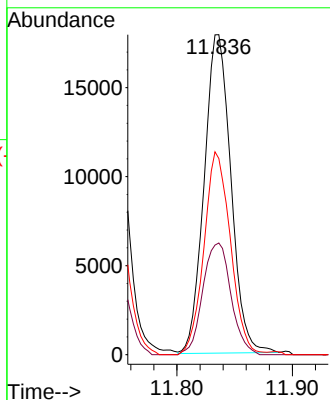
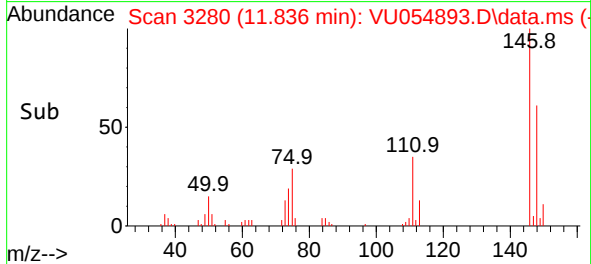
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



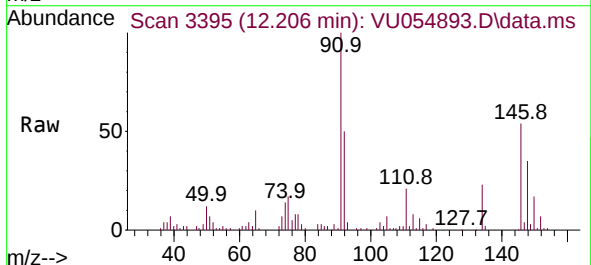
Tgt Ion:146 Resp: 2884
Ion Ratio Lower Upper
146 100
111 36.8 29.5 44.3
148 63.2 51.2 76.8

Manual Integrations
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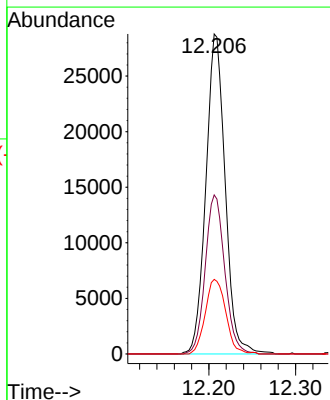
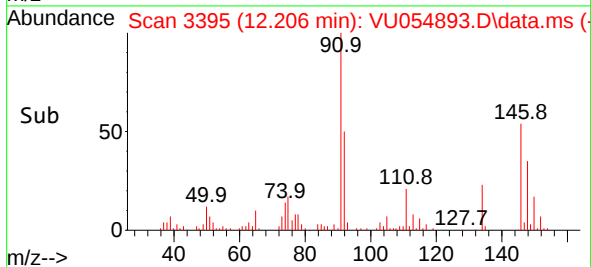
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

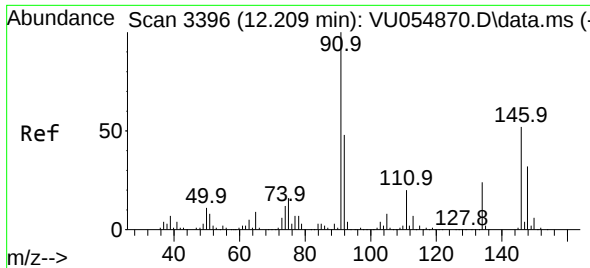


#84
n-Butylbenzene
Concen: 1.771 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



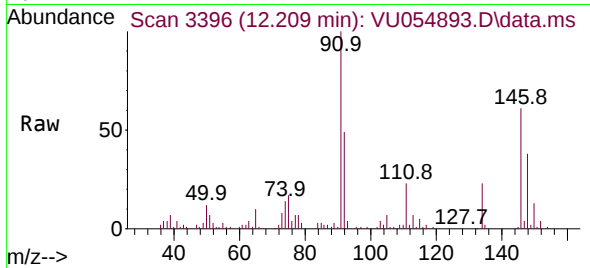
Tgt Ion: 91 Resp: 44557
Ion Ratio Lower Upper
91 100
92 50.3 39.8 59.8
134 24.8 20.2 30.4





#85
1,2-Dichlorobenzene
Concen: 1.823 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

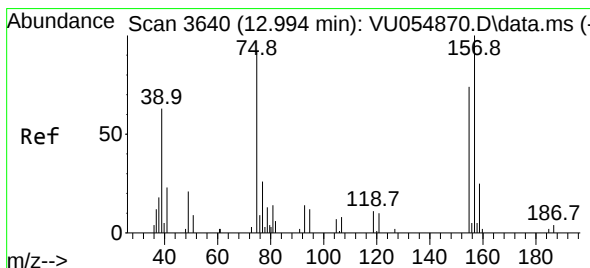
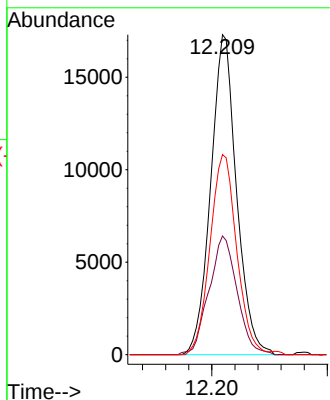
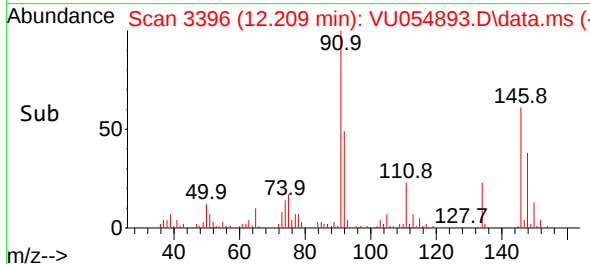
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



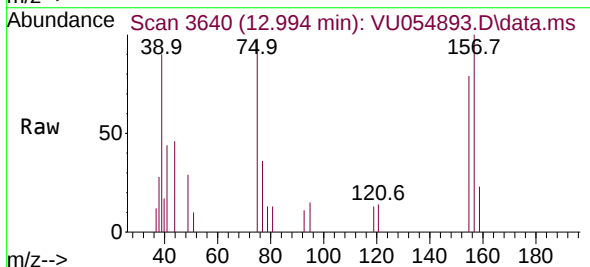
Tgt Ion:146 Resp: 26860
Ion Ratio Lower Upper
146 100
111 40.3 19.8 59.4
148 64.7 31.8 95.3

Manual Integrations
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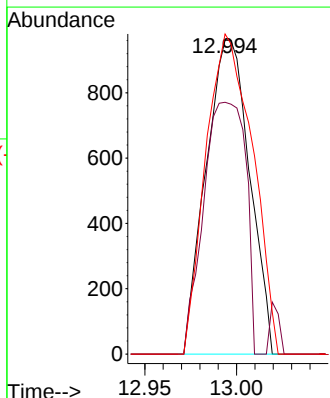
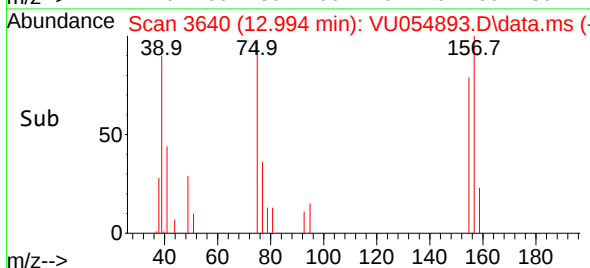
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

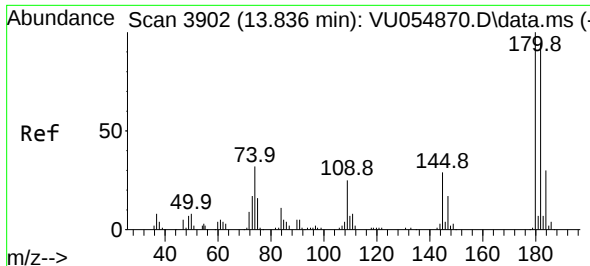


#86
1,2-Dibromo-3-Chloropropane
Concen: 1.892 ug/l
RT: 12.994 min Scan# 3640
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



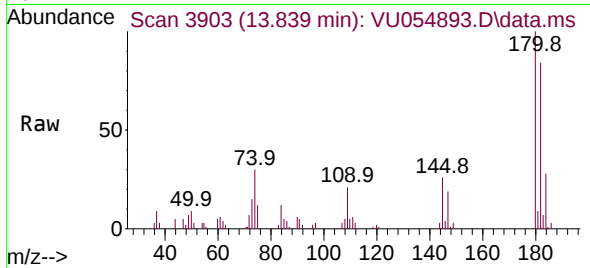
Tgt Ion: 75 Resp: 1588
Ion Ratio Lower Upper
75 100
155 77.3 74.8 112.2
157 109.3 97.4 146.0





#87
1,2,4-Trichlorobenzene
Concen: 1.930 ug/l
RT: 13.839 min Scan# 3903
Delta R.T. 0.003 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

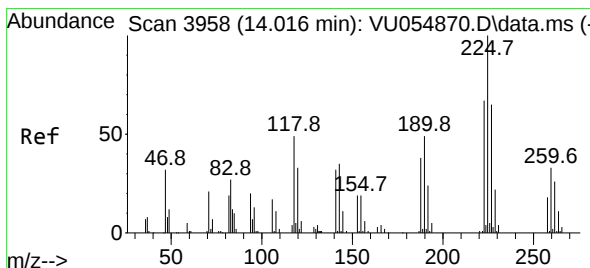
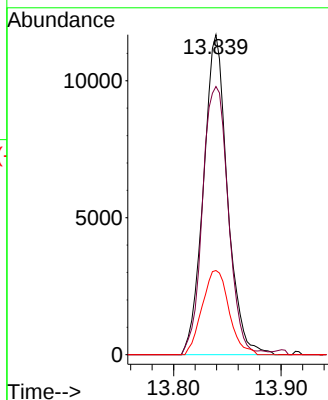
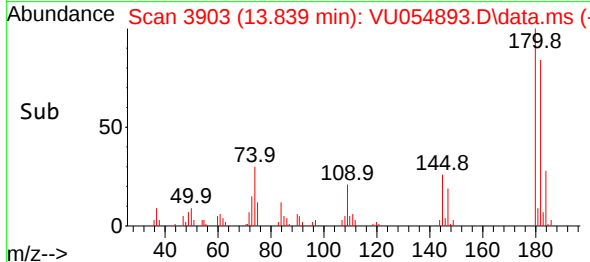
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



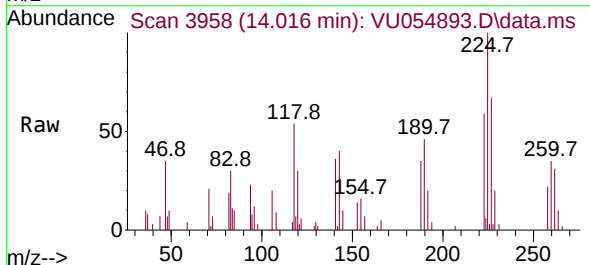
Tgt Ion:180 Resp: 18134
Ion Ratio Lower Upper
180 100
182 90.2 77.0 115.6
145 29.4 23.4 35.0

Manual Integrations
APPROVED

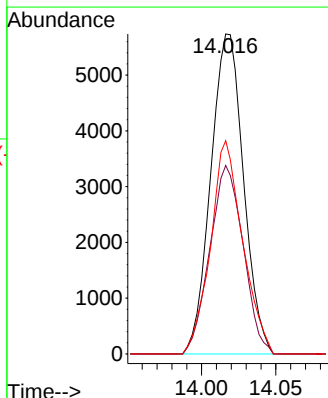
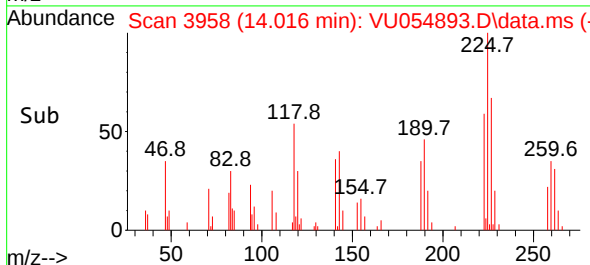
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

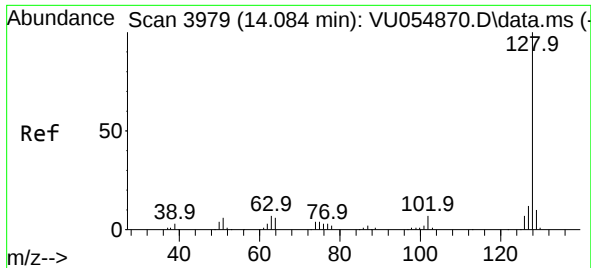


#88
Hexachlorobutadiene
Concen: 1.757 ug/l
RT: 14.016 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



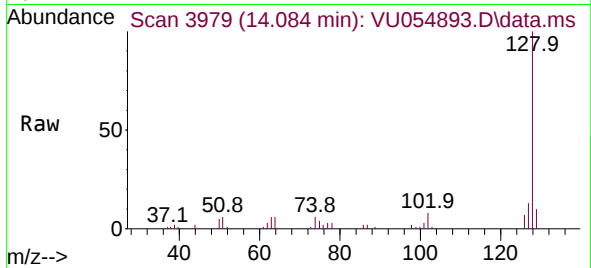
Tgt Ion:225 Resp: 8804
Ion Ratio Lower Upper
225 100
223 60.0 50.6 76.0
227 65.3 50.7 76.1





#89
Naphthalene
Concen: 2.122 ug/l
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09

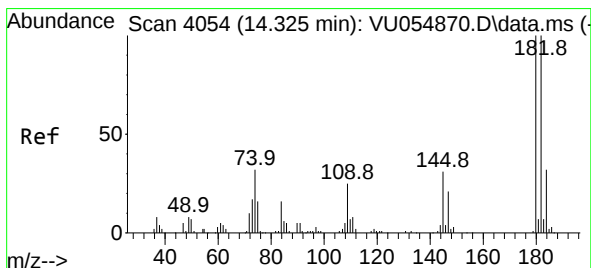
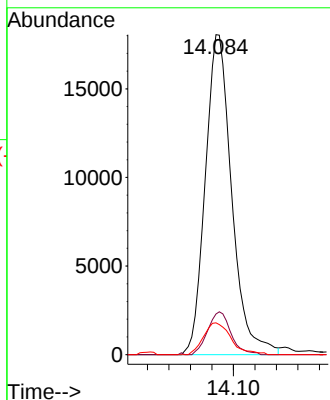
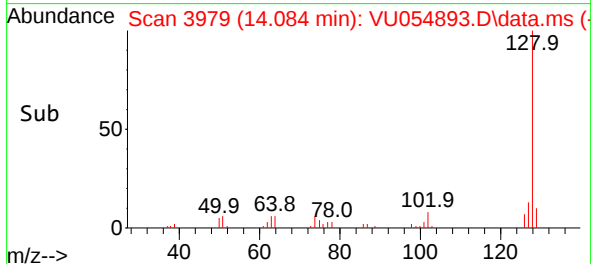
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01



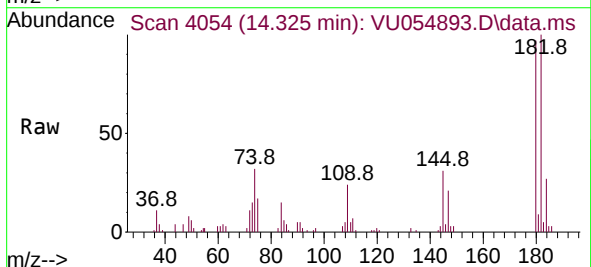
Tgt Ion:128 Resp: 3086
Ion Ratio Lower Upper
128 100
127 11.7 10.6 15.8
129 10.4 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#90
1,2,3-Trichlorobenzene
Concen: 1.847 ug/l
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054893.D
Acq: 27 Jul 2023 12:09



Tgt Ion:180 Resp: 15394
Ion Ratio Lower Upper
180 100
182 105.2 76.0 114.0
145 30.3 24.3 36.5

