

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054861.D
 Acq On : 24 Jul 2023 15:53
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 25 05:09:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 25 05:02:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	26616	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	7676	0.955	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9175	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	4706	0.889	ug/l	94
3) Chloromethane	1.519	50	5670	0.922	ug/l	89
4) Vinyl Chloride	1.602	62	7187	0.910	ug/l	96
5) Bromomethane	1.856	94	5446	0.972	ug/l	98
6) Chloroethane	1.930	64	6495	0.871	ug/l	97
7) Trichlorofluoromethane	2.133	101	16956	0.886	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	5400	0.985	ug/l	93
9) 1,1-Dichloroethene	2.573	96	4007	0.875	ug/l	89
10) Iodomethane	2.718	142	6225	0.844	ug/l	97
11) Allyl Chloride	2.924	41	4969	0.925	ug/l	94
12) Acrylonitrile	3.332	53	1861m	1.671	ug/l	
13) Acetone	2.654	43	3868	4.050	ug/l	96
14) Carbon Disulfide	2.789	76	6754	0.875	ug/l #	88
15) Methylene Chloride	3.043	84	6602	0.773	ug/l	91
16) trans-1,2-Dichloroethene	3.351	96	4115	0.809	ug/l	88
17) 1,1-Dichloroethane	3.863	63	10131	0.941	ug/l	98
18) 2-Butanone	4.734	43	5616m	4.020	ug/l	
19) Cyclohexane	5.380	56	5957	0.956	ug/l #	87
20) Methylcyclohexane	6.763	83	7404	0.894	ug/l	98
21) 2,2-Dichloropropane	4.660	77	8560	0.911	ug/l #	80
22) cis-1,2-Dichloroethene	4.666	96	5536	0.859	ug/l	87
23) Diethyl Ether	2.374	59	6428	0.914	ug/l	99
24) tert-Butyl Alcohol	3.281	59	3468m	5.723	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	12881	0.922	ug/l	99
26) Bromochloromethane	4.975	128	2451	0.998	ug/l	96
27) Chloroform	5.084	83	10886	0.920	ug/l	88
28) 1,1,1-Trichloroethane	5.309	97	9167	0.922	ug/l	98
29) 1,1-Dichloropropene	5.525	75	6481	0.916	ug/l	99
30) Carbon Tetrachloride	5.518	117	7303	0.884	ug/l	97
31) Isopropyl Ether	3.988	45	15398	0.966	ug/l	99
32) Ethyl-t-butyl ether	4.499	59	14494	0.885	ug/l	93
33) Tert-Amyl methyl ether	5.936	73	14194	0.921	ug/l #	96
34) Propionitrile	4.817	54	998	2.388	ug/l #	78
35) Benzene	5.772	78	21319	0.928	ug/l	100
36) 1,2-Dichloroethane	5.798	62	6026	0.913	ug/l #	94
37) Trichloroethene	6.544	130	5947	0.957	ug/l	94
38) 1,2-Dichloropropane	6.788	63	5514	0.831	ug/l	95
39) Methacrylonitrile	4.998	41	1552m	1.043	ug/l	
40) Methyl acrylate	4.866	55	989	0.390	ug/l #	73
41) Tetrahydrofuran	5.075	42	1795m	2.042	ug/l	
42) 1-Chlorobutane	5.457	56	9303	0.972	ug/l	97
43) Dibromomethane	6.917	93	2722	0.882	ug/l	96
44) Bromodichloromethane	7.104	83	7823	0.925	ug/l #	97

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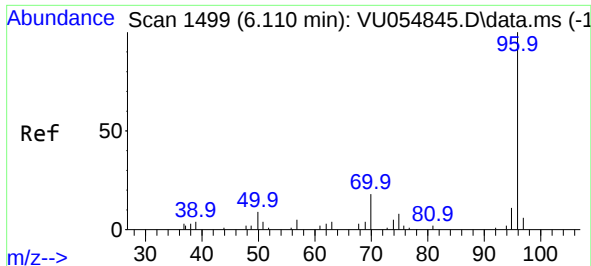
Quant Time: Jul 25 05:09:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
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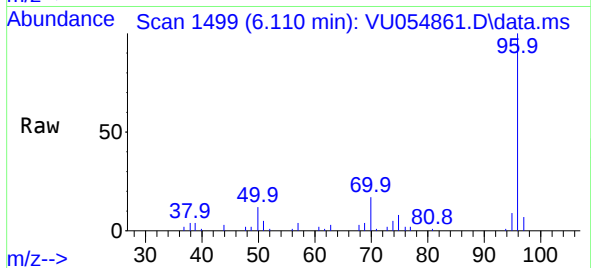
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	16149	4.421	ug/l	96
46) t-1,4-Dichloro-2-butene	10.833	75	2207m	1.443	ug/l	
47) Methyl methacrylate	6.962	69	5028	1.734	ug/l	94
48) Ethyl methacrylate	8.332	69	5136	0.872	ug/l	99
49) Toluene	7.965	92	13799	0.941	ug/l	96
50) t-1,3-Dichloropropene	8.210	75	6361	0.849	ug/l	94
51) cis-1,3-Dichloropropene	7.608	75	8583	0.942	ug/l	93
52) 1,1,2-Trichloroethane	8.399	97	4563	0.980	ug/l	90
53) 1,3-Dichloropropane	8.573	76	7044	0.898	ug/l	94
54) 2-Hexanone	8.689	43	10545	4.141	ug/l	100
55) Dibromochloromethane	8.808	129	4747	0.853	ug/l	97
56) 1,2-Dibromoethane	8.920	107	3735	0.917	ug/l	89
58) Tetrachloroethene	8.550	164	5093	0.941	ug/l	94
59) Chlorobenzene	9.448	112	15820	0.905	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.534	131	5852	0.948	ug/l	95
61) Pentachloroethane	11.425	117	4230	0.871	ug/l	99
62) Hexachloroethane	12.473	117	4516	0.905	ug/l	99
63) Ethyl Benzene	9.566	91	27182	0.912	ug/l	93
64) m/p-Xylenes	9.692	106	19510	1.732	ug/l	93
65) o-Xylene	10.100	106	10599	0.934	ug/l	91
66) Styrene	10.113	104	14950	0.820	ug/l	97
67) Bromoform	10.290	173	2731	0.911	ug/l #	92
69) Isopropylbenzene	10.480	105	27079	0.879	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.775	83	4936	0.850	ug/l #	92
71) 1,2,3-Trichloropropane	10.824	75	3559m	0.870	ug/l	
72) Bromobenzene	10.782	156	6099	0.859	ug/l	87
73) n-propylbenzene	10.904	120	7845	0.948	ug/l	98
74) 2-Chlorotoluene	10.981	126	6136	0.852	ug/l	96
75) 1,3,5-Trimethylbenzene	11.087	105	20754	0.827	ug/l	99
76) 4-Chlorotoluene	11.097	126	6540	0.883	ug/l	99
77) tert-Butylbenzene	11.415	119	21742	0.842	ug/l	96
78) 1,2,4-Trimethylbenzene	11.467	105	20927	0.830	ug/l	95
79) sec-Butylbenzene	11.640	105	28441	0.849	ug/l	97
80) Nitrobenzene	13.222	77	565m	3.356	ug/l	
81) p-Isopropyltoluene	11.791	119	22212	0.814	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	13731	0.966	ug/l	92
83) 1,4-Dichlorobenzene	11.836	146	13280	0.931	ug/l	99
84) n-Butylbenzene	12.206	91	19053	0.759	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	12519	0.924	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.994	75	632	0.830	ug/l #	68
87) 1,2,4-Trichlorobenzene	13.840	180	7039	0.811	ug/l	95
88) Hexachlorobutadiene	14.016	225	3989	0.860	ug/l	97
89) Naphthalene	14.087	128	10515	0.749	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	5914	0.788	ug/l	99

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1499
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

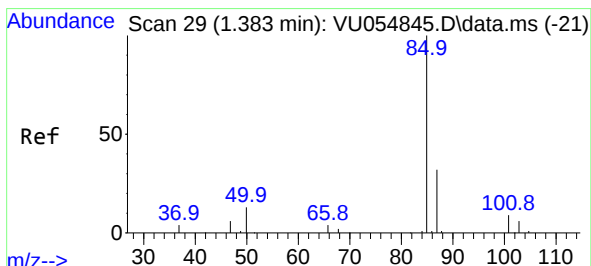
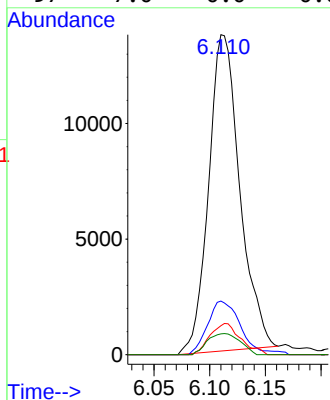
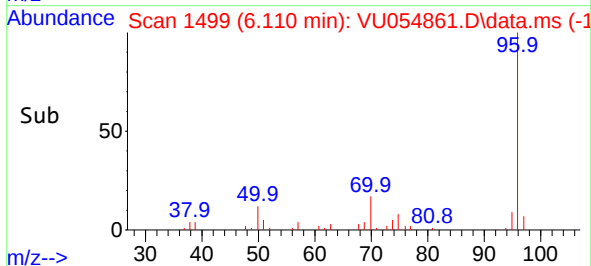
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 96 Resp: 26610
Ion Ratio Lower Upper
96 100
70 18.1 14.0 21.0
95 9.8 8.7 13.1
97 7.0 0.0 0.0#

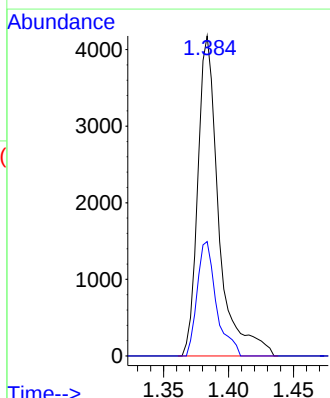
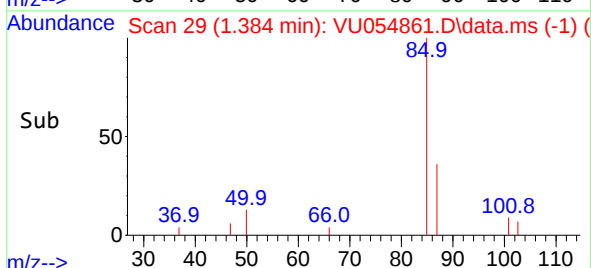
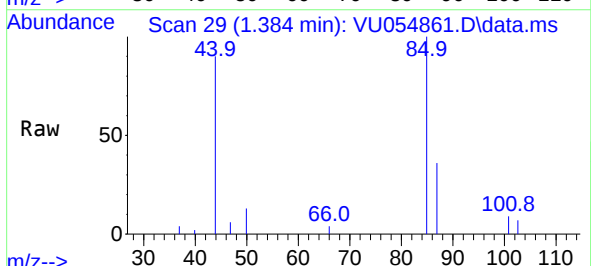
Manual Integrations
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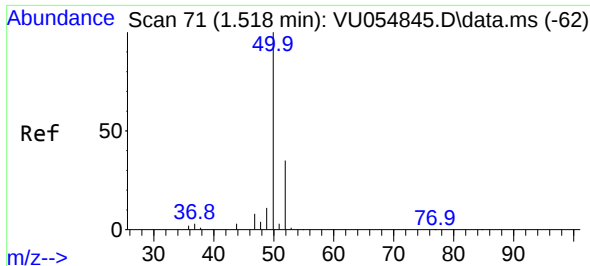
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#2
Dichlorodifluoromethane
Concen: 0.889 ug/l
RT: 1.384 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

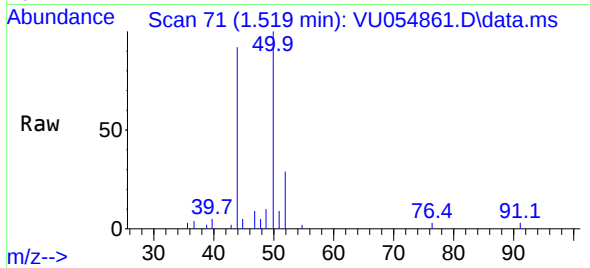
Tgt Ion: 85 Resp: 4706
Ion Ratio Lower Upper
85 100
87 35.8 16.2 48.6





#3
Chloromethane
Concen: 0.922 ug/l
RT: 1.519 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

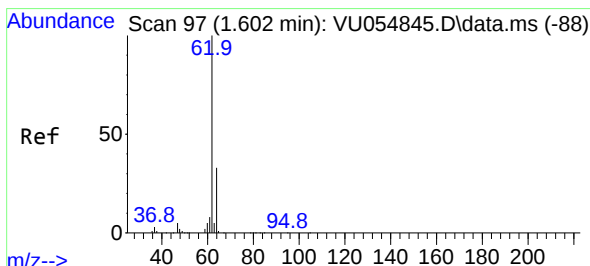
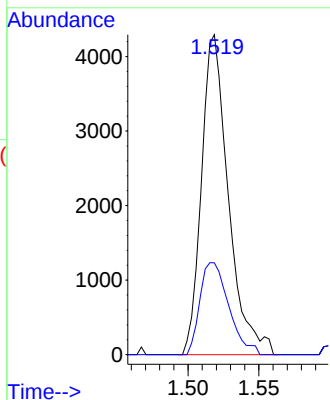
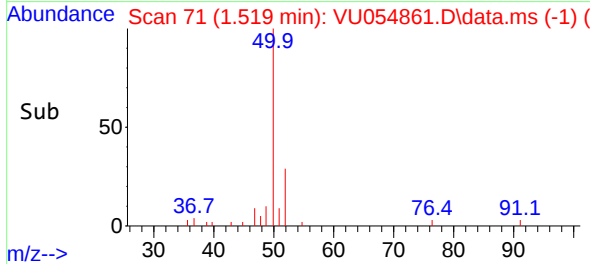
Instrument :
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ClientSampleId :
RL-CHECK



Tgt Ion: 50 Resp: 5670
Ion Ratio Lower Upper
50 100
52 28.7 28.2 42.2

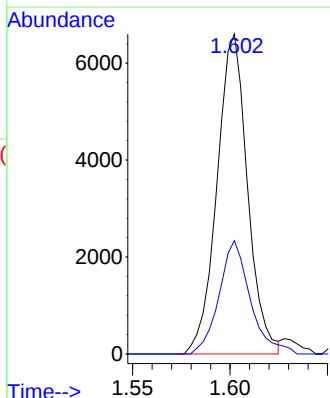
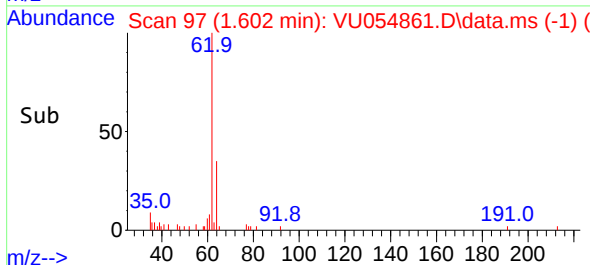
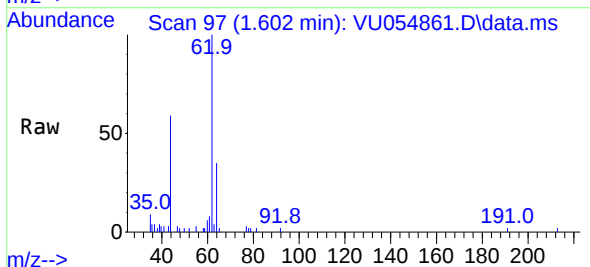
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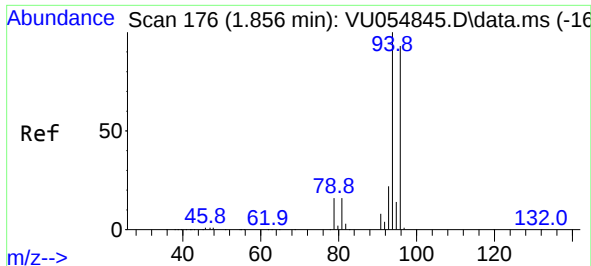
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#4
Vinyl Chloride
Concen: 0.910 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

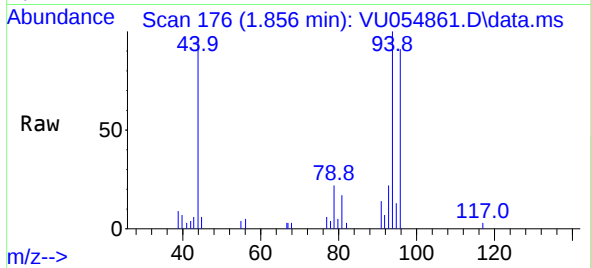
Tgt Ion: 62 Resp: 7187
Ion Ratio Lower Upper
62 100
64 35.4 26.4 39.6





#5
Bromomethane
Concen: 0.972 ug/l
RT: 1.856 min Scan# 176
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

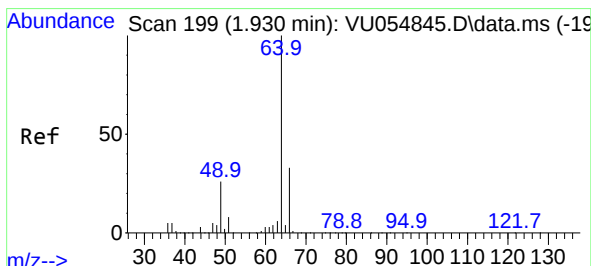
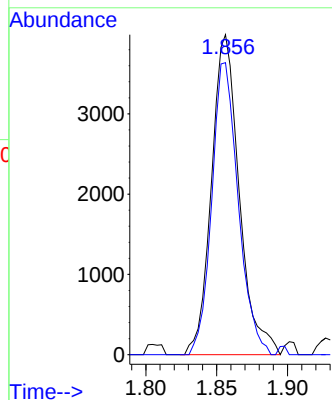
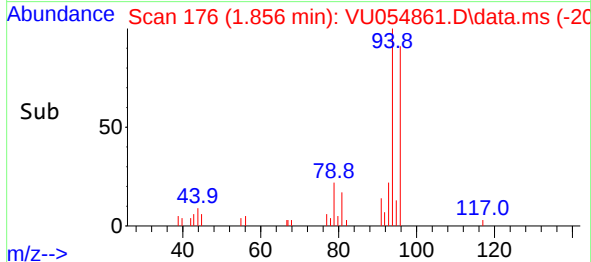
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 94 Resp: 5440
Ion Ratio Lower Upper
94 100
96 91.3 74.6 111.8

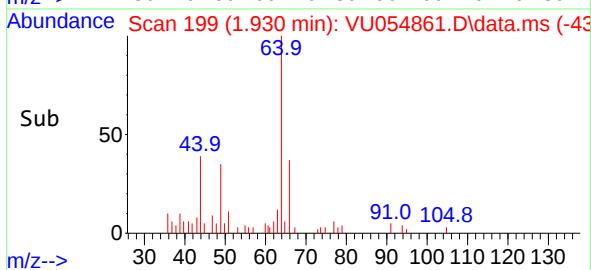
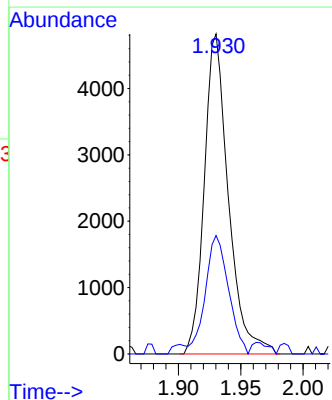
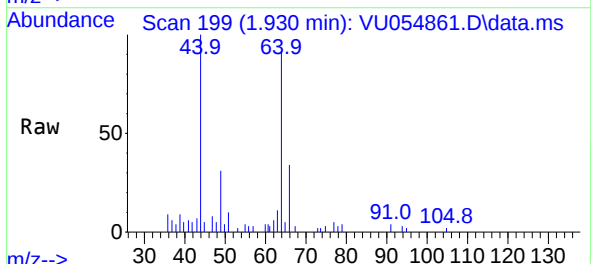
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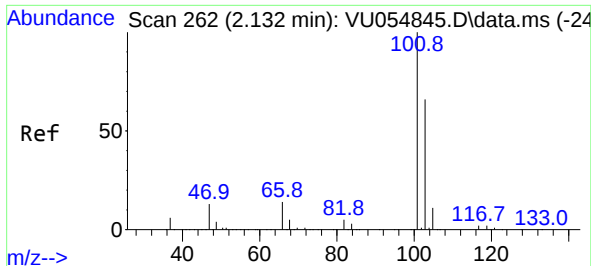
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#6
Chloroethane
Concen: 0.871 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

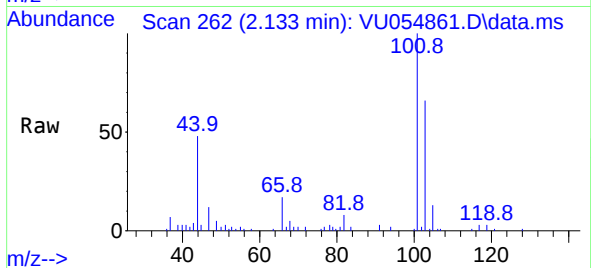
Tgt Ion: 64 Resp: 6495
Ion Ratio Lower Upper
64 100
66 34.2 26.2 39.4





#7
 Trichlorofluoromethane
 Concen: 0.886 ug/l
 RT: 2.133 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU054861.D
 Acq: 24 Jul 2023 15:53

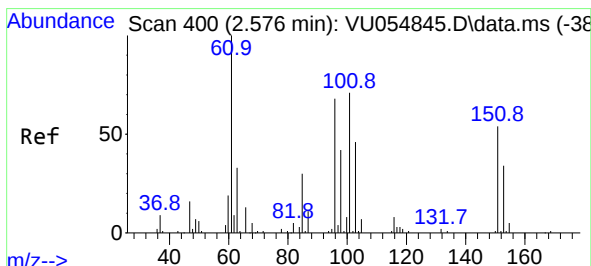
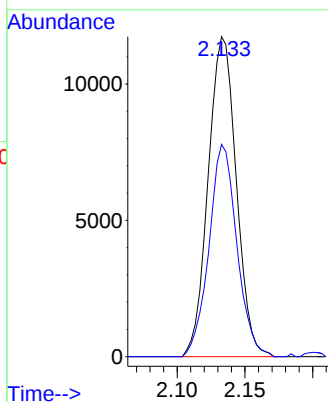
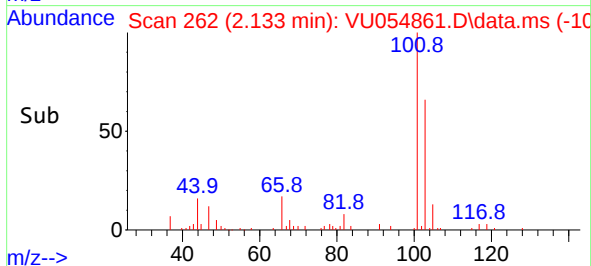
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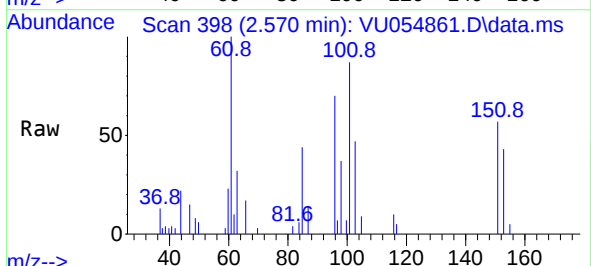
Tgt Ion:101 Resp: 16950
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.9 79.3

Manual Integrations
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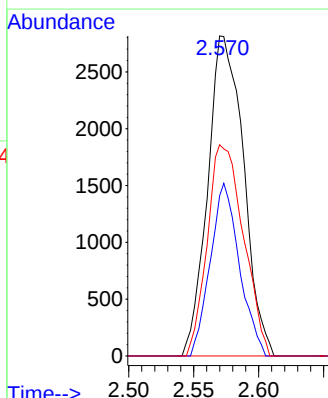
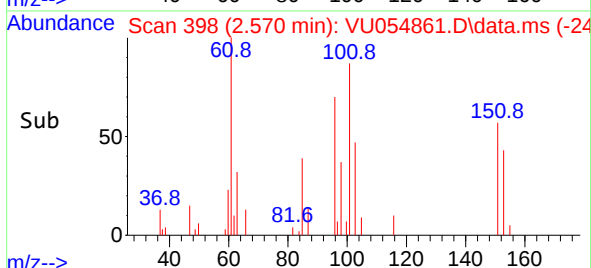
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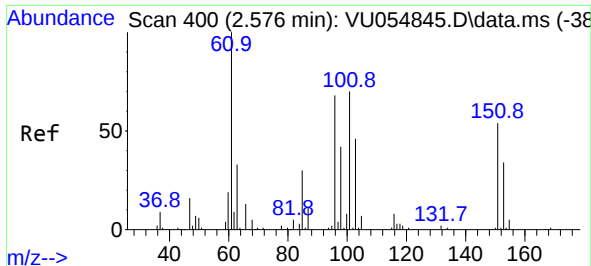


#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.985 ug/l
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU054861.D
 Acq: 24 Jul 2023 15:53



Tgt Ion:101 Resp: 5400
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.8 52.2
 151 66.6 60.5 90.7





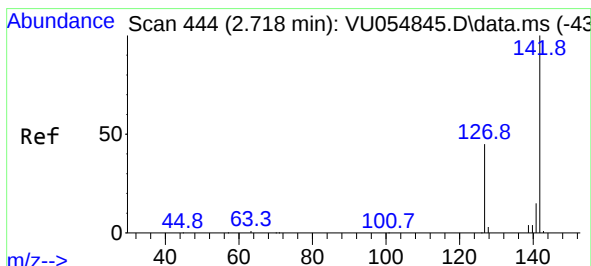
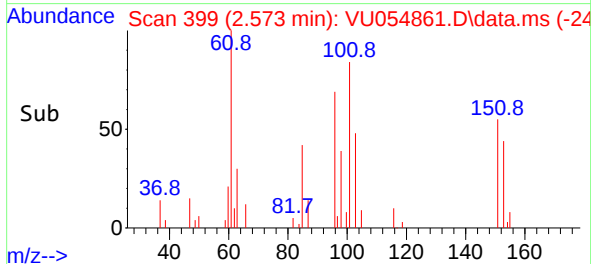
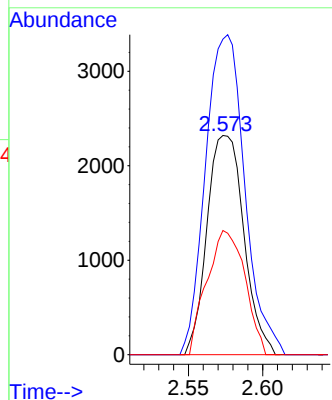
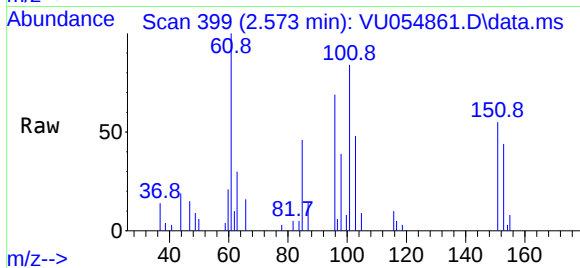
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1,1-Dichloroethene
Concen: 0.875 ug/l
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 96 Resp: 400
Ion Ratio Lower Upper
96 100
61 132.4 0.0 440.1
98 52.1 0.0 121.8

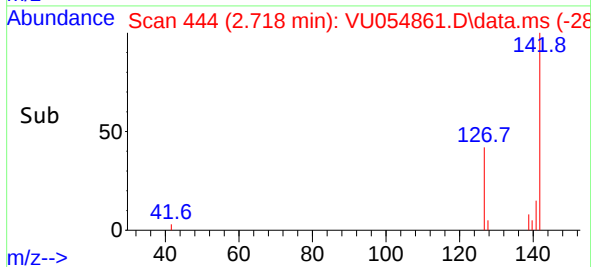
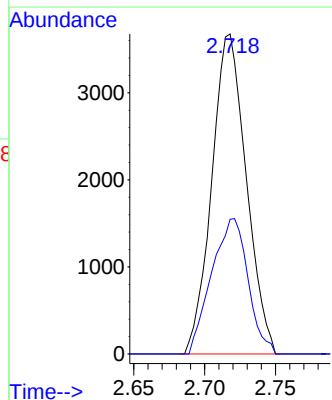
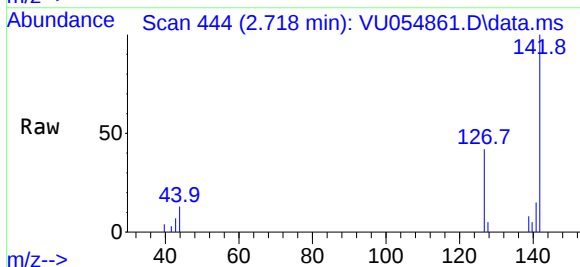
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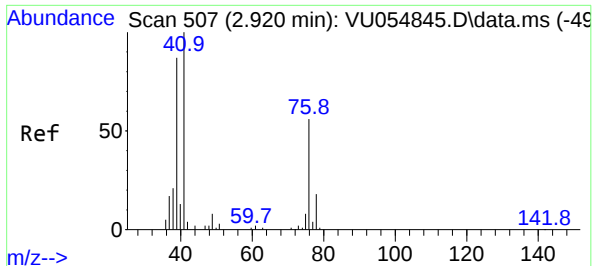
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#10
Iodomethane
Concen: 0.844 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion:142 Resp: 6225
Ion Ratio Lower Upper
142 100
127 44.6 34.3 51.5





#11

Allyl Chloride

Concen: 0.925 ug/l

RT: 2.924 min Scan# 507

Delta R.T. 0.003 min

Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 41 Resp: 496

Ion Ratio Lower Upper

41 100

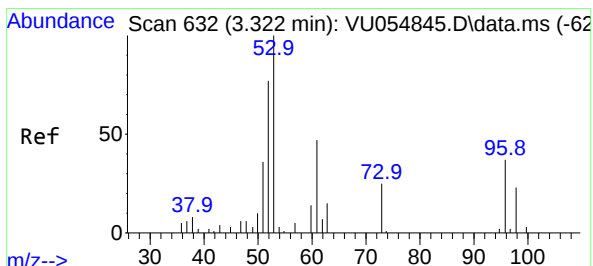
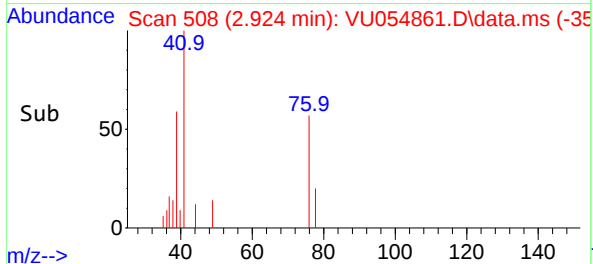
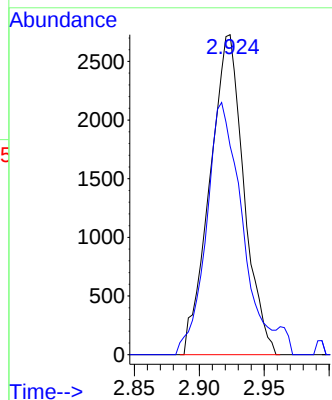
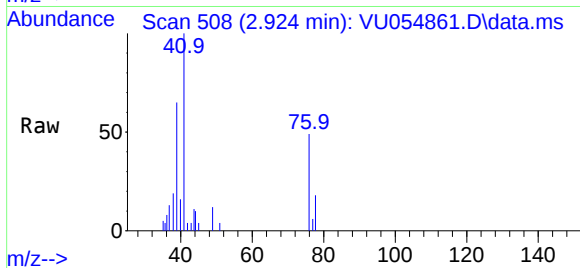
39 81.8 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#12

Acrylonitrile

Concen: 1.671 ug/l m

RT: 3.332 min Scan# 635

Delta R.T. 0.010 min

Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

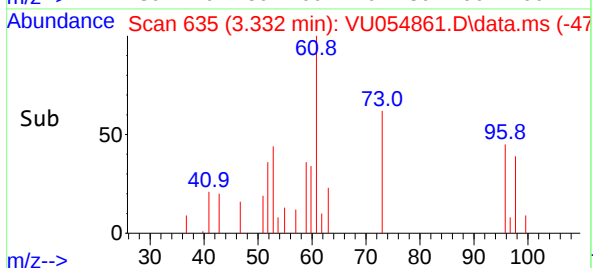
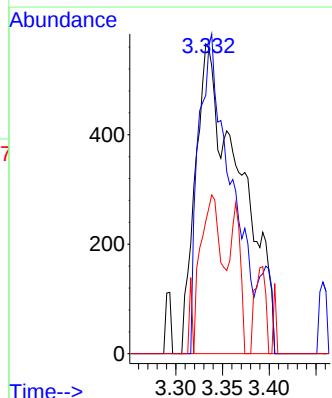
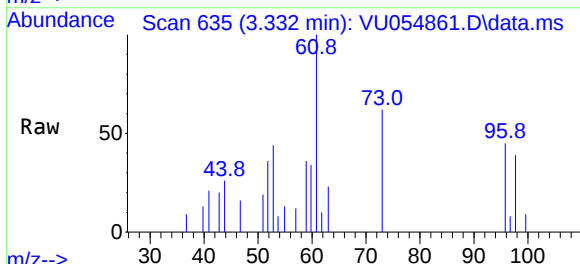
Tgt Ion: 53 Resp: 1861

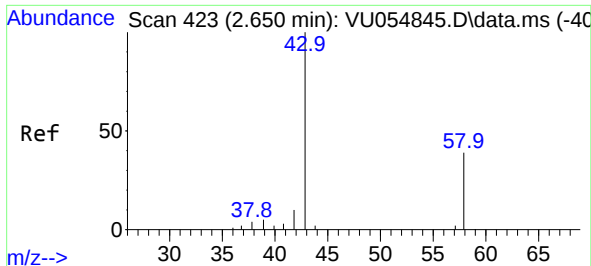
Ion Ratio Lower Upper

53 100

52 75.1 64.2 96.4

51 25.7 33.6 50.4#





#13

Acetone

Concen: 4.050 ug/l

RT: 2.654 min Scan# 41

Delta R.T. 0.004 min

Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 43 Resp: 386

Ion Ratio Lower Upper

43 100

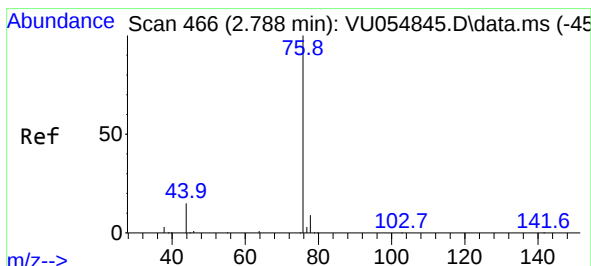
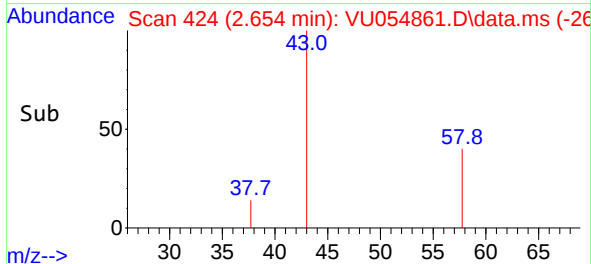
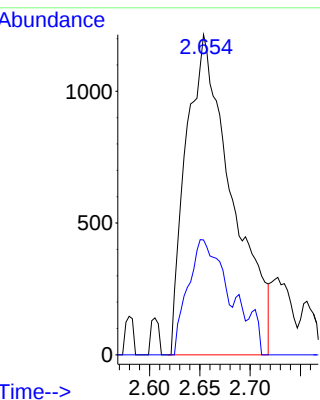
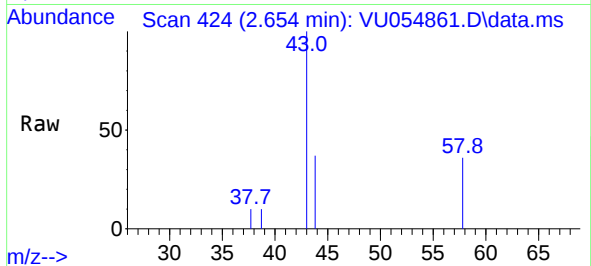
58 35.9 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#14

Carbon Disulfide

Concen: 0.875 ug/l

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU054861.D

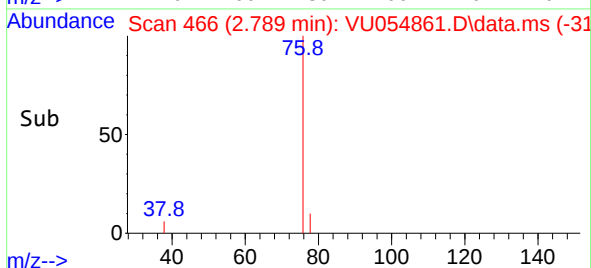
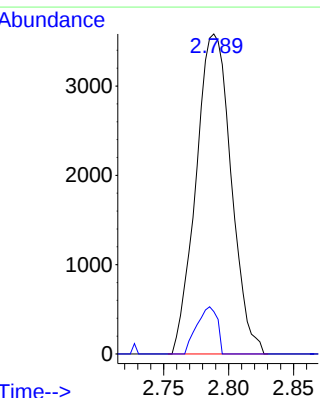
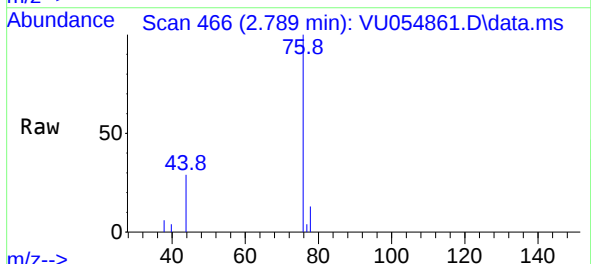
Acq: 24 Jul 2023 15:53

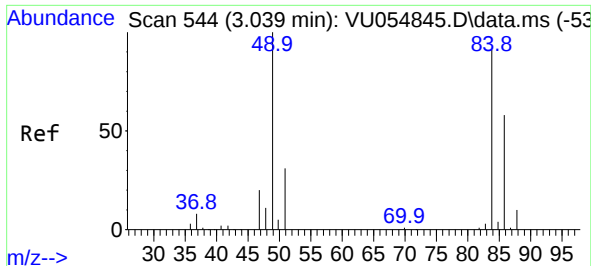
Tgt Ion: 76 Resp: 6754

Ion Ratio Lower Upper

76 100

78 13.3 7.1 10.7#





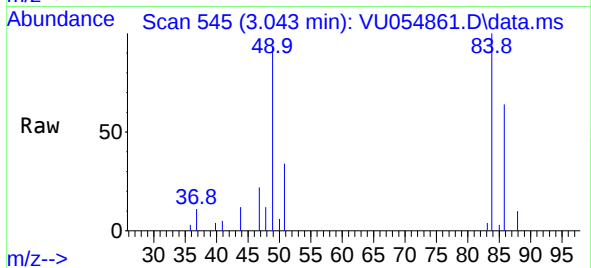
#15
Methylene Chloride
Concen: 0.773 ug/l
RT: 3.043 min Scan# 544
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

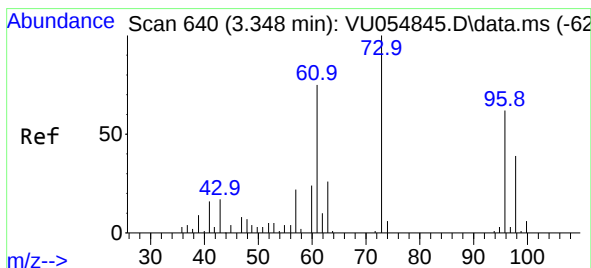
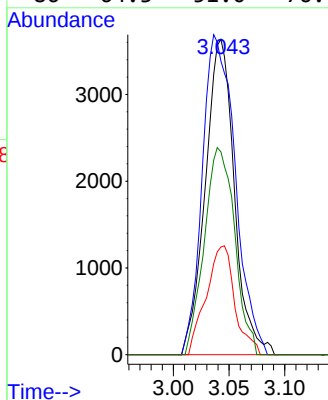
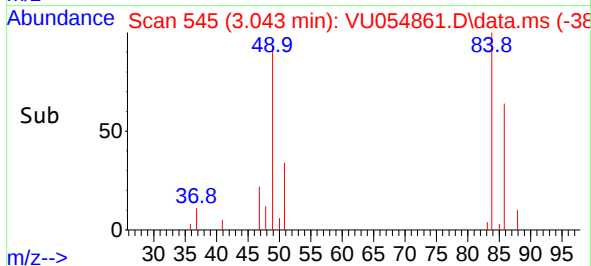


Tgt Ion: 84 Resp: 660
Ion Ratio Lower Upper
84 100
49 93.1 87.8 131.6
51 34.1 0.0 68.2
86 64.3 51.0 76.4

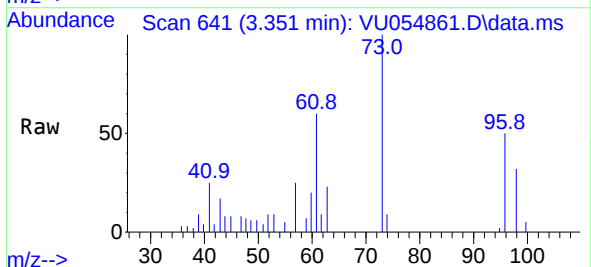
Manual Integrations

APPROVED

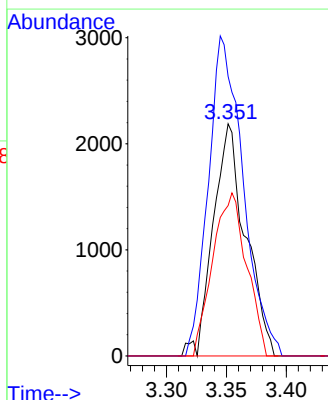
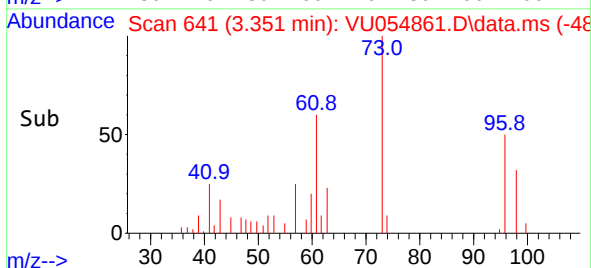
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

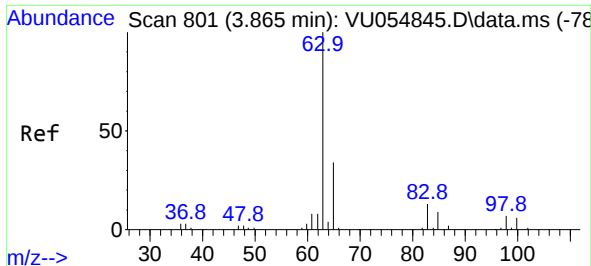


#16
trans-1,2-Dichloroethene
Concen: 0.809 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



Tgt Ion: 96 Resp: 4115
Ion Ratio Lower Upper
96 100
61 138.9 96.4 144.6
98 64.8 49.3 73.9





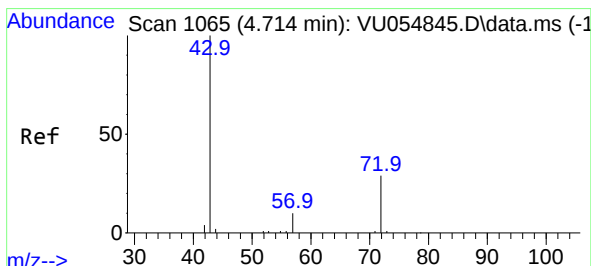
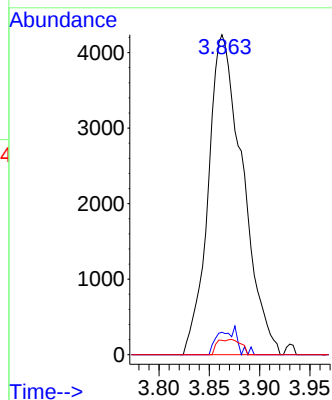
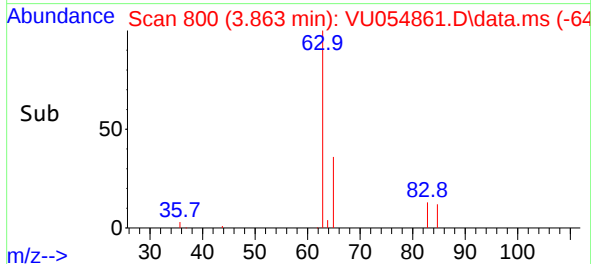
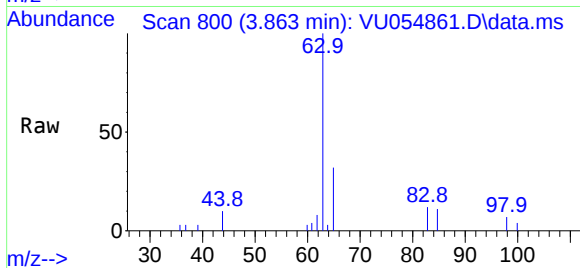
#17
1,1-Dichloroethane
Concen: 0.941 ug/l
RT: 3.863 min Scan# 801
Delta R.T. -0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 63 Resp: 1013
Ion Ratio Lower Upper
63 100
98 7.0 3.6 10.8
100 4.5 2.8 8.4

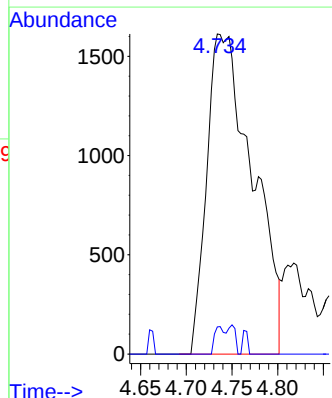
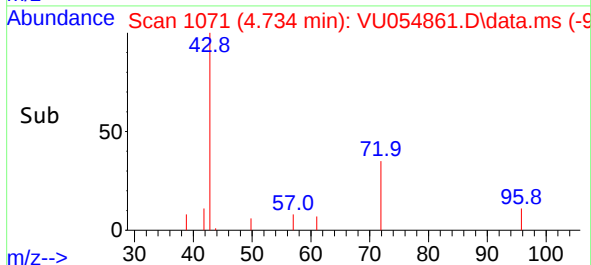
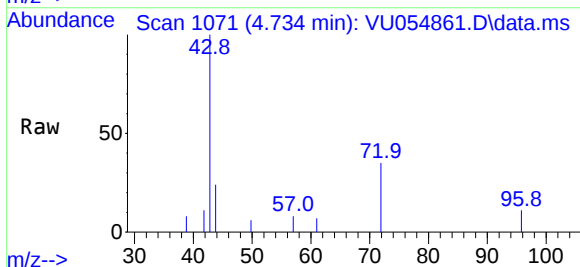
Manual Integrations
APPROVED

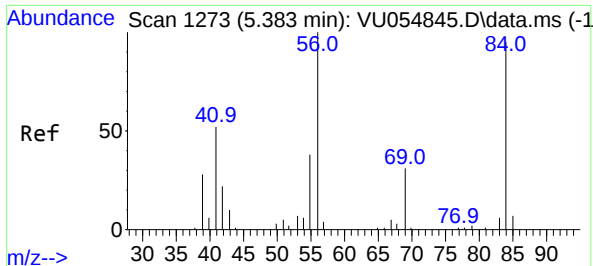
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
2-Butanone
Concen: 4.020 ug/l m
RT: 4.734 min Scan# 1071
Delta R.T. 0.020 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

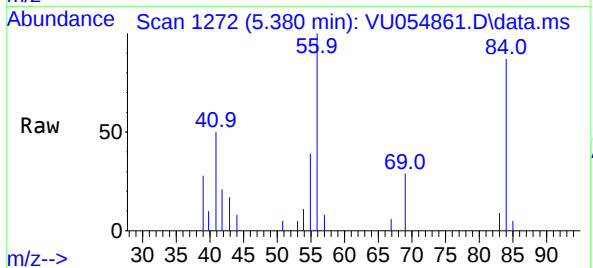
Tgt Ion: 43 Resp: 5616
Ion Ratio Lower Upper
43 100
57 8.5 0.0 20.8





#19
Cyclohexane
Concen: 0.956 ug/l
RT: 5.380 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

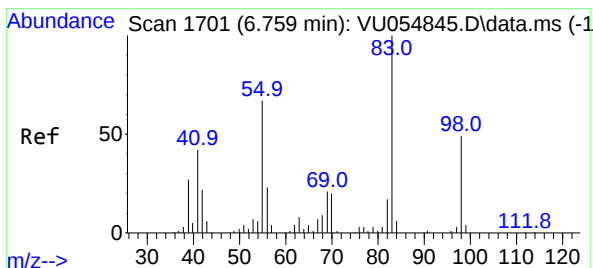
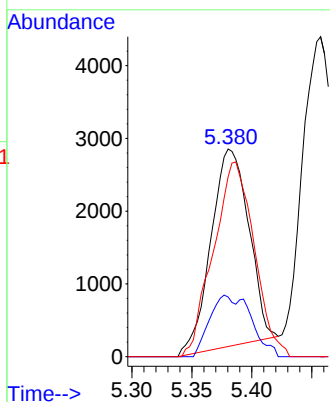
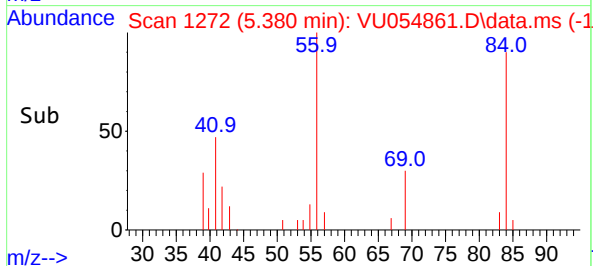
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 56 Resp: 595
Ion Ratio Lower Upper
56 100
69 20.9 24.7 37.1
84 106.1 76.5 114.7

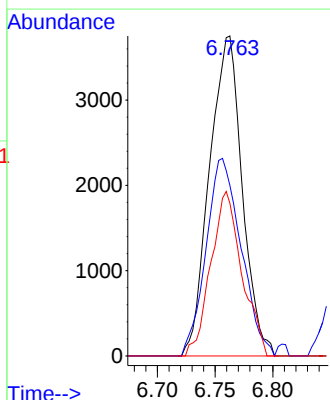
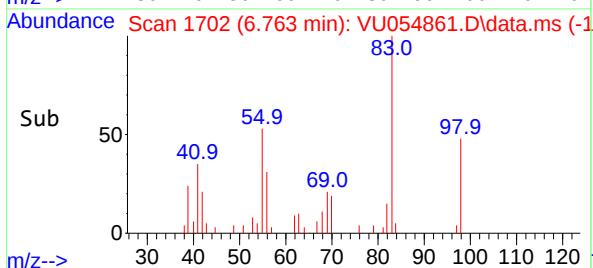
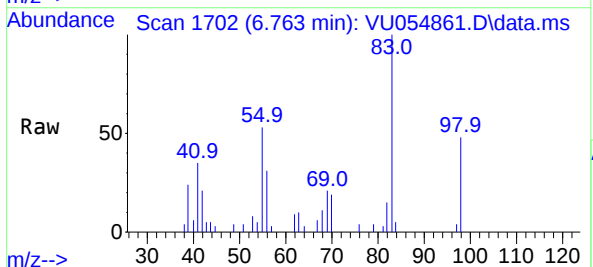
Manual Integrations
APPROVED

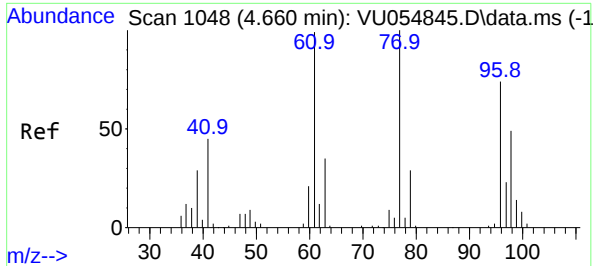
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#20
Methylcyclohexane
Concen: 0.894 ug/l
RT: 6.763 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion: 83 Resp: 7404
Ion Ratio Lower Upper
83 100
55 66.0 51.6 77.4
98 48.7 38.2 57.2





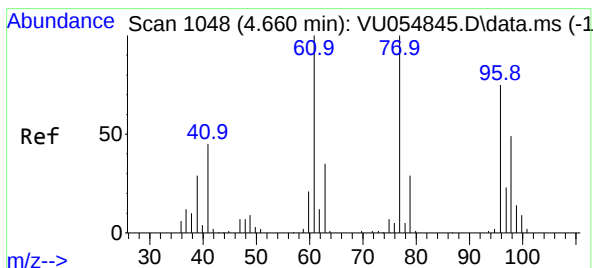
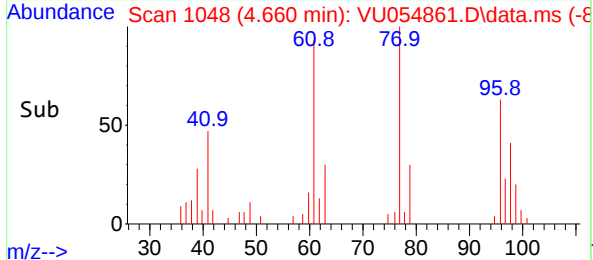
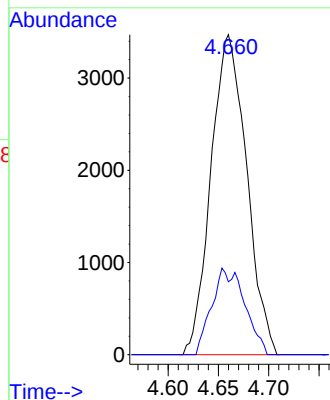
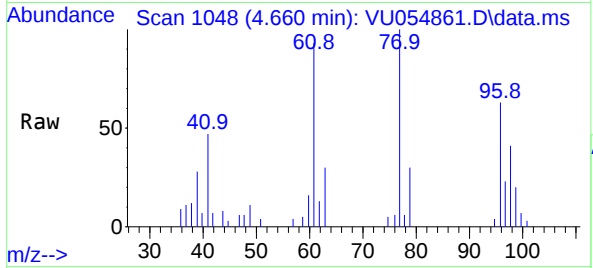
#21
2,2-Dichloropropane
Concen: 0.911 ug/l
RT: 4.660 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 77 Resp: 8560
Ion Ratio Lower Upper
77 100
97 13.1 18.0 27.0

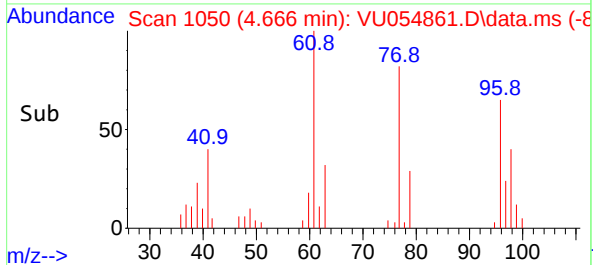
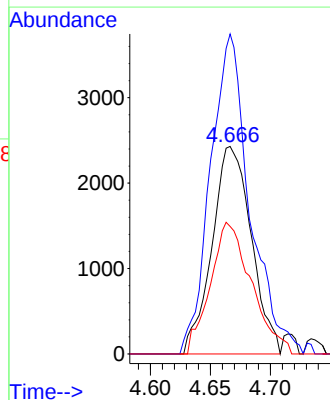
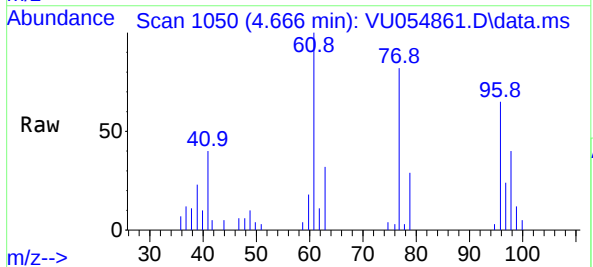
Manual Integrations
APPROVED

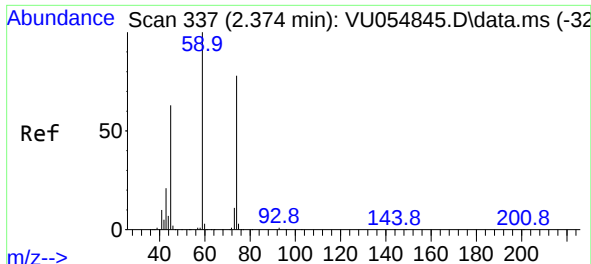
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#22
cis-1,2-Dichloroethene
Concen: 0.859 ug/l
RT: 4.666 min Scan# 1050
Delta R.T. 0.007 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

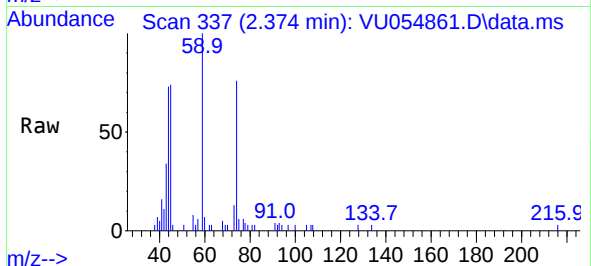
Tgt Ion: 96 Resp: 5536
Ion Ratio Lower Upper
96 100
61 154.3 0.0 332.0
98 66.4 32.5 97.5





#23
Diethyl Ether
Concen: 0.914 ug/l
RT: 2.374 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

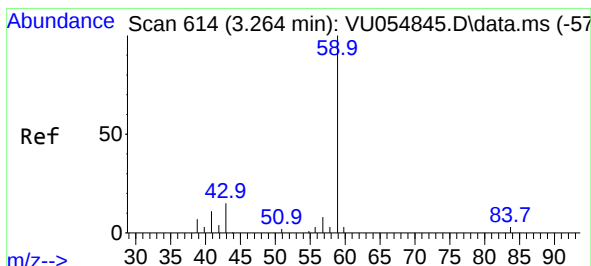
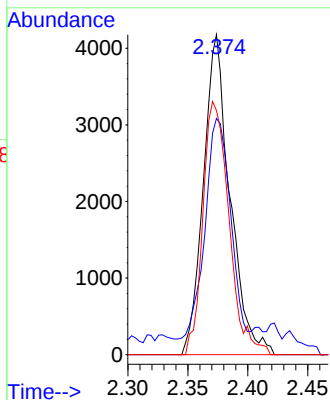
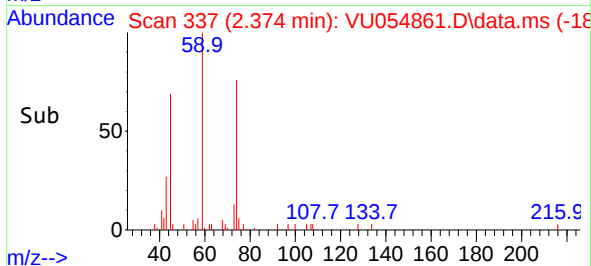
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 59 Resp: 6428
Ion Ratio Lower Upper
59 100
45 65.6 51.4 77.0
74 77.8 63.1 94.7

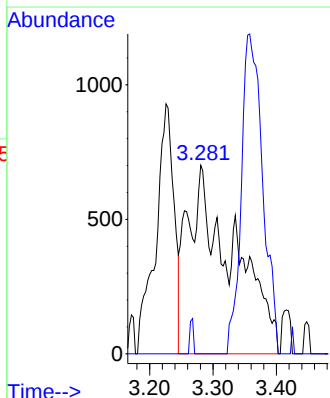
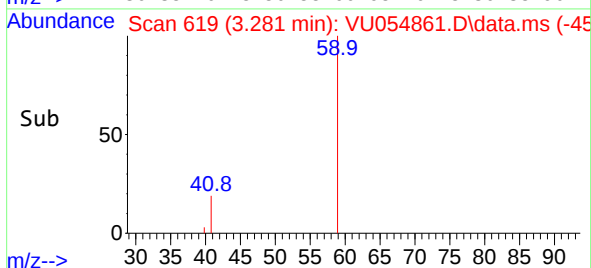
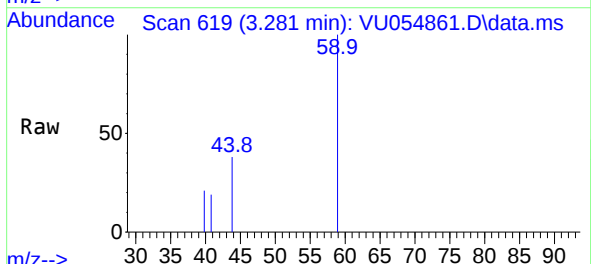
Manual Integrations
APPROVED

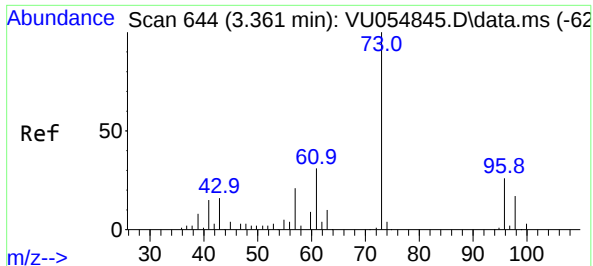
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#24
tert-Butyl Alcohol
Concen: 5.723 ug/l m
RT: 3.281 min Scan# 619
Delta R.T. 0.017 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion: 59 Resp: 3468
Ion Ratio Lower Upper
59 100
57 0.0 2.2 3.2#





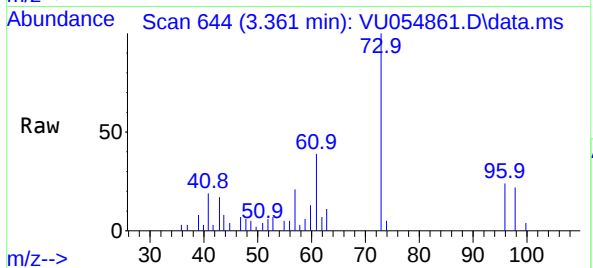
#25
Methyl tert-Butyl Ether
Concen: 0.922 ug/l
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

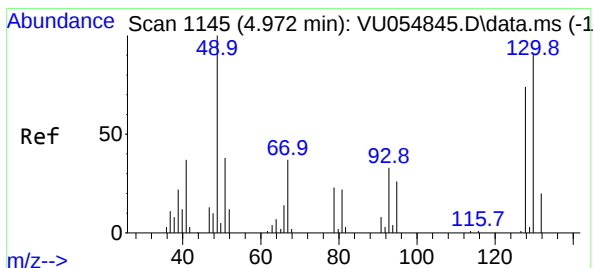
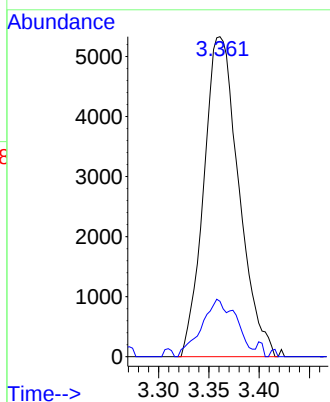
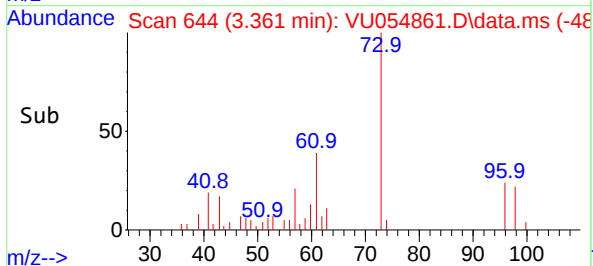


Tgt Ion: 73 Resp: 1288
Ion Ratio Lower Upper
73 100
43 17.8 14.6 22.0

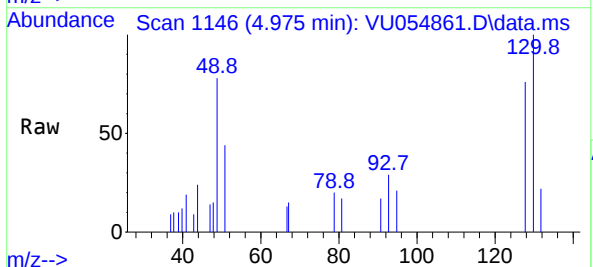
Manual Integrations

APPROVED

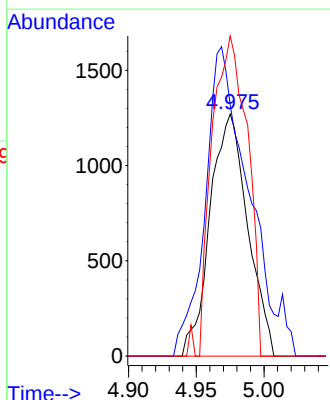
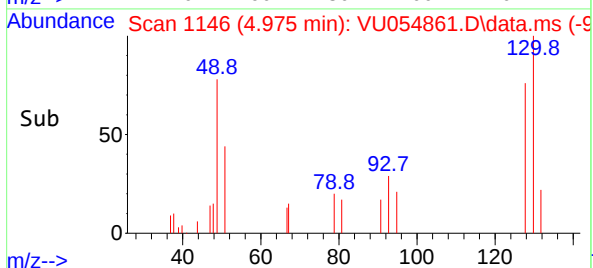
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

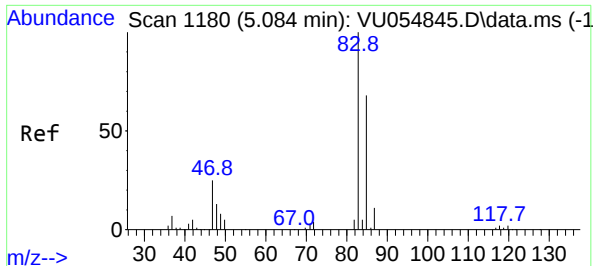


#26
Bromochloromethane
Concen: 0.998 ug/l
RT: 4.975 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



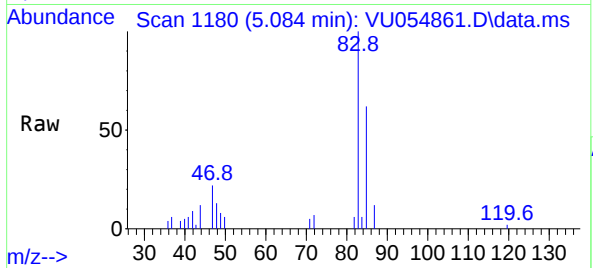
Tgt Ion:128 Resp: 2451
Ion Ratio Lower Upper
128 100
49 147.9 0.0 304.0
130 125.6 104.3 156.5





#27
Chloroform
Concen: 0.920 ug/l
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

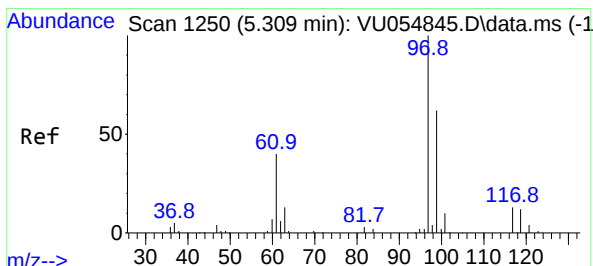
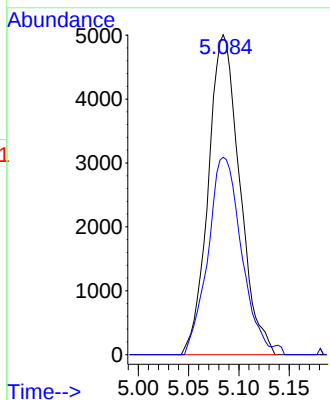
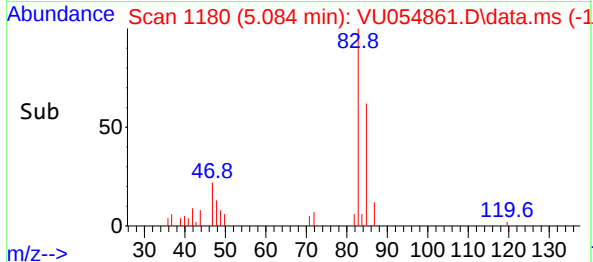
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 83 Resp: 1088
Ion Ratio Lower Upper
83 100
85 58.2 0.0 135.2

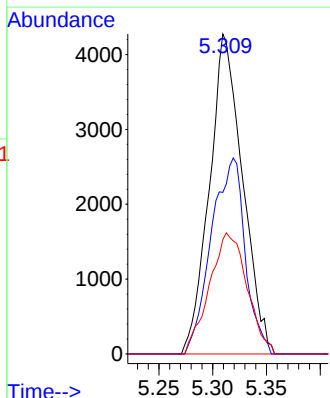
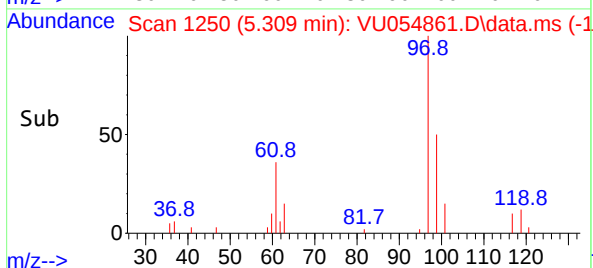
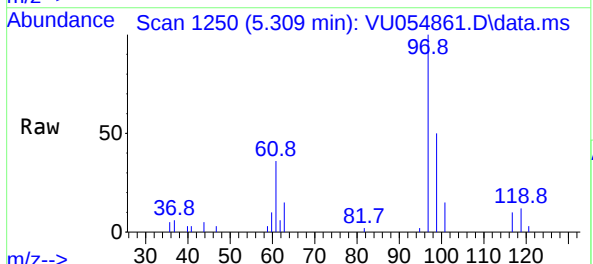
Manual Integrations
APPROVED

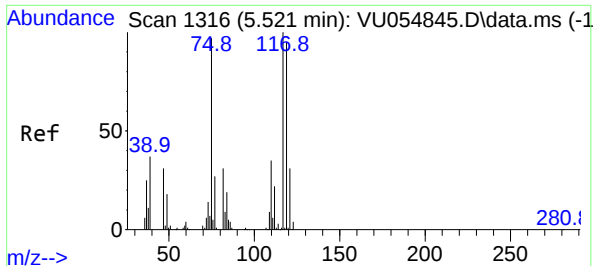
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#28
1,1,1-Trichloroethane
Concen: 0.922 ug/l
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion: 97 Resp: 9167
Ion Ratio Lower Upper
97 100
99 62.5 32.0 96.2
61 42.9 21.0 63.0





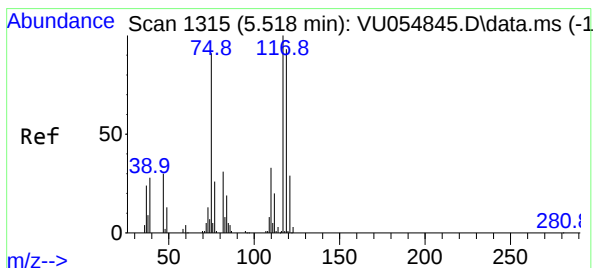
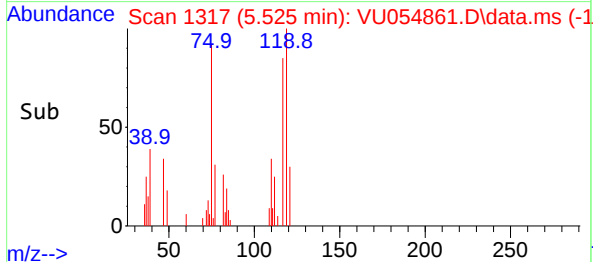
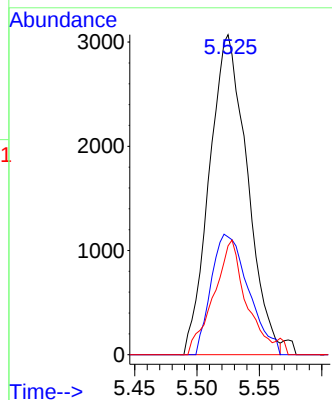
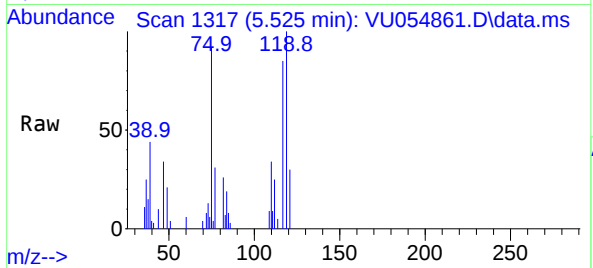
#29
1,1-Dichloropropene
Concen: 0.916 ug/l
RT: 5.525 min Scan# 1316
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 75 Resp: 648
Ion Ratio Lower Upper
75 100
110 37.2 18.5 55.5
77 30.6 24.9 37.3

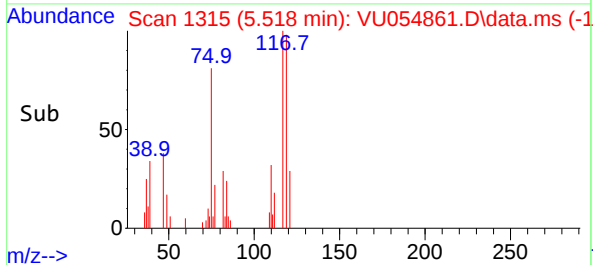
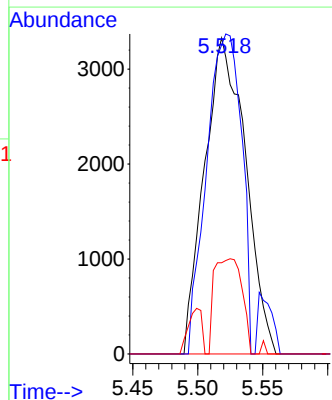
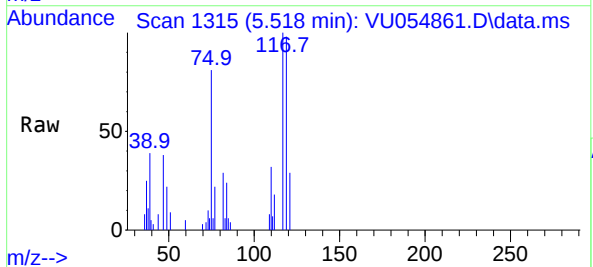
Manual Integrations
APPROVED

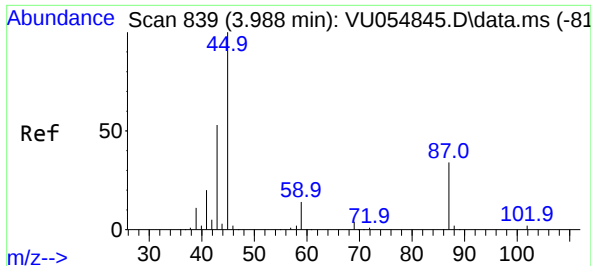
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#30
Carbon Tetrachloride
Concen: 0.884 ug/l
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

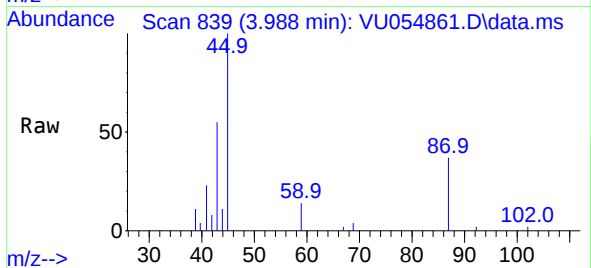
Tgt Ion:117 Resp: 7303
Ion Ratio Lower Upper
117 100
119 97.8 75.6 113.4
121 28.9 23.4 35.0





#31
Isopropyl Ether
Concen: 0.966 ug/l
RT: 3.988 min Scan# 839
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

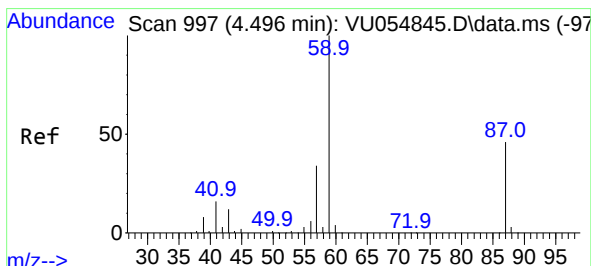
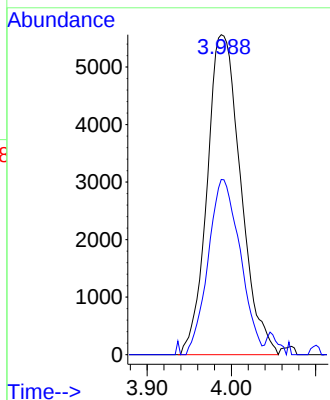
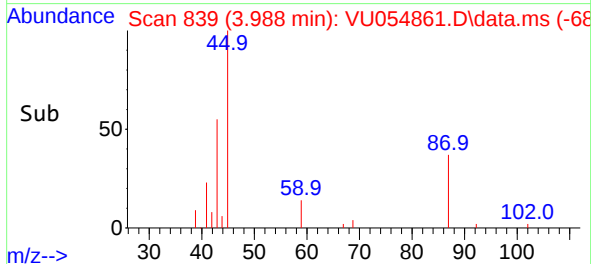
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



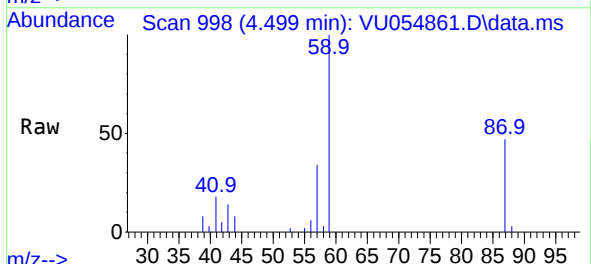
Tgt Ion: 45 Resp: 15398
Ion Ratio Lower Upper
45 100
43 52.2 26.4 79.2

Manual Integrations
APPROVED

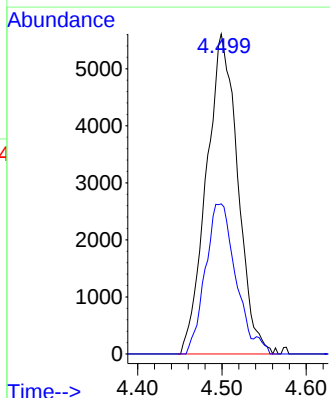
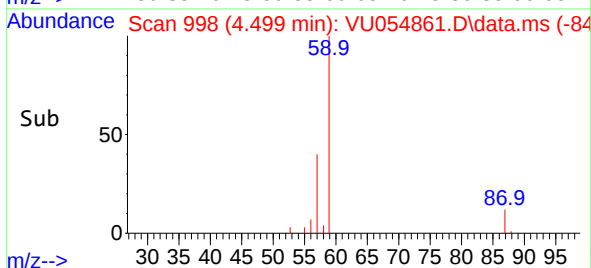
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

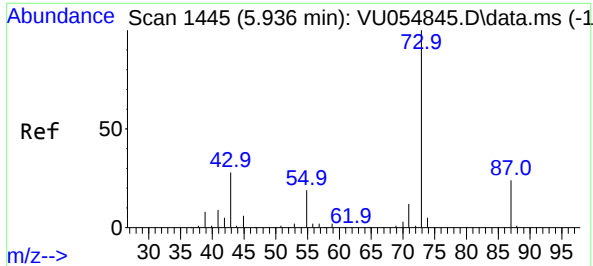


#32
Ethyl-t-butyl ether
Concen: 0.885 ug/l
RT: 4.499 min Scan# 998
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



Tgt Ion: 59 Resp: 14494
Ion Ratio Lower Upper
59 100
87 40.1 35.7 53.5





#33
Tert-Amyl methyl ether
Concen: 0.921 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

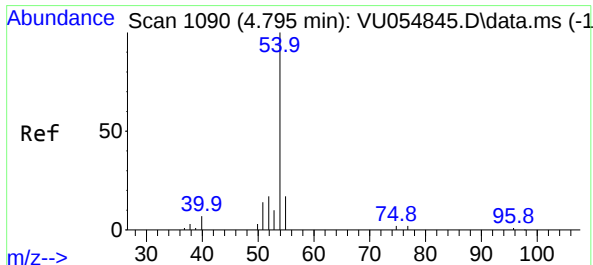
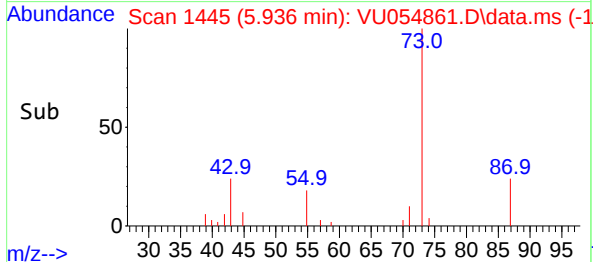
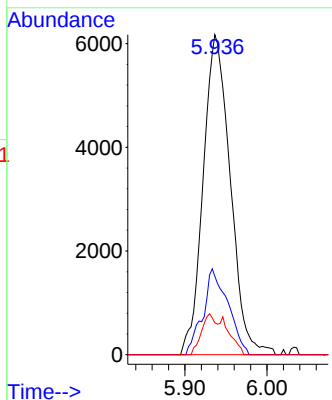
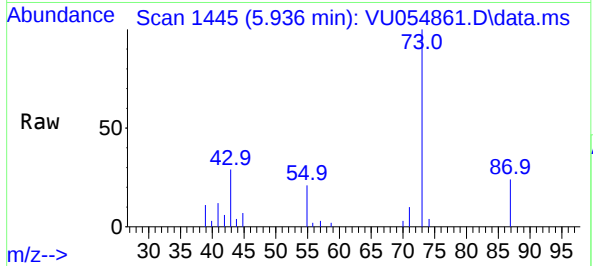
Tgt Ion: 73 Resp: 14194
Ion Ratio Lower Upper
73 100
87 24.7 19.6 29.4
71 6.9 9.1 13.7

Manual Integrations

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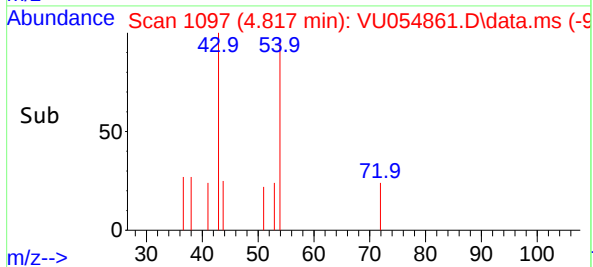
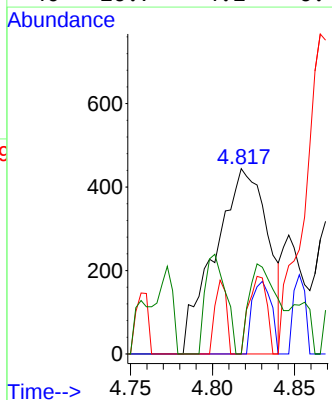
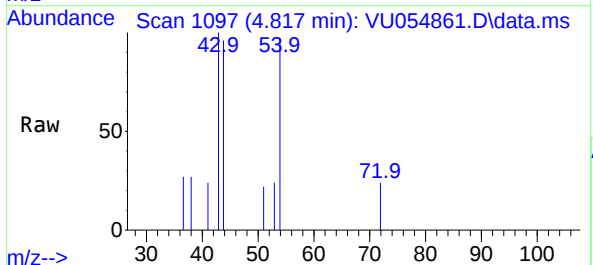
Reviewed By :John Carlone 07/25/2023

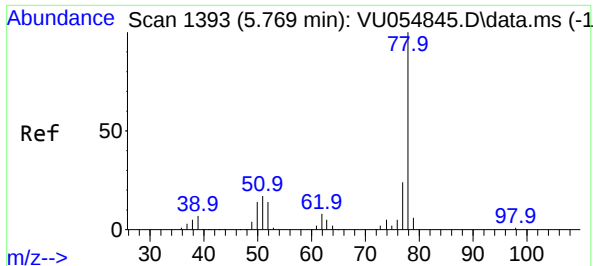
Supervised By :Mahesh Dadoda 07/31/2023



#34
Propionitrile
Concen: 2.388 ug/l
RT: 4.817 min Scan# 1097
Delta R.T. 0.022 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion: 54 Resp: 998
Ion Ratio Lower Upper
54 100
52 13.9 13.8 20.8
55 14.1 4.8 7.2#
40 26.7 4.2 6.4#





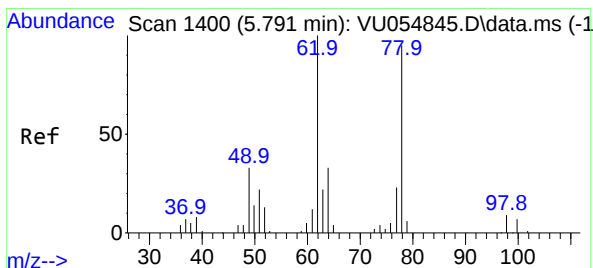
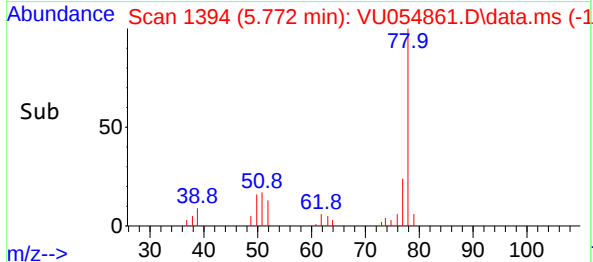
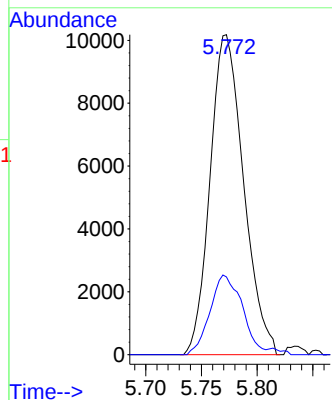
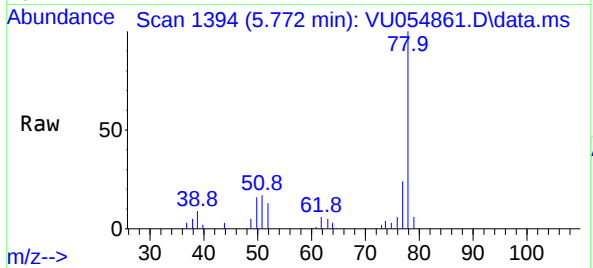
#35
Benzene
Concen: 0.928 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 78 Resp: 21319
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.2

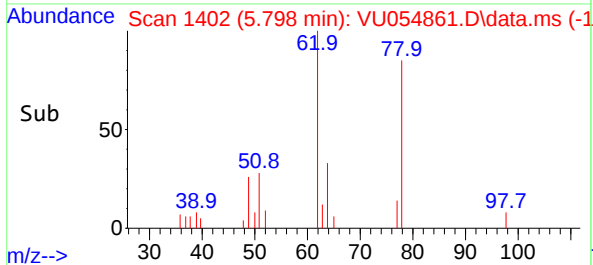
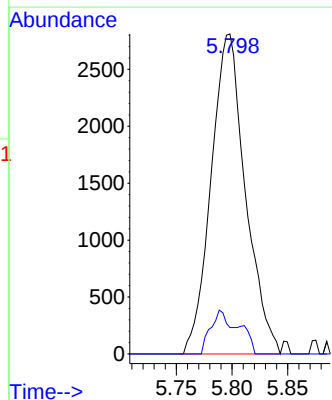
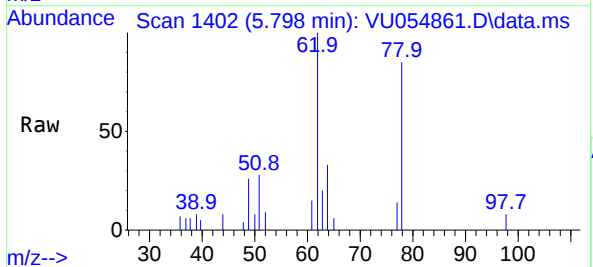
Manual Integrations
APPROVED

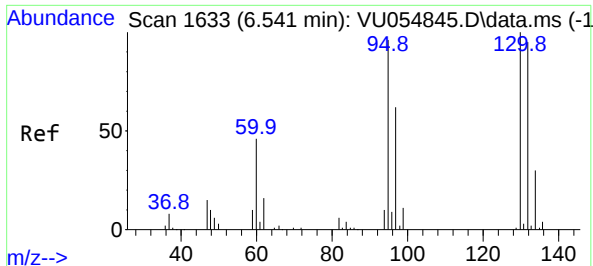
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#36
1,2-Dichloroethane
Concen: 0.913 ug/l
RT: 5.798 min Scan# 1402
Delta R.T. 0.007 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

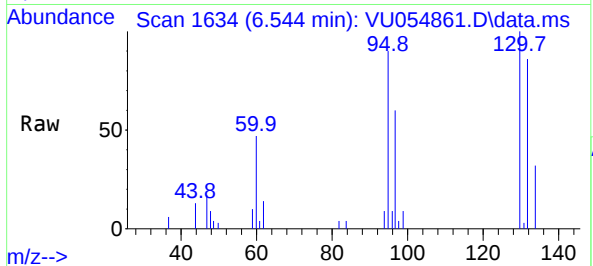
Tgt Ion: 62 Resp: 6026
Ion Ratio Lower Upper
62 100
98 7.6 7.8 11.8#





#37
Trichloroethene
Concen: 0.957 ug/l
RT: 6.544 min Scan# 1710
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

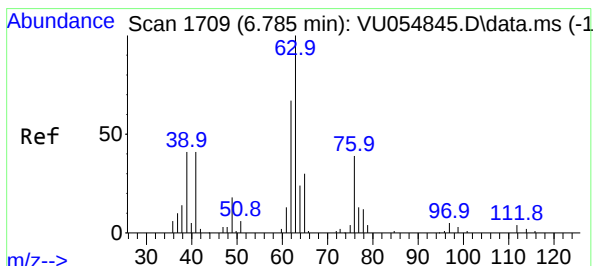
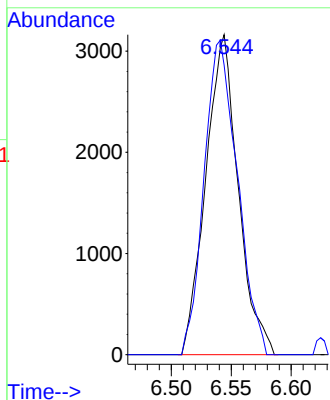
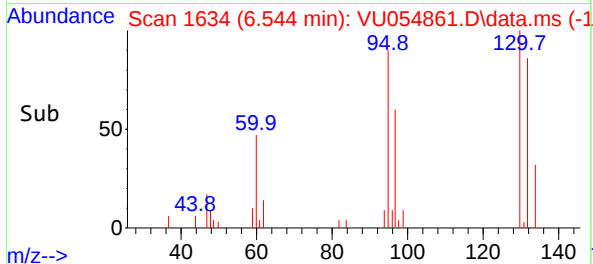
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:130 Resp: 594
Ion Ratio Lower Upper
130 100
95 90.5 76.8 115.2

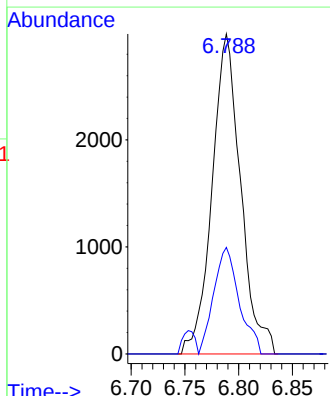
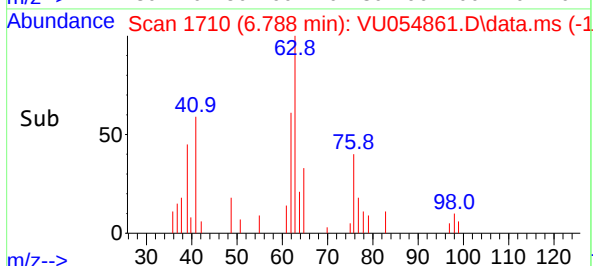
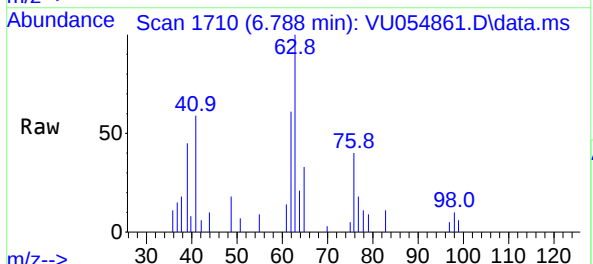
Manual Integrations
APPROVED

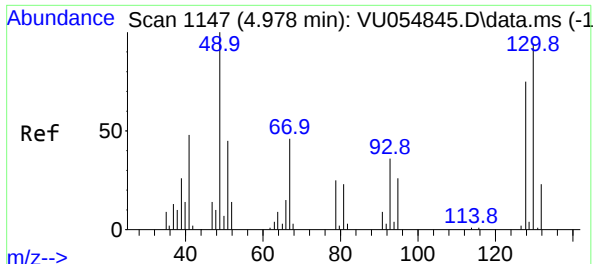
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#38
1,2-Dichloropropane
Concen: 0.831 ug/l
RT: 6.788 min Scan# 1710
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

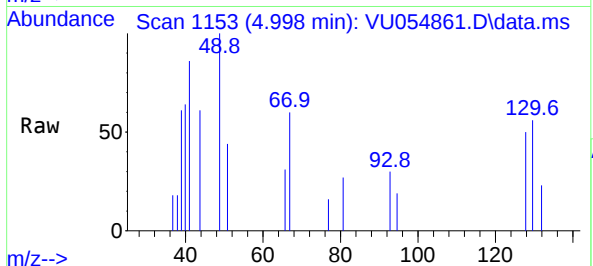
Tgt Ion: 63 Resp: 5514
Ion Ratio Lower Upper
63 100
65 33.3 24.3 36.5





#39
Methacrylonitrile
Concen: 1.043 ug/l m
RT: 4.998 min Scan# 1153
Delta R.T. 0.020 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

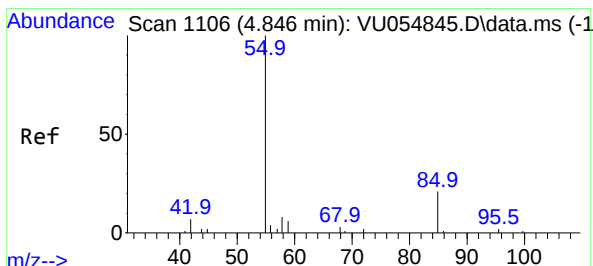
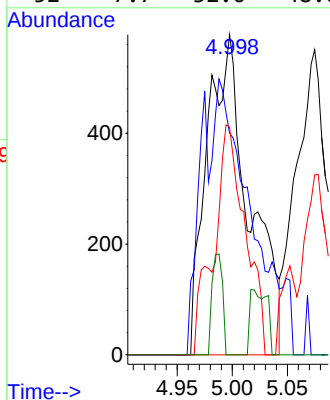
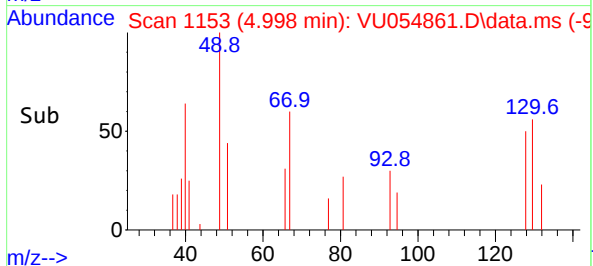
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



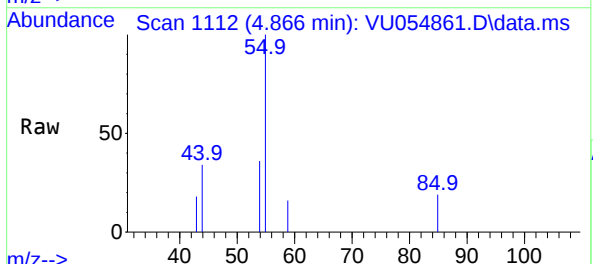
Tgt Ion: 41 Resp: 1552
Ion Ratio Lower Upper
41 100
67 73.6 77.0 115.4#
39 44.2 50.4 75.6#
52 7.7 32.0 48.0#

Manual Integrations
APPROVED

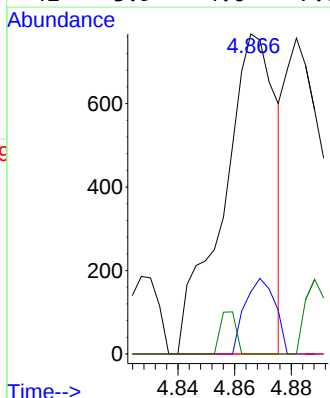
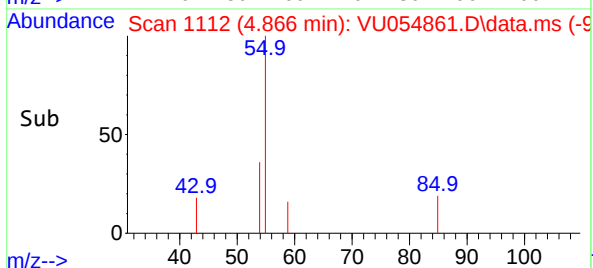
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

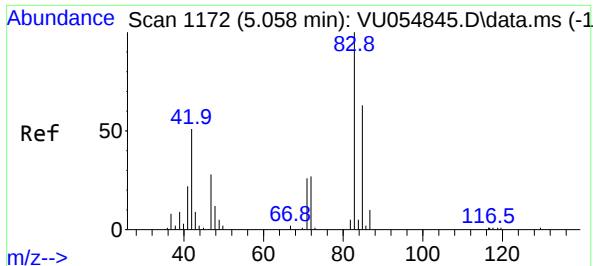


#40
Methyl acrylate
Concen: 0.390 ug/l
RT: 4.866 min Scan# 1112
Delta R.T. 0.020 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



Tgt Ion: 55 Resp: 989
Ion Ratio Lower Upper
55 100
85 0.0 13.0 19.6#
58 0.0 5.7 8.5#
42 3.9 4.6 7.0#





#41

Tetrahydrofuran

Concen: 2.042 ug/l

RT: 5.075 min Scan# 1172

Delta R.T. 0.017 min

Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

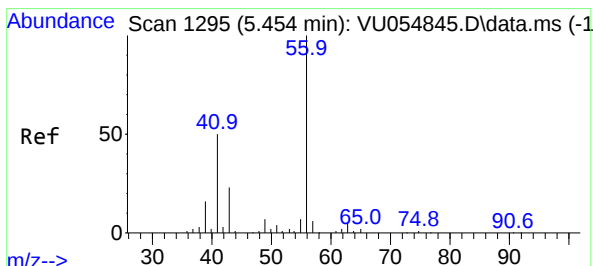
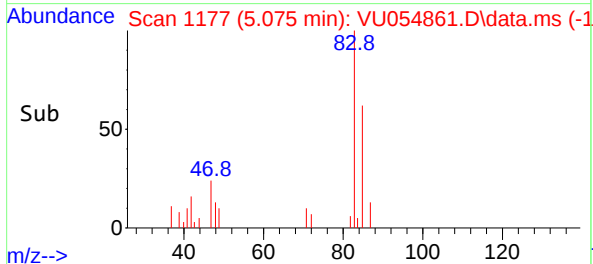
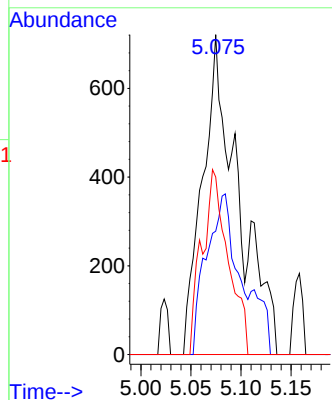
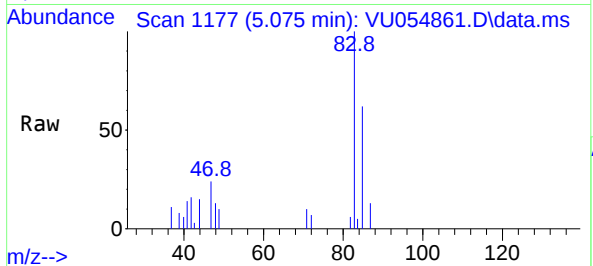
Tgt Ion:	42	Resp:	179
Ion	Ratio	Lower	Upper
42	100		
72	41.6	42.1	63.1
71	42.3	39.7	59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#42

1-Chlorobutane

Concen: 0.972 ug/l

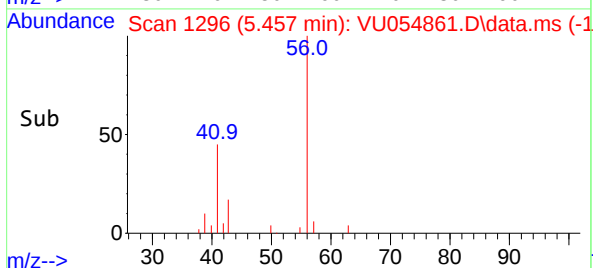
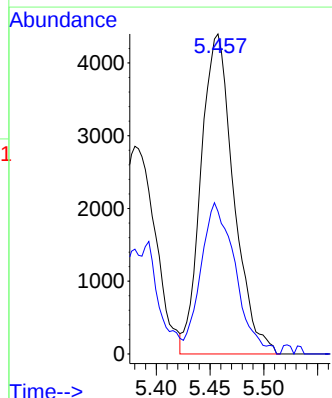
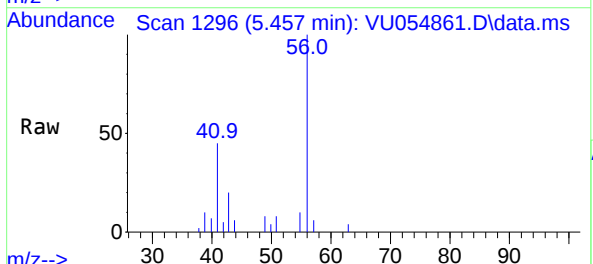
RT: 5.457 min Scan# 1296

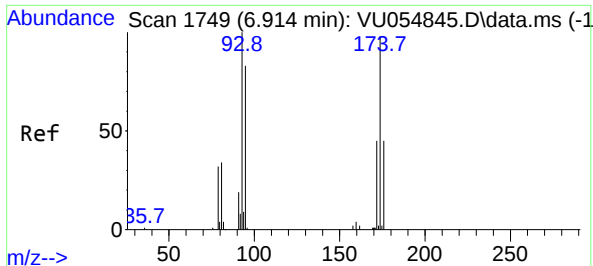
Delta R.T. 0.003 min

Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

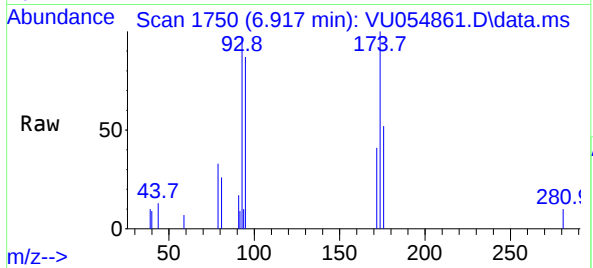
Tgt Ion:	56	Resp:	9303
Ion	Ratio	Lower	Upper
56	100		
41	49.8	23.9	71.7





#43
Dibromomethane
Concen: 0.882 ug/l
RT: 6.917 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

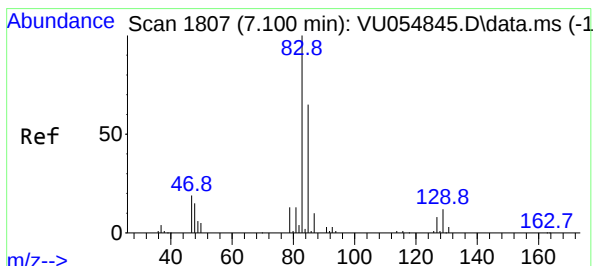
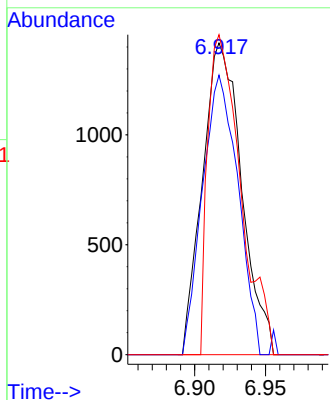
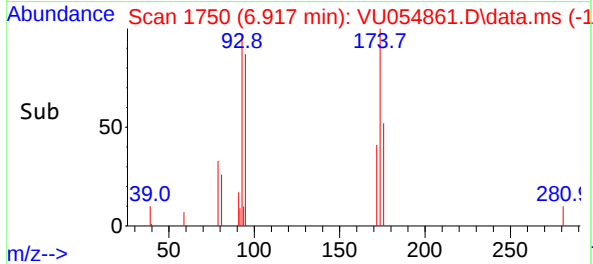
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



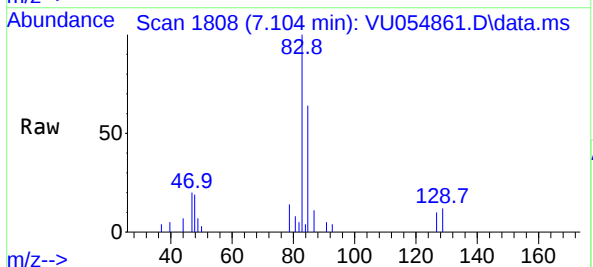
Tgt Ion: 93 Resp: 272
Ion Ratio Lower Upper
93 100
95 81.4 64.7 97.1
174 85.6 74.4 111.6

Manual Integrations
APPROVED

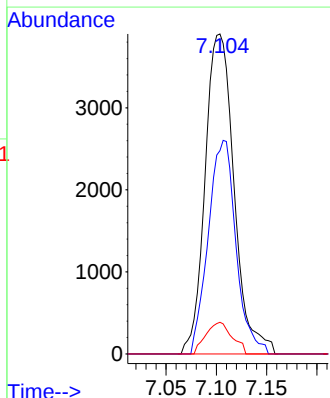
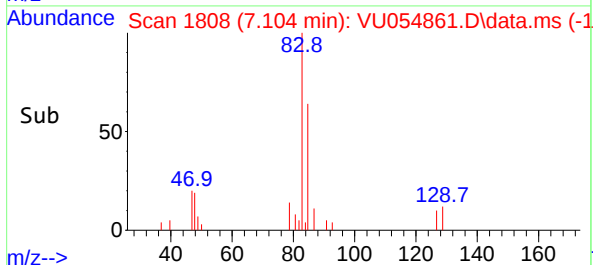
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

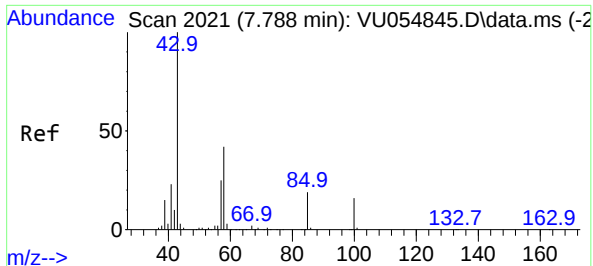


#44
Bromodichloromethane
Concen: 0.925 ug/l
RT: 7.104 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



Tgt Ion: 83 Resp: 7823
Ion Ratio Lower Upper
83 100
85 63.5 52.2 78.2
127 9.9 6.1 9.1#





#45

4-Methyl-2-Pentanone

Concen: 4.421 ug/l

RT: 7.792 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 43 Resp: 16149

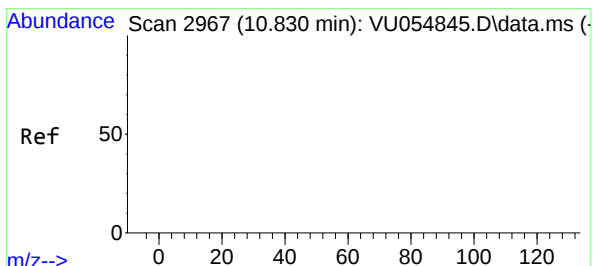
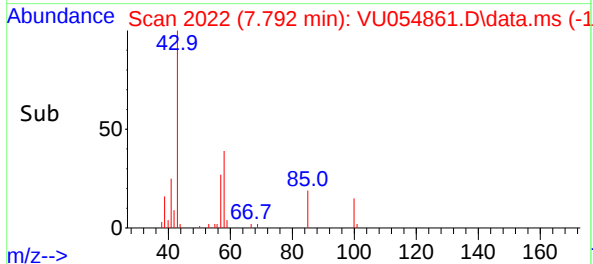
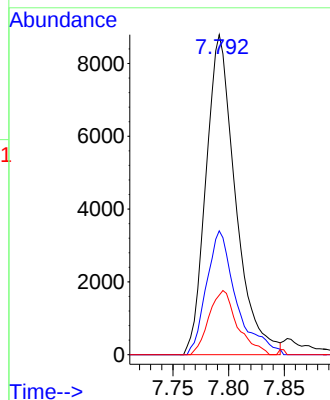
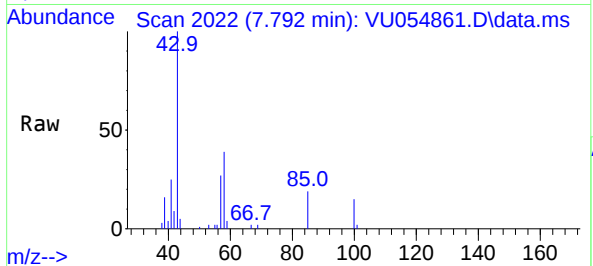
Ion	Ratio	Lower	Upper
43	100		
58	39.2	21.3	63.7
85	19.5	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#46

t-1,4-Dichloro-2-butene

Concen: 1.443 ug/l m

RT: 10.833 min Scan# 2968

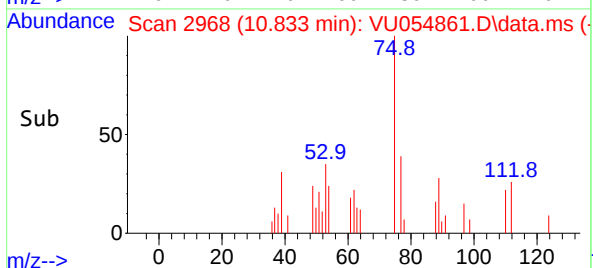
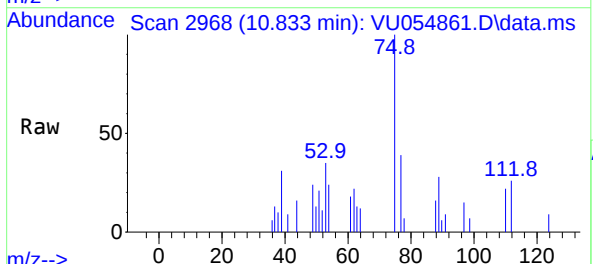
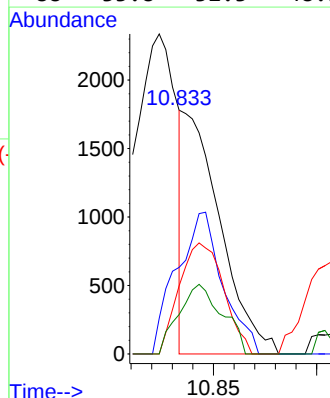
Delta R.T. 0.003 min

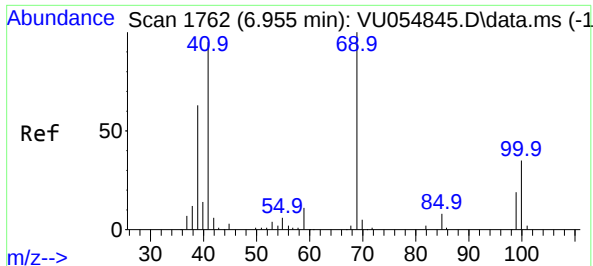
Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

Tgt Ion: 75 Resp: 2207

Ion	Ratio	Lower	Upper
75	100		
53	72.7	62.9	94.3
89	55.0	47.8	71.8
88	33.8	32.3	48.5





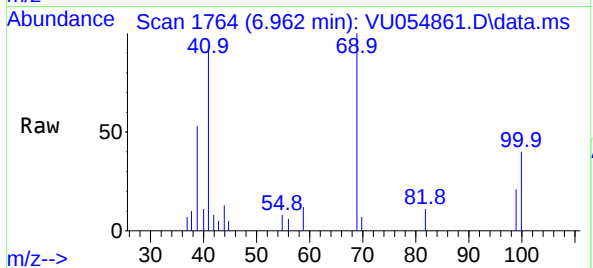
#47
Methyl methacrylate
Concen: 1.734 ug/l
RT: 6.962 min Scan# 1764
Delta R.T. 0.007 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



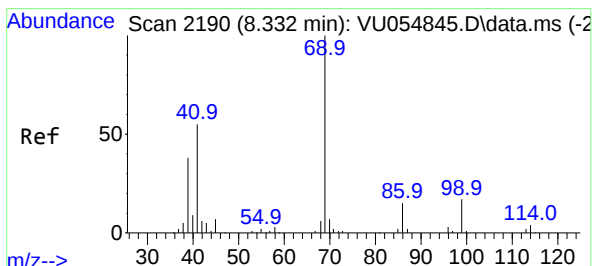
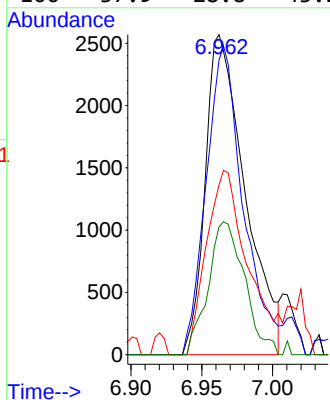
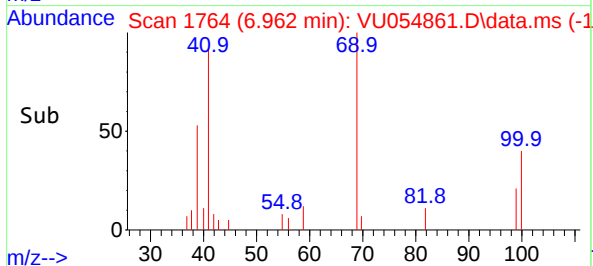
Tgt Ion: 69 Resp: 5028
Ion Ratio Lower Upper
69 100
41 89.7 0.0 193.0
39 58.3 50.4 75.6
100 37.9 28.8 43.2

Manual Integrations

APPROVED

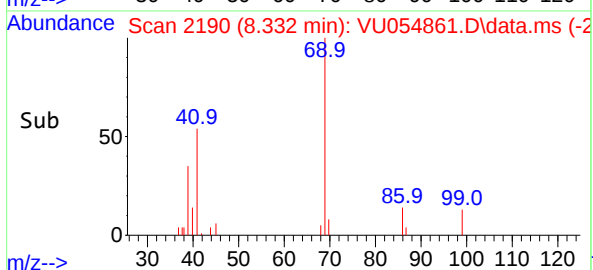
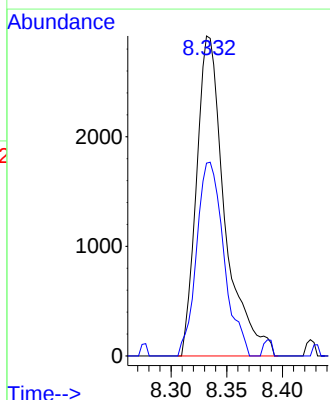
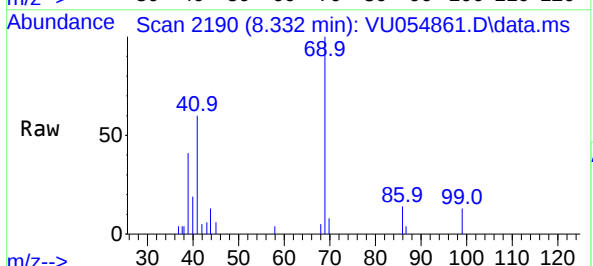
Reviewed By :John Carlone 07/25/2023

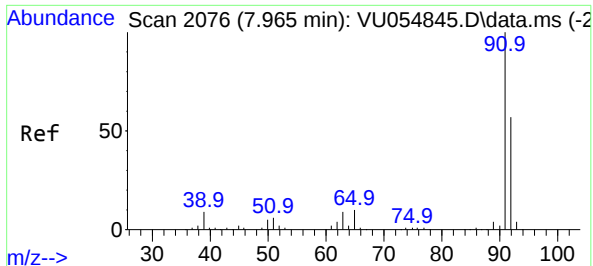
Supervised By :Mahesh Dadoda 07/31/2023



#48
Ethyl methacrylate
Concen: 0.872 ug/l
RT: 8.332 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion: 69 Resp: 5136
Ion Ratio Lower Upper
69 100
41 58.4 28.8 86.5





#49

Toluene

Concen: 0.941 ug/l

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 92 Resp: 13799

Ion Ratio Lower Upper

92 100

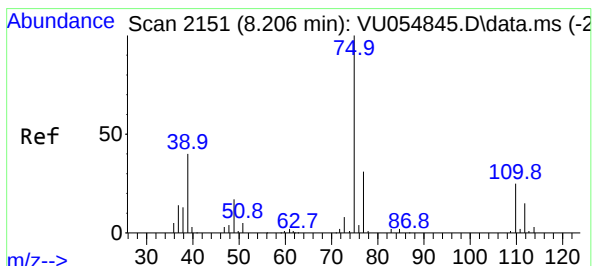
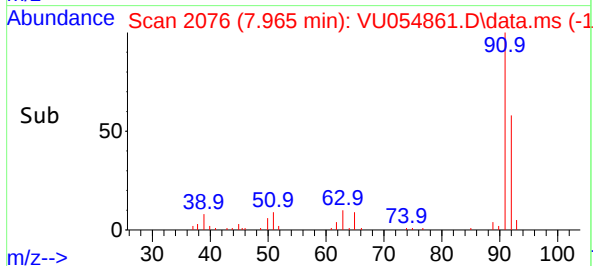
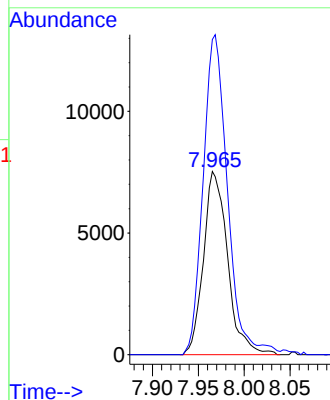
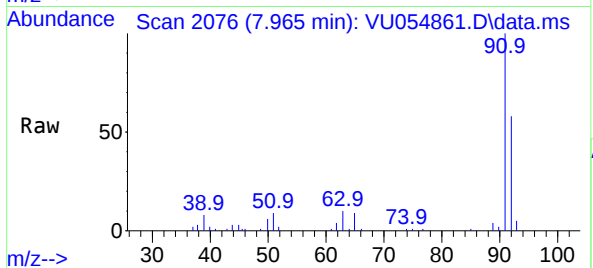
91 172.7 142.9 214.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#50

t-1,3-Dichloropropene

Concen: 0.849 ug/l

RT: 8.210 min Scan# 2152

Delta R.T. 0.004 min

Lab File: VU054861.D

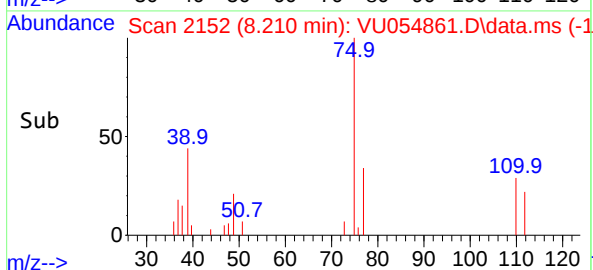
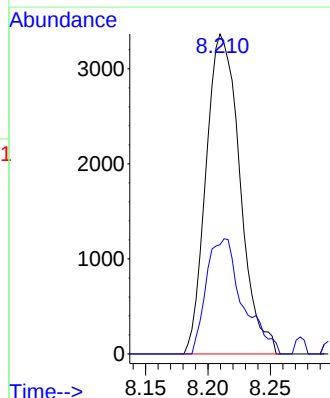
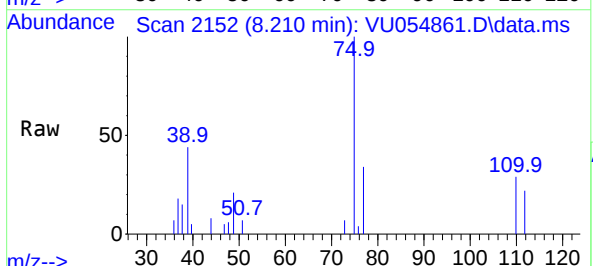
Acq: 24 Jul 2023 15:53

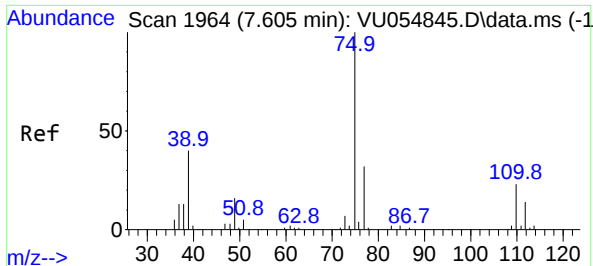
Tgt Ion: 75 Resp: 6361

Ion Ratio Lower Upper

75 100

77 34.2 24.9 37.3





#51
 cis-1,3-Dichloropropene
 Concen: 0.942 ug/l
 RT: 7.608 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VU054861.D
 Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

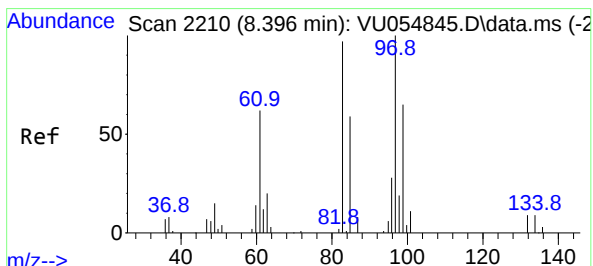
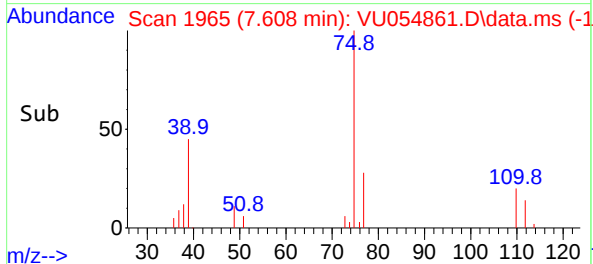
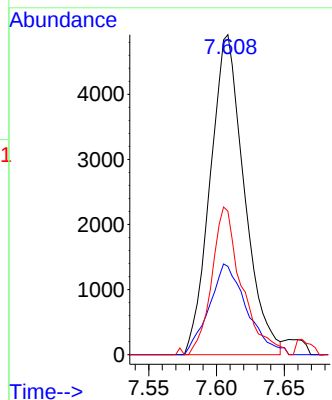
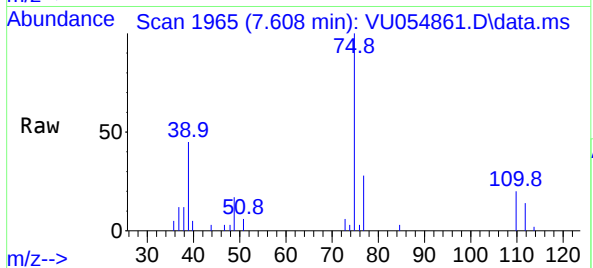
RL-CHECK

Tgt Ion: 75 Resp: 858
 Ion Ratio Lower Upper
 75 100
 77 27.6 25.8 38.8
 39 42.7 31.7 47.5

Manual Integrations

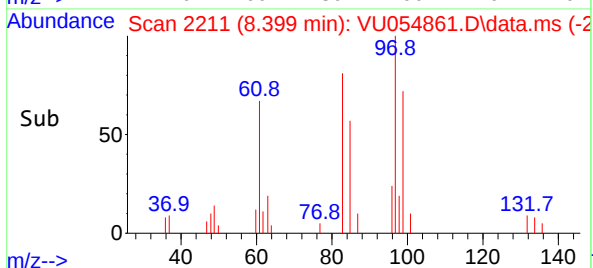
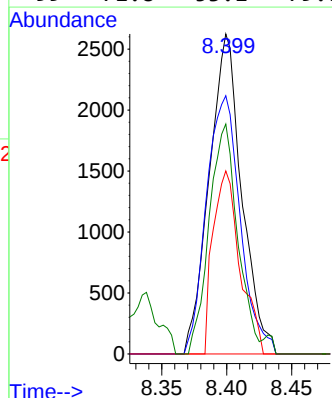
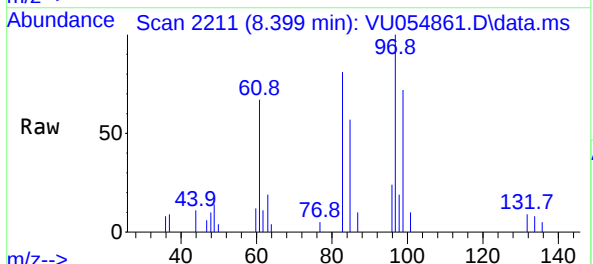
APPROVED

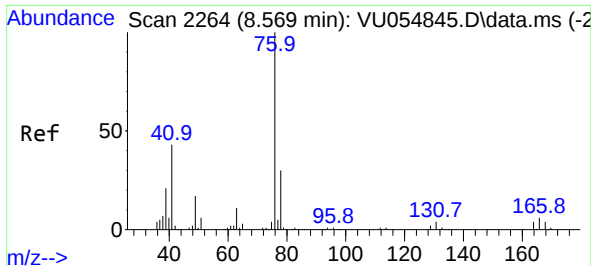
Reviewed By :John Carlone 07/25/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.980 ug/l
 RT: 8.399 min Scan# 2211
 Delta R.T. 0.004 min
 Lab File: VU054861.D
 Acq: 24 Jul 2023 15:53

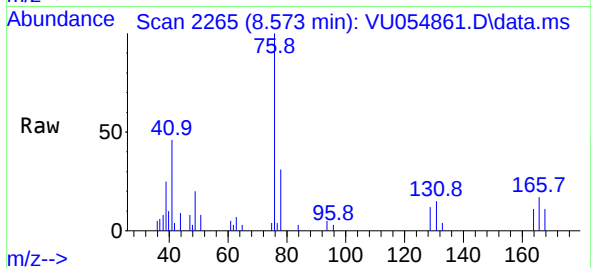
Tgt Ion: 97 Resp: 4563
 Ion Ratio Lower Upper
 97 100
 83 80.7 77.4 116.2
 85 57.2 47.8 71.8
 99 71.8 53.1 79.7





#53
1,3-Dichloropropane
Concen: 0.898 ug/l
RT: 8.573 min Scan# 2101
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

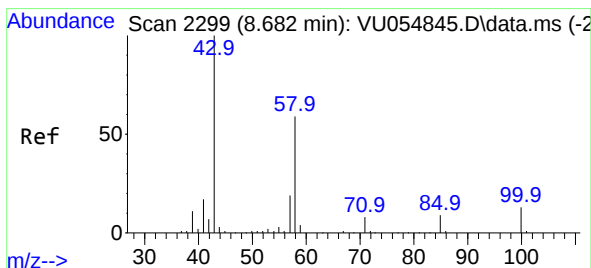
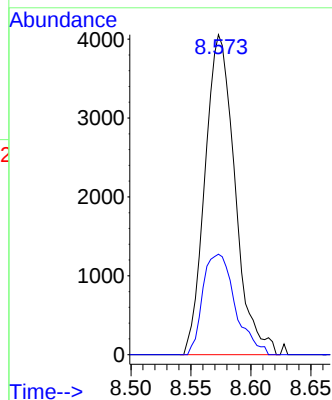
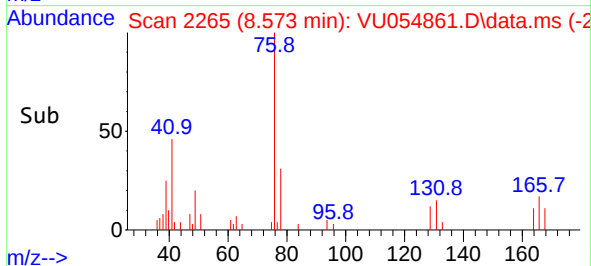
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



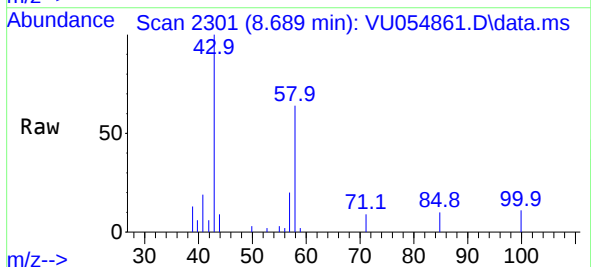
Tgt Ion: 76 Resp: 7044
Ion Ratio Lower Upper
76 100
78 33.9 24.6 36.8

Manual Integrations
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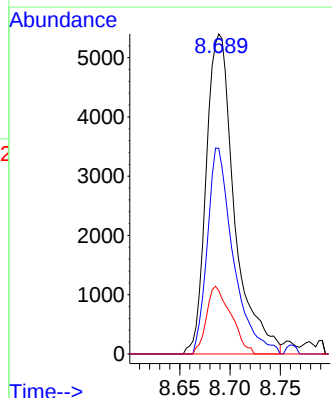
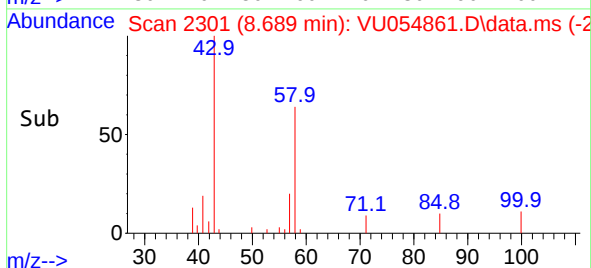
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

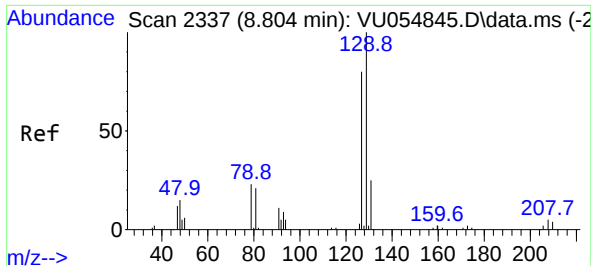


#54
2-Hexanone
Concen: 4.141 ug/l
RT: 8.689 min Scan# 2301
Delta R.T. 0.007 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



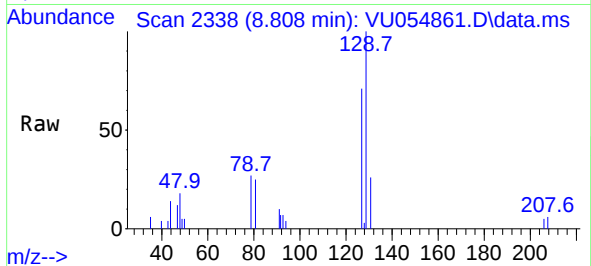
Tgt Ion: 43 Resp: 10545
Ion Ratio Lower Upper
43 100
58 59.0 38.9 78.9
57 18.3 0.0 38.7





#55
Dibromochloromethane
Concen: 0.853 ug/l
RT: 8.808 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

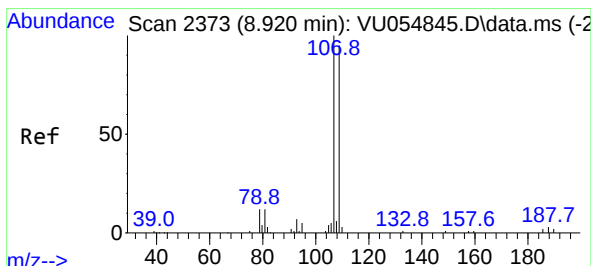
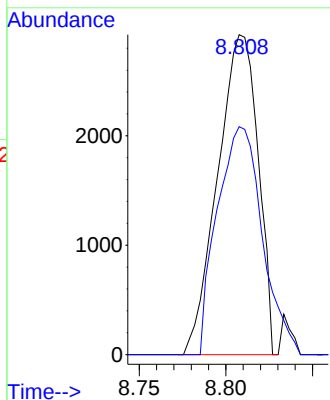
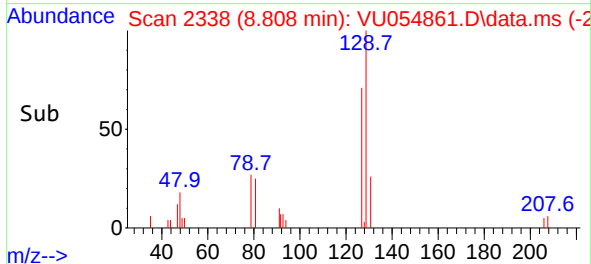
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



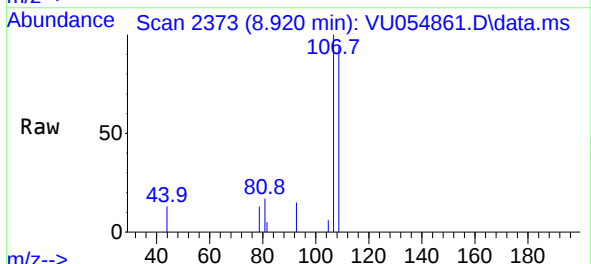
Tgt Ion:129 Resp: 474
Ion Ratio Lower Upper
129 100
127 79.2 61.4 92.0

Manual Integrations
APPROVED

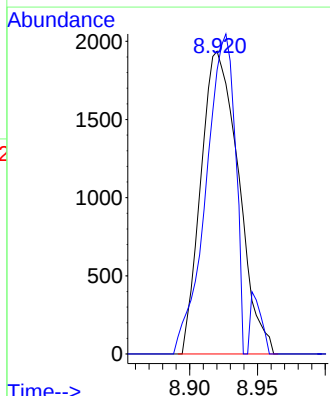
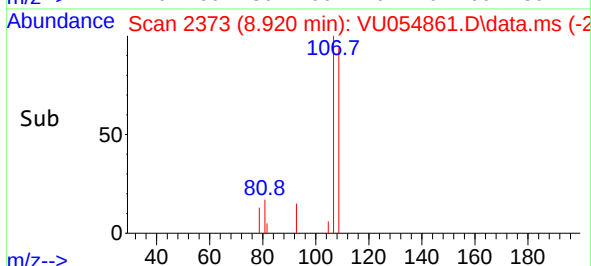
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

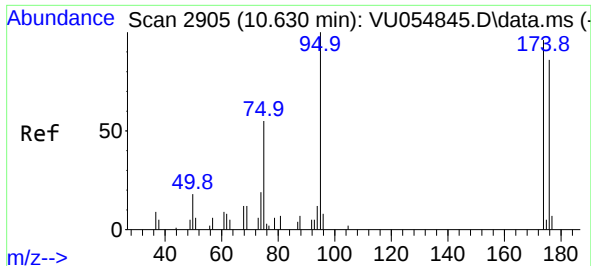


#56
1,2-Dibromoethane
Concen: 0.917 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



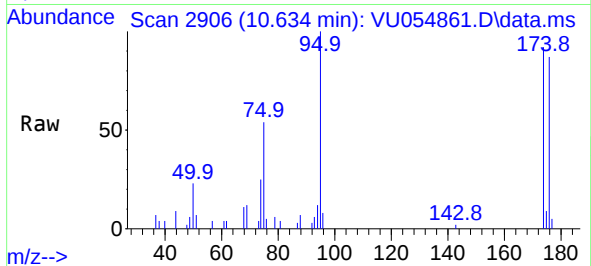
Tgt Ion:107 Resp: 3735
Ion Ratio Lower Upper
107 100
109 81.8 0.0 185.4





#57
4-Bromofluorobenzene
Concen: 0.955 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

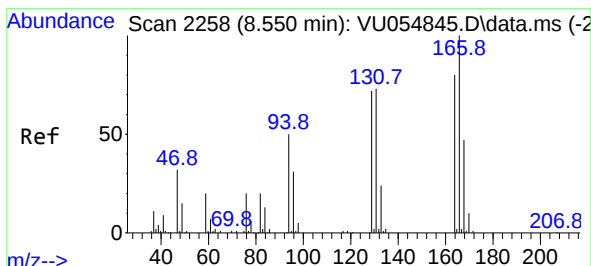
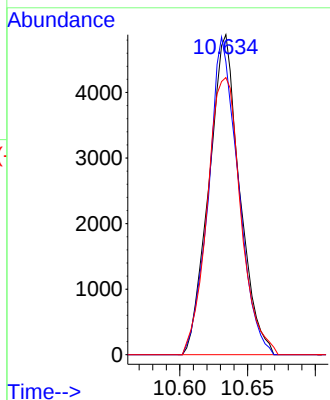
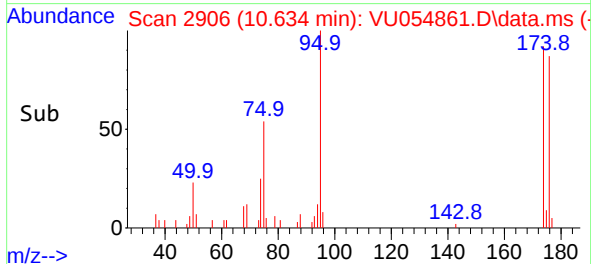
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 95 Resp: 7670
Ion Ratio Lower Upper
95 100
174 96.1 79.3 118.9
176 94.2 71.5 107.3

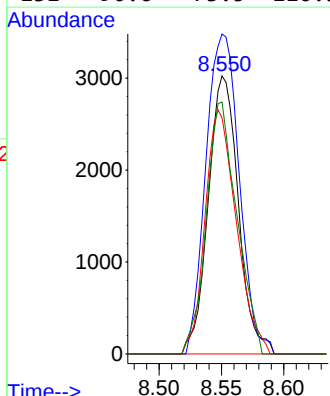
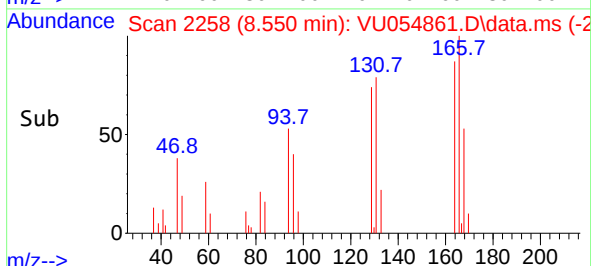
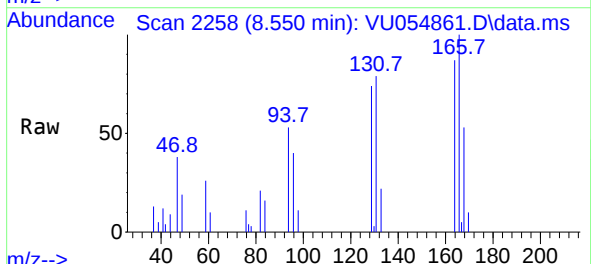
Manual Integrations
APPROVED

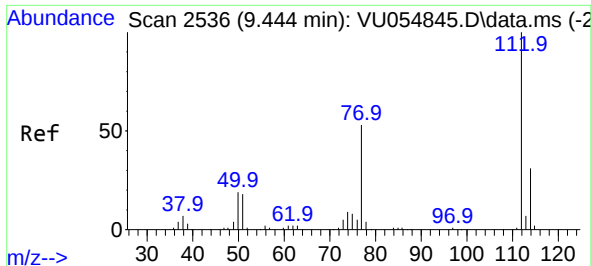
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#58
Tetrachloroethene
Concen: 0.941 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

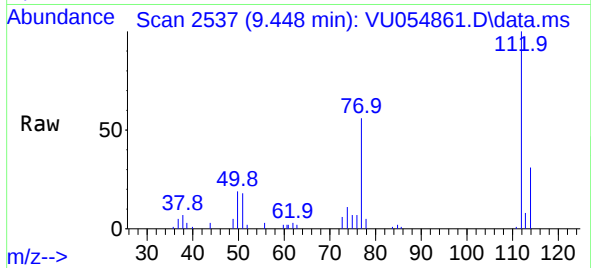
Tgt Ion:164 Resp: 5093
Ion Ratio Lower Upper
164 100
166 115.1 100.4 150.6
129 85.0 71.9 107.9
131 90.6 73.5 110.3





#59
Chlorobenzene
Concen: 0.905 ug/l
RT: 9.448 min Scan# 2536
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

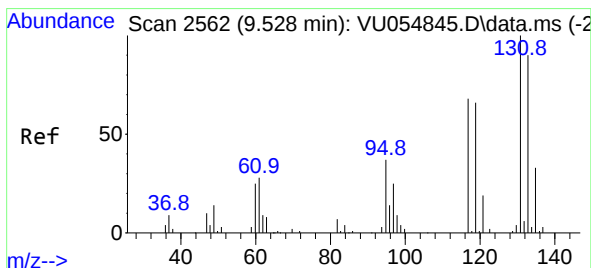
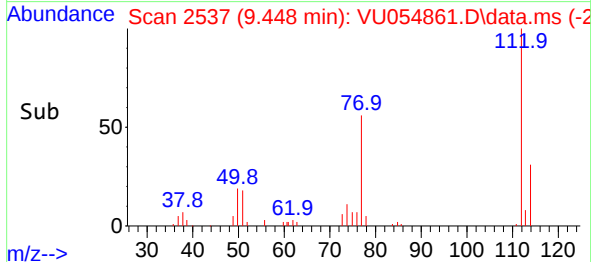
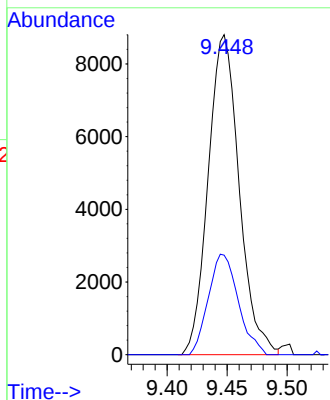
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:112 Resp: 15820
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.6

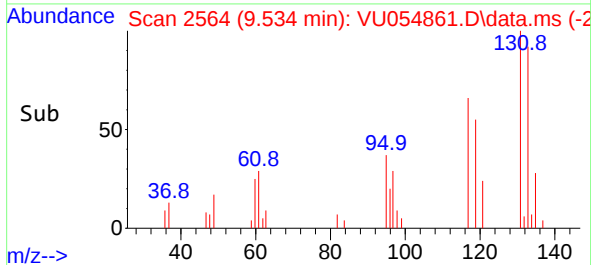
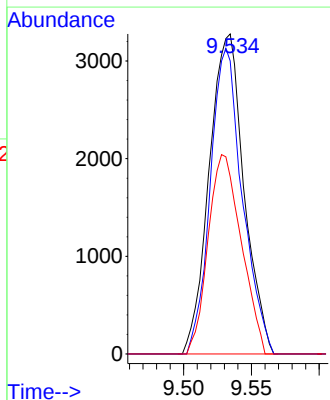
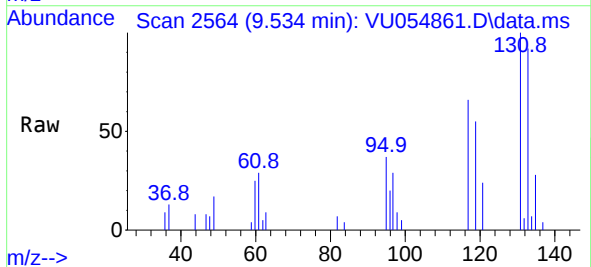
Manual Integrations
APPROVED

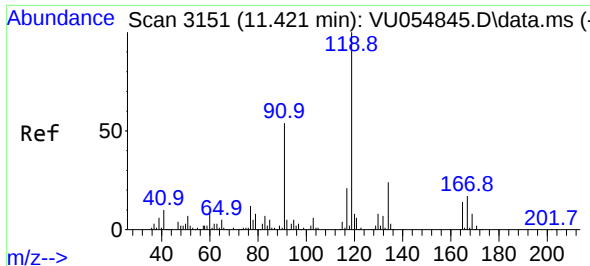
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 0.948 ug/l
RT: 9.534 min Scan# 2564
Delta R.T. 0.007 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

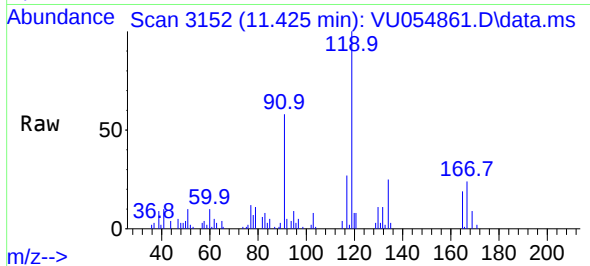
Tgt Ion:131 Resp: 5852
Ion Ratio Lower Upper
131 100
133 88.1 74.2 111.4
119 59.3 51.0 76.4





#61
Pentachloroethane
Concen: 0.871 ug/l
RT: 11.425 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

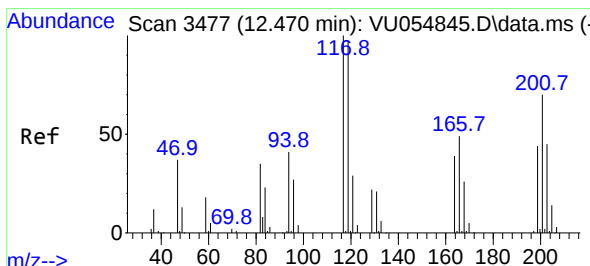
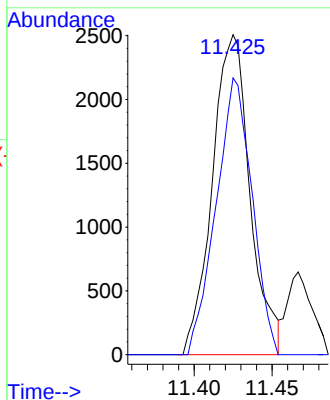
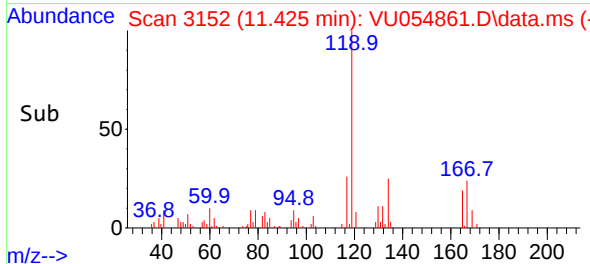
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



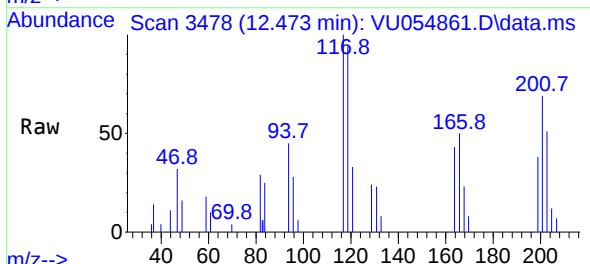
Tgt Ion:117 Resp: 4230
Ion Ratio Lower Upper
117 100
167 82.3 65.3 97.9

Manual Integrations
APPROVED

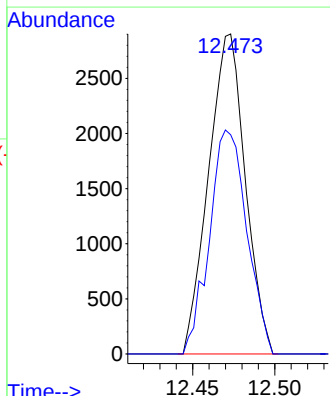
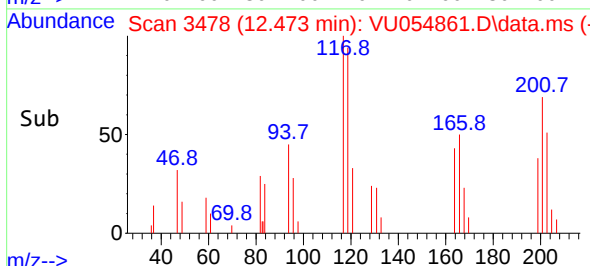
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

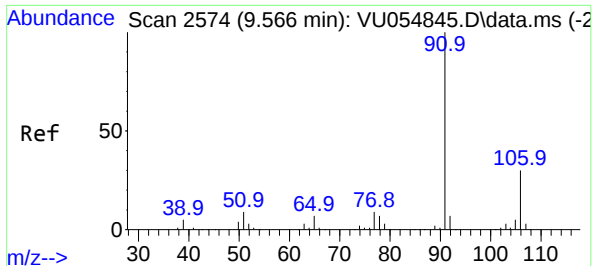


#62
Hexachloroethane
Concen: 0.905 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



Tgt Ion:117 Resp: 4516
Ion Ratio Lower Upper
117 100
201 71.3 56.1 84.1





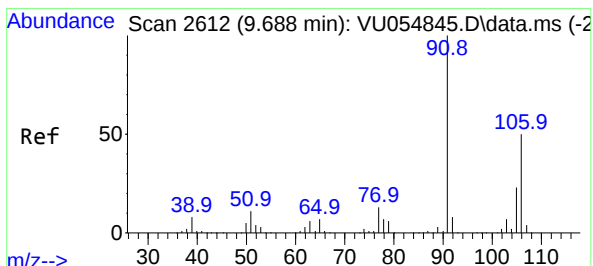
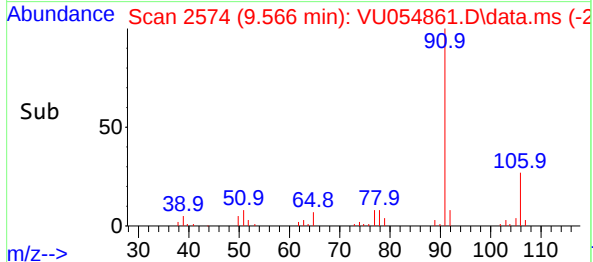
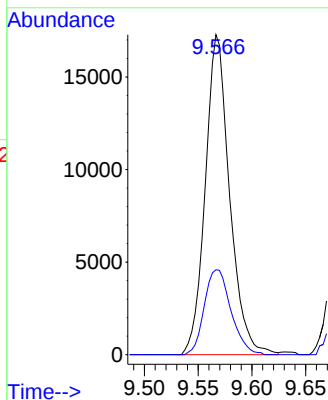
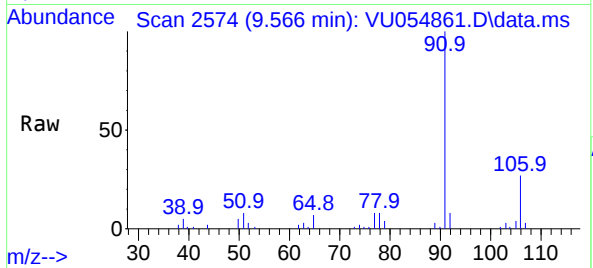
#63
Ethyl Benzene
Concen: 0.912 ug/l
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 91 Resp: 2718
Ion Ratio Lower Upper
91 100
106 26.6 24.2 36.2

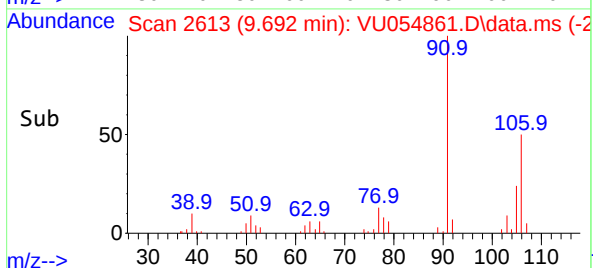
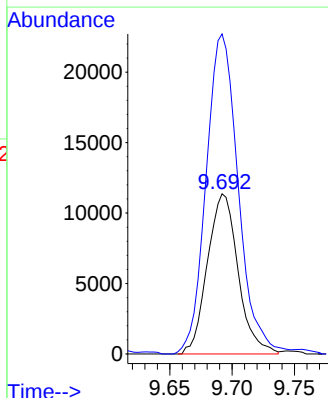
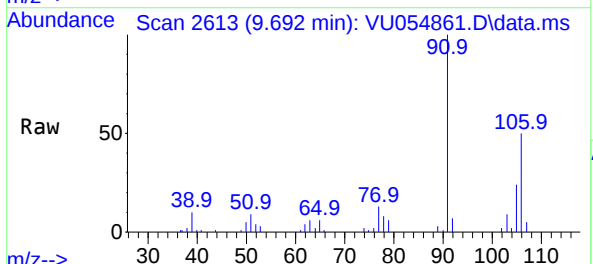
Manual Integrations
APPROVED

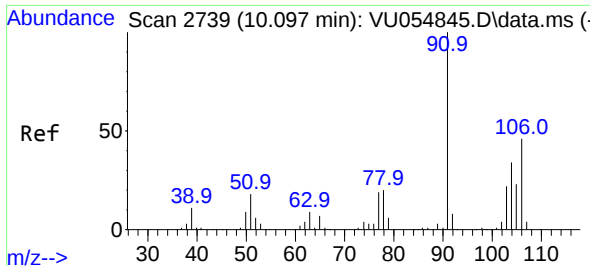
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#64
m/p-Xylenes
Concen: 1.732 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion:106 Resp: 19510
Ion Ratio Lower Upper
106 100
91 208.9 158.8 238.2





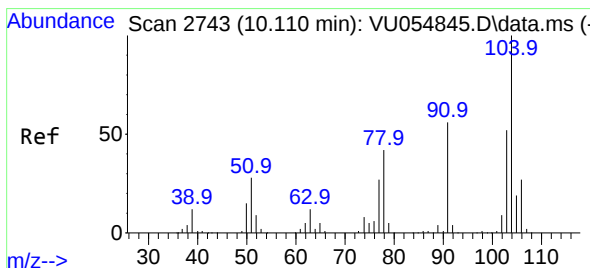
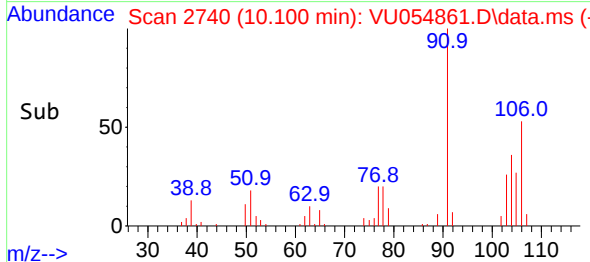
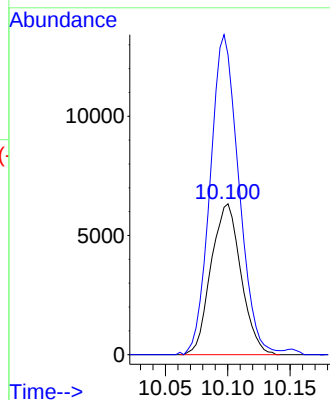
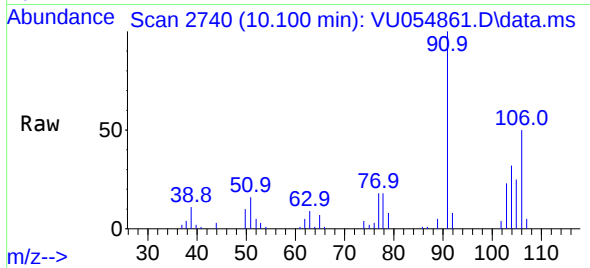
#65
o-Xylene
Concen: 0.934 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:106 Resp: 10599
Ion Ratio Lower Upper
106 100
91 203.1 108.9 326.8

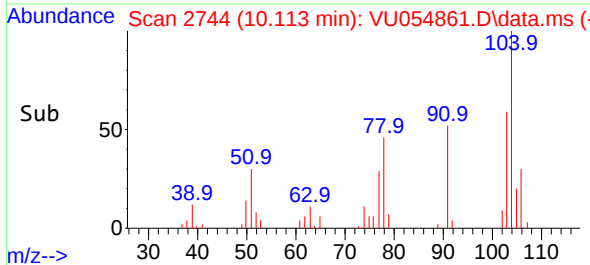
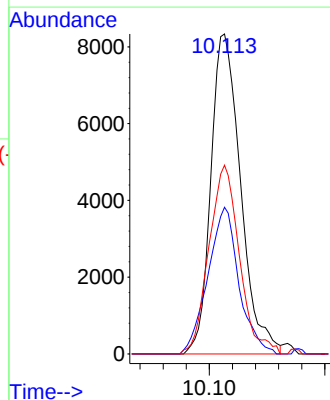
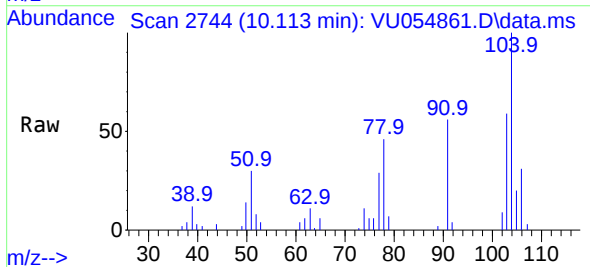
Manual Integrations
APPROVED

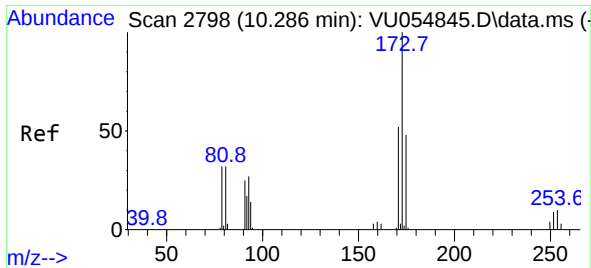
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#66
Styrene
Concen: 0.820 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion:104 Resp: 14950
Ion Ratio Lower Upper
104 100
78 47.7 37.5 56.3
103 60.4 45.2 67.8





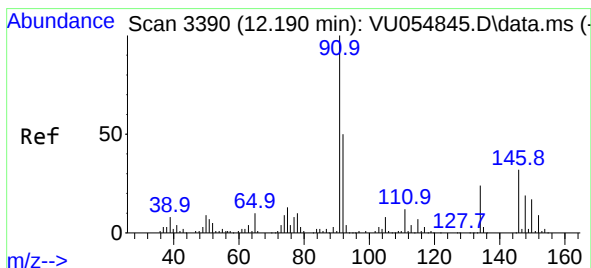
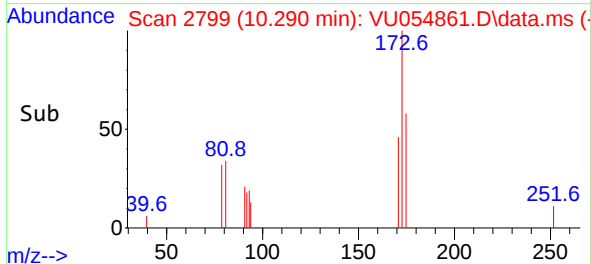
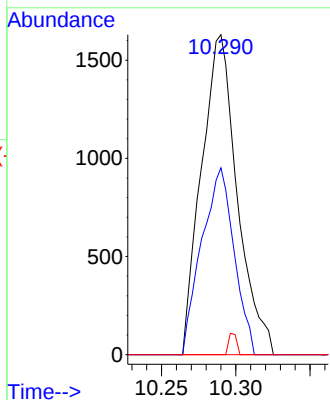
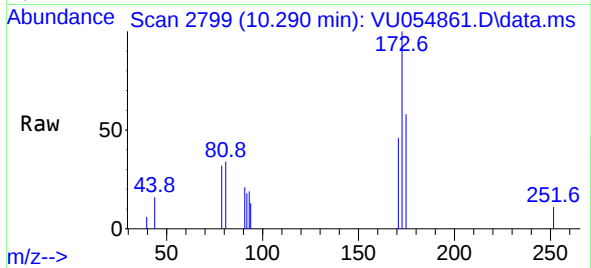
#67
Bromoform
Concen: 0.911 ug/l
RT: 10.290 min Scan# 2798
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:173 Resp: 273
Ion Ratio Lower Upper
173 100
175 52.8 39.0 58.6
254 1.5 7.4 11.0

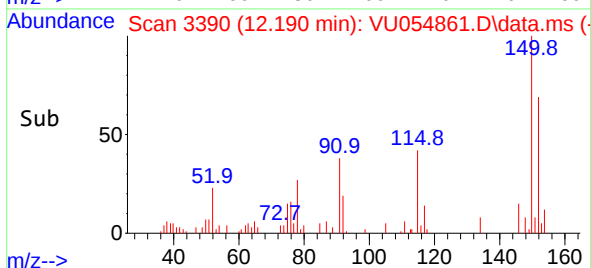
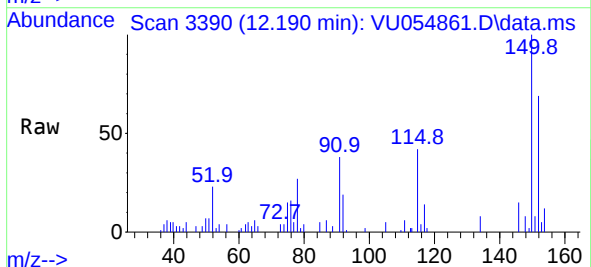
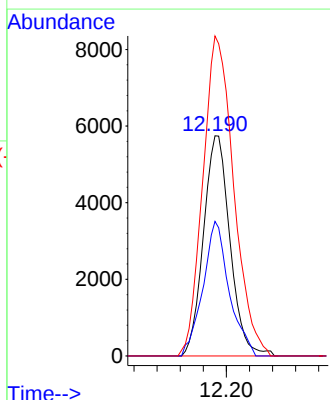
Manual Integrations
APPROVED

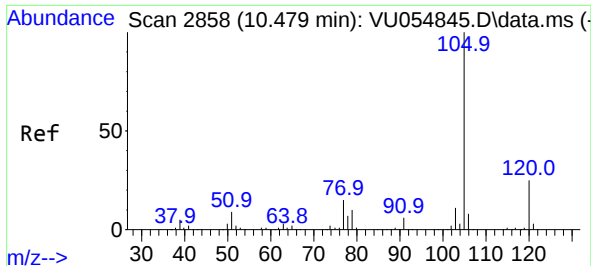
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#68
1,2-Dichlorobenzene-d4
Concen: 0.986 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion:152 Resp: 9175
Ion Ratio Lower Upper
152 100
115 60.2 0.0 234.8
150 168.8 0.0 598.2





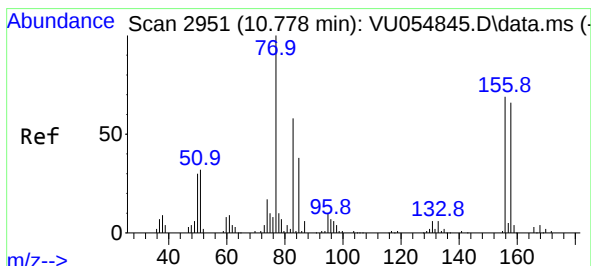
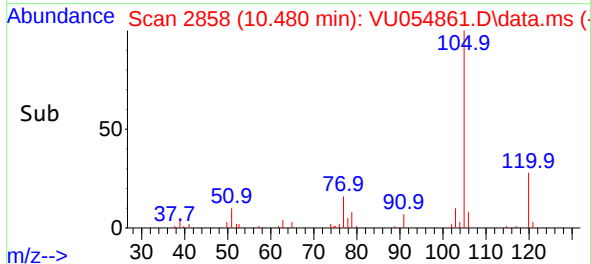
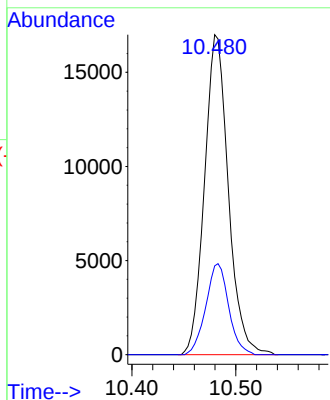
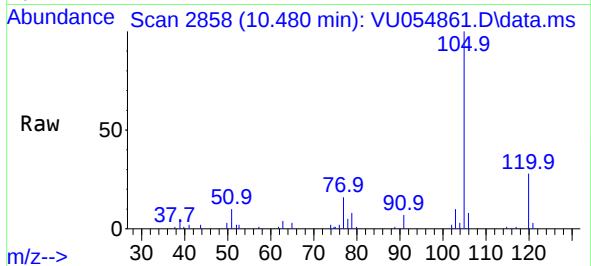
#69
Isopropylbenzene
Concen: 0.879 ug/l
RT: 10.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:105 Resp: 27079
Ion Ratio Lower Upper
105 100
120 27.2 12.6 37.6

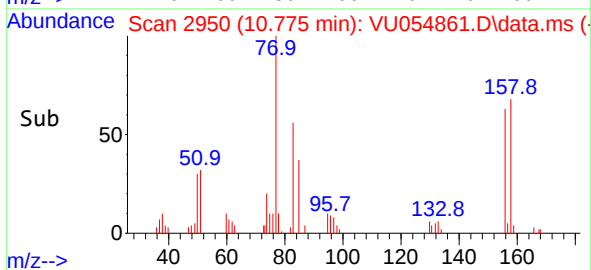
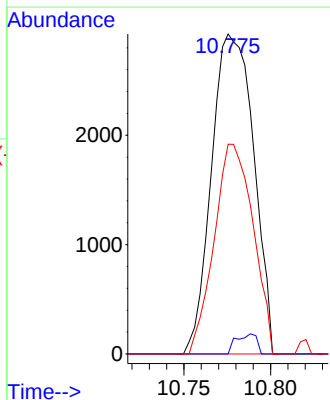
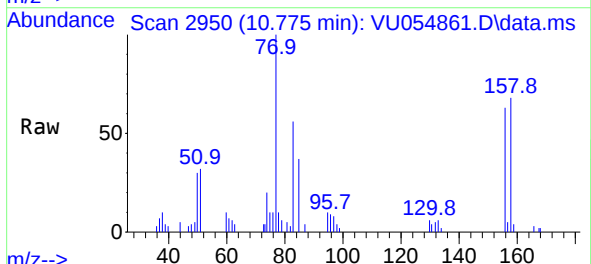
Manual Integrations
APPROVED

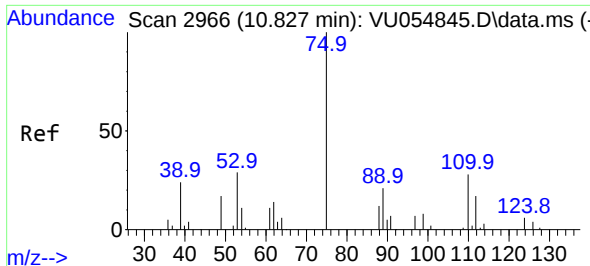
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 0.850 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

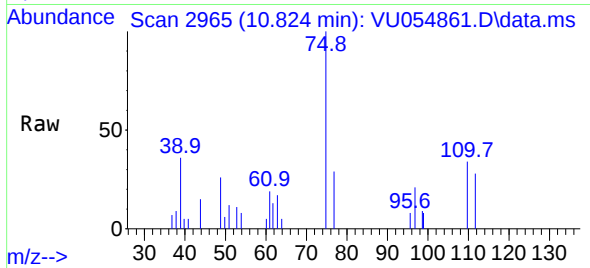
Tgt Ion: 83 Resp: 4936
Ion Ratio Lower Upper
83 100
131 3.0 7.5 11.3#
85 60.6 53.0 79.6





#71
1,2,3-Trichloropropane
Concen: 0.870 ug/l m
RT: 10.824 min Scan# 2965
Delta R.T. -0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

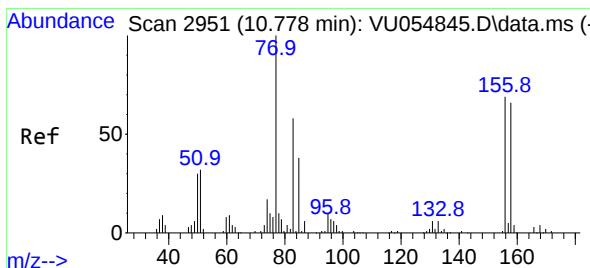
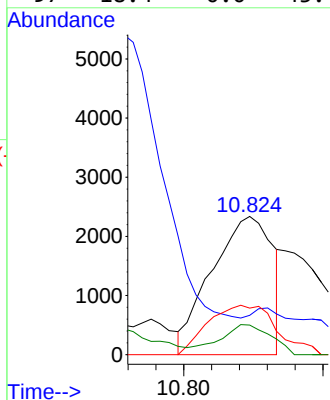
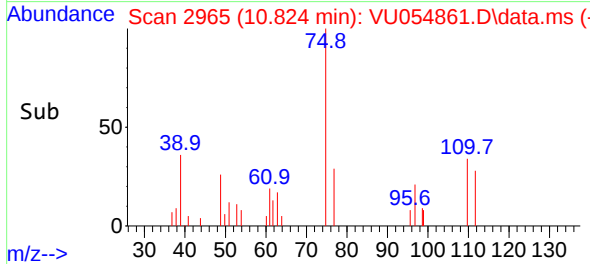


Tgt Ion: 75 Resp: 3559

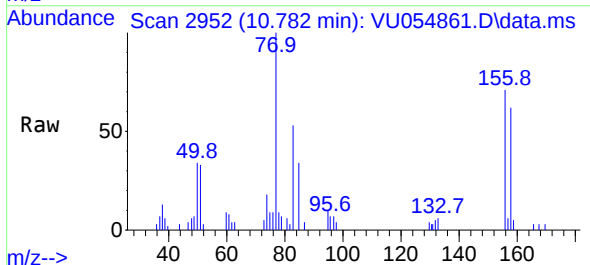
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	40.3	0.0	80.8
97	18.4	0.0	43.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

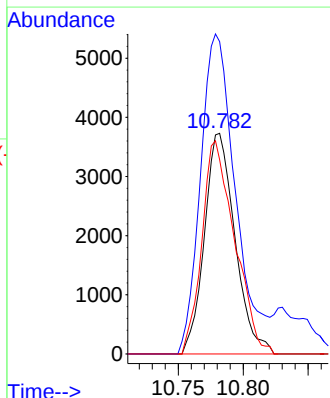
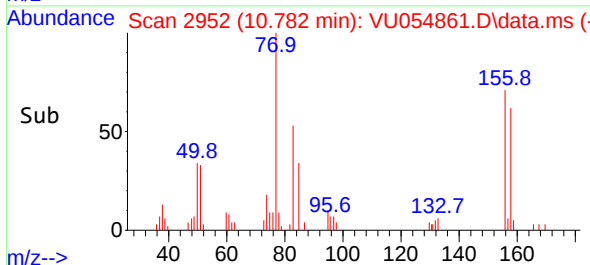


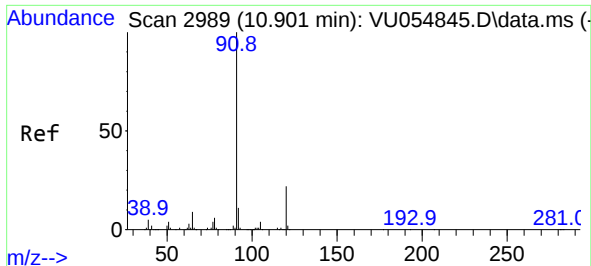
#72
Bromobenzene
Concen: 0.859 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



Tgt Ion:156 Resp: 6099

Ion	Ratio	Lower	Upper
156	100		
77	166.4	0.0	293.2
158	103.6	0.0	189.8





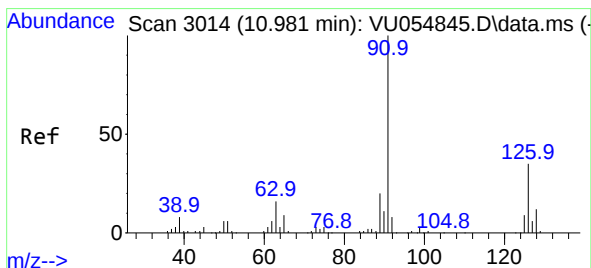
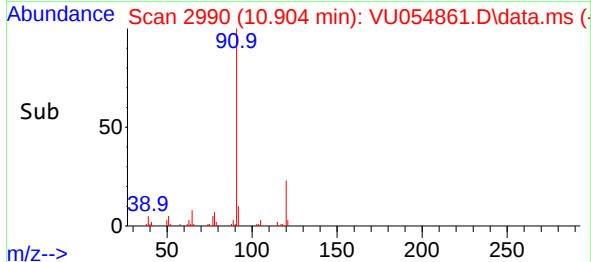
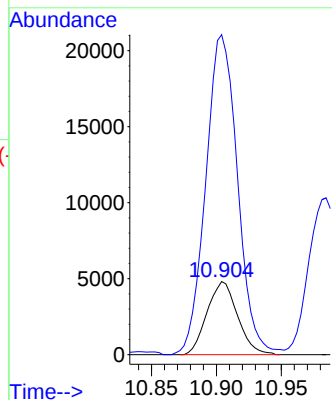
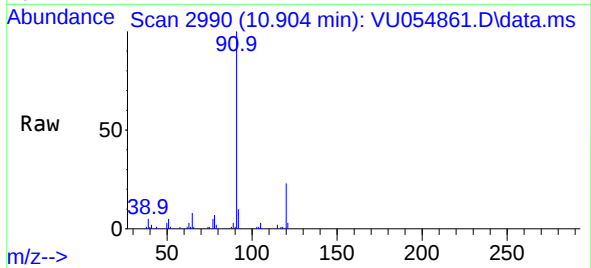
#73
n-propylbenzene
Concen: 0.948 ug/l
RT: 10.904 min Scan# 2989
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:120 Resp: 7849
Ion Ratio Lower Upper
120 100
91 457.7 361.8 542.6

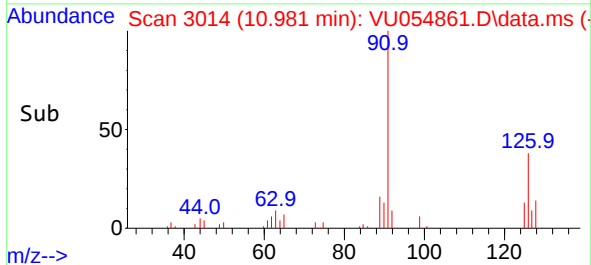
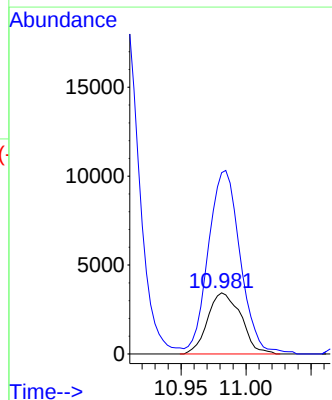
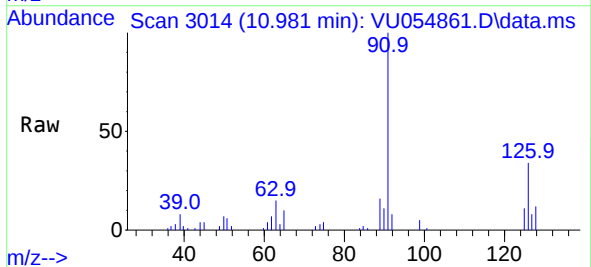
Manual Integrations
APPROVED

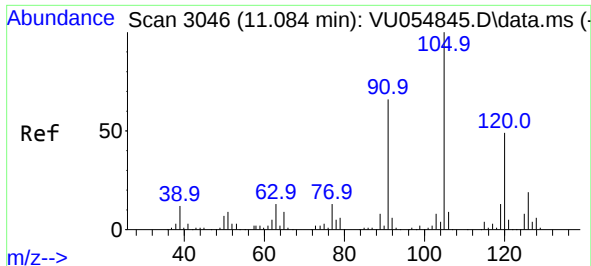
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#74
2-Chlorotoluene
Concen: 0.852 ug/l
RT: 10.981 min Scan# 3014
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion:126 Resp: 6136
Ion Ratio Lower Upper
126 100
91 288.0 0.0 561.4





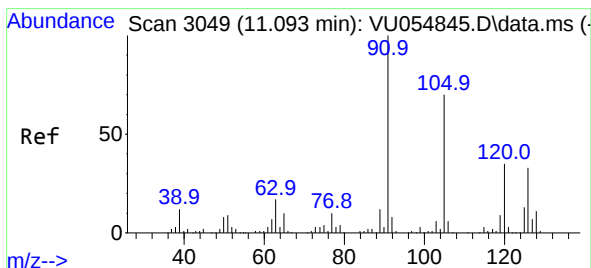
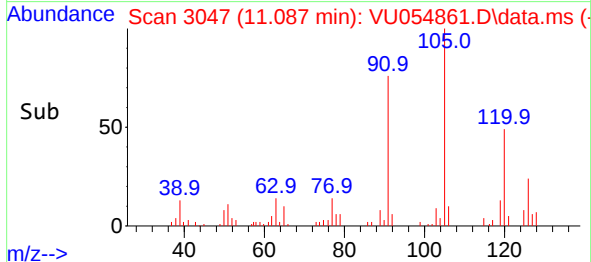
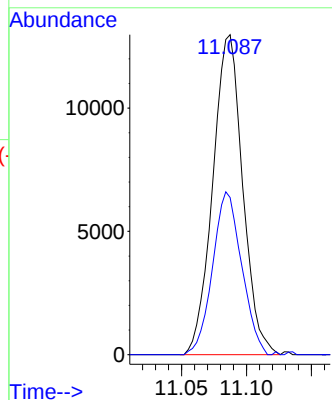
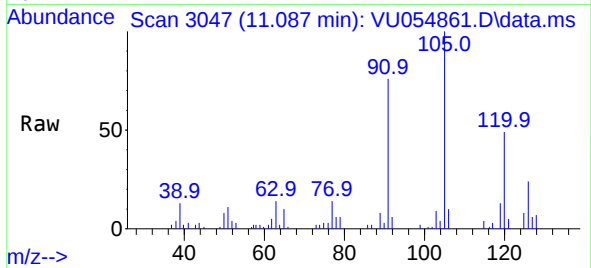
#75
1,3,5-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:105 Resp: 20754
Ion Ratio Lower Upper
105 100
120 49.5 39.0 58.4

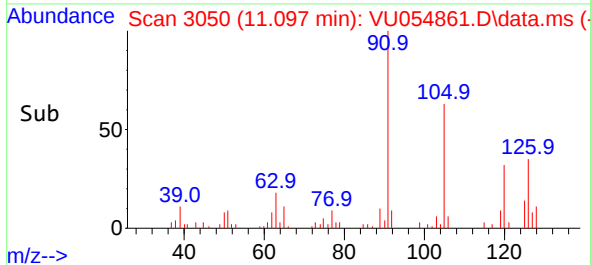
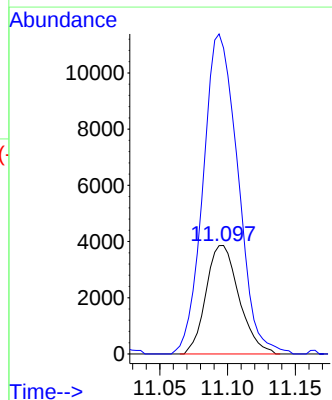
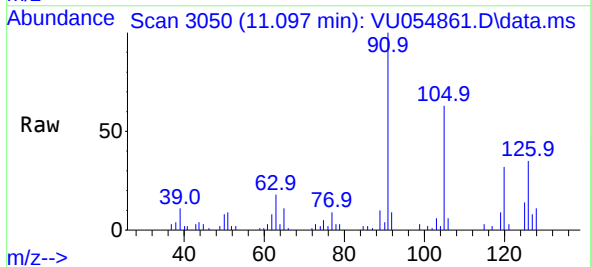
Manual Integrations
APPROVED

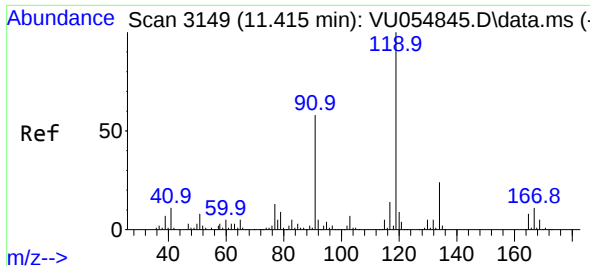
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#76
4-Chlorotoluene
Concen: 0.883 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Tgt Ion:126 Resp: 6540
Ion Ratio Lower Upper
126 100
91 310.5 0.0 623.4





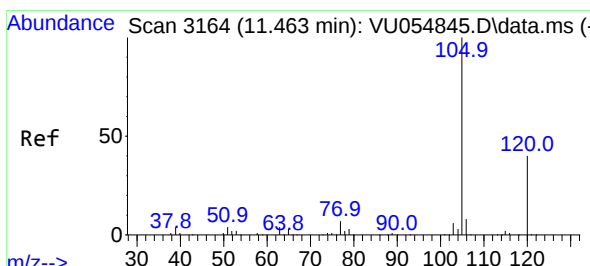
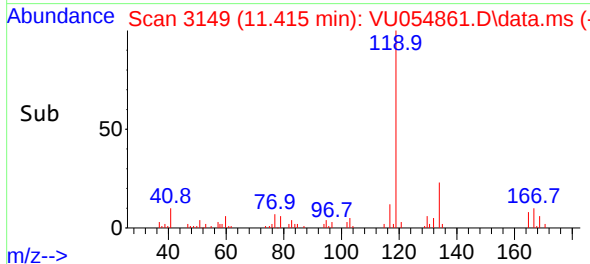
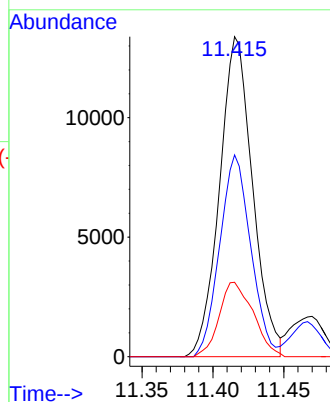
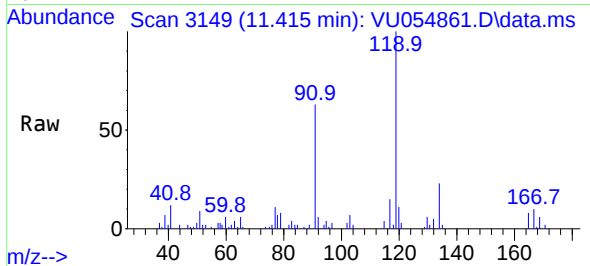
#77
tert-Butylbenzene
Concen: 0.842 ug/l
RT: 11.415 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.2	27.7	83.1
134	23.9	18.6	27.8

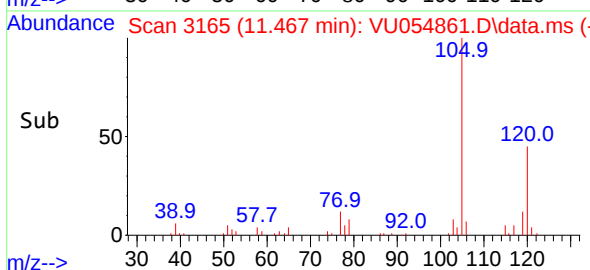
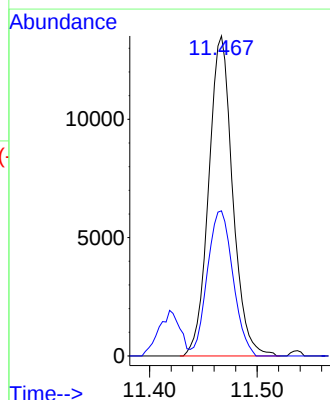
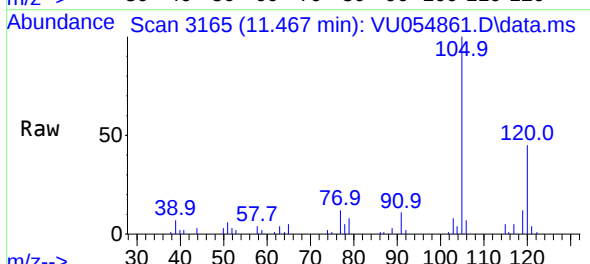
Manual Integrations
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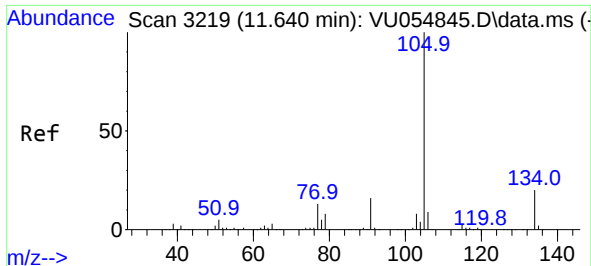
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.830 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

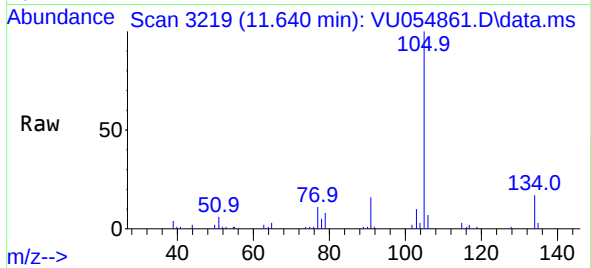
Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	22.4	67.3





#79
 sec-Butylbenzene
 Concen: 0.849 ug/l
 RT: 11.640 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VU054861.D
 Acq: 24 Jul 2023 15:53

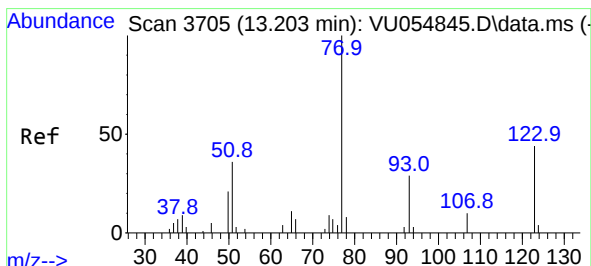
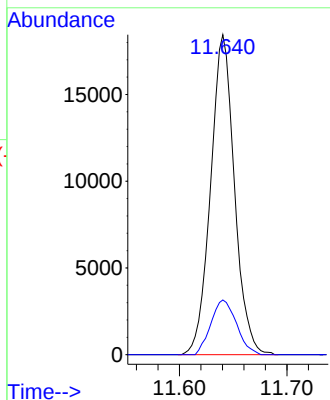
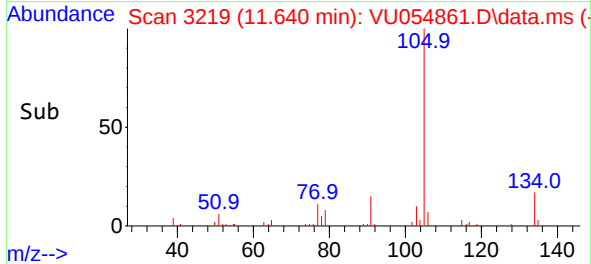
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK



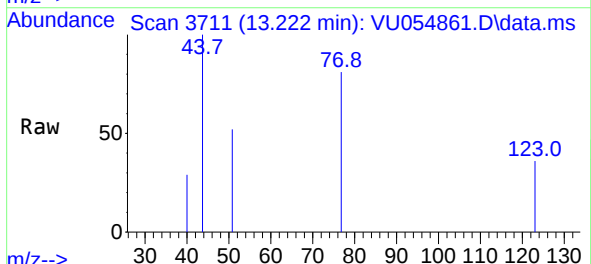
Tgt Ion:105 Resp: 2844
 Ion Ratio Lower Upper
 105 100
 134 18.4 15.7 23.5

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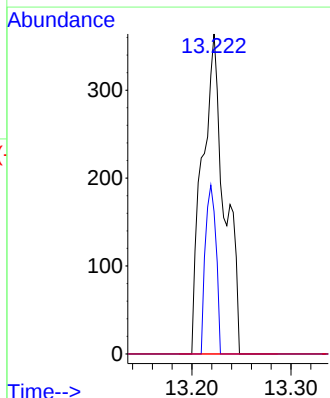
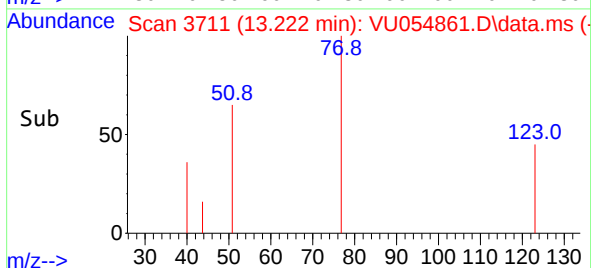
Reviewed By :John Carlone 07/25/2023
 Supervised By :Mahesh Dadoda 07/31/2023

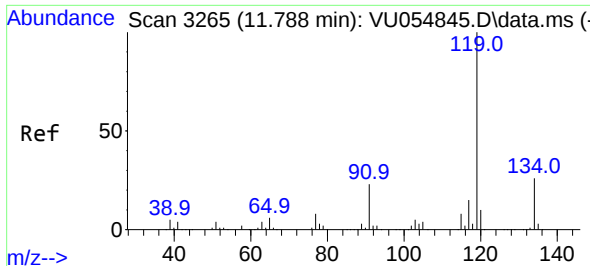


#80
 Nitrobenzene
 Concen: 3.356 ug/l m
 RT: 13.222 min Scan# 3711
 Delta R.T. 0.019 min
 Lab File: VU054861.D
 Acq: 24 Jul 2023 15:53



Tgt Ion: 77 Resp: 565
 Ion Ratio Lower Upper
 77 100
 123 25.1 20.2 71.8
 65 0.0 11.7 14.9#





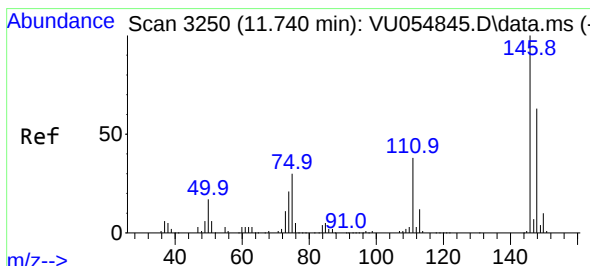
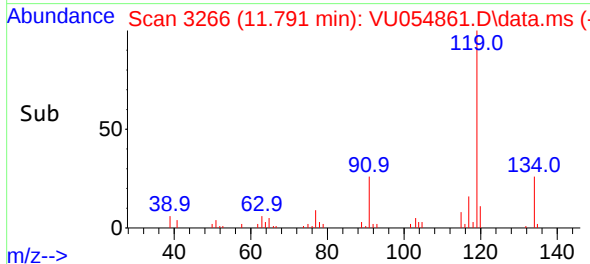
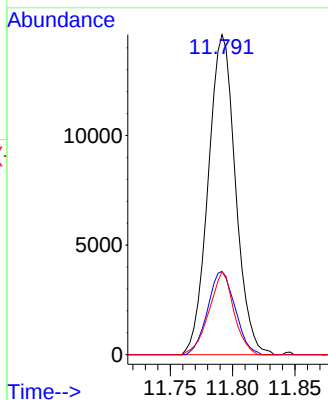
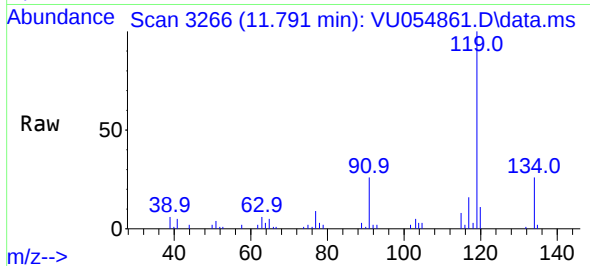
#81
p-Isopropyltoluene
Concen: 0.814 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:119 Resp: 2221
Ion Ratio Lower Upper
119 100
134 26.1 20.6 31.0
91 23.6 18.2 27.4

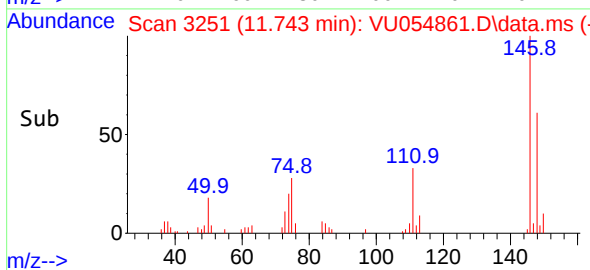
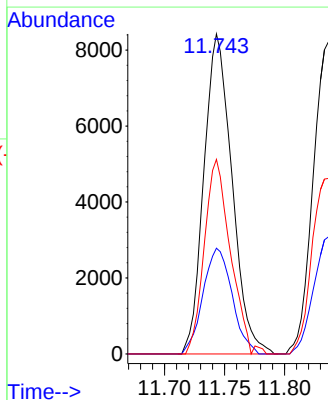
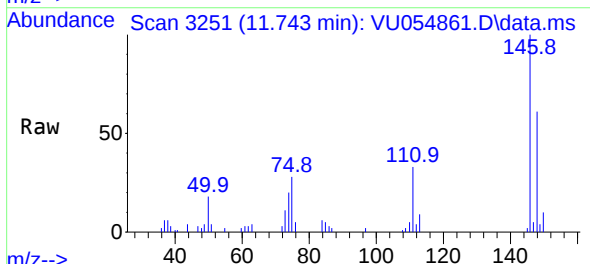
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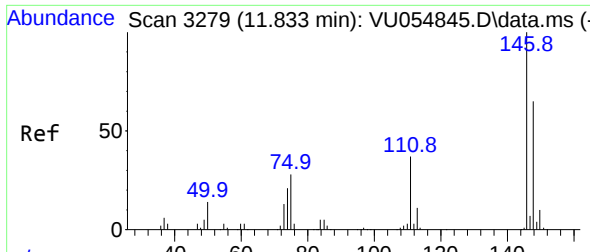
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#82
1,3-Dichlorobenzene
Concen: 0.966 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

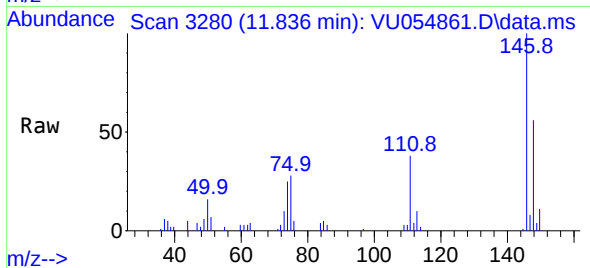
Tgt Ion:146 Resp: 13731
Ion Ratio Lower Upper
146 100
111 34.2 30.5 45.7
148 56.6 51.0 76.6





#83
1,4-Dichlorobenzene
Concen: 0.931 ug/l
RT: 11.836 min Scan# 31
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

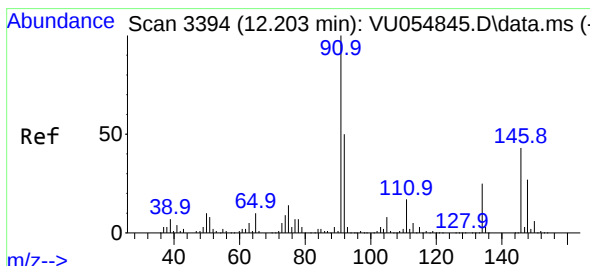
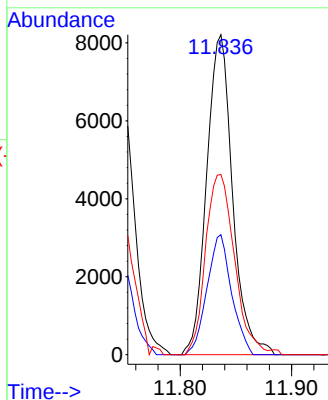
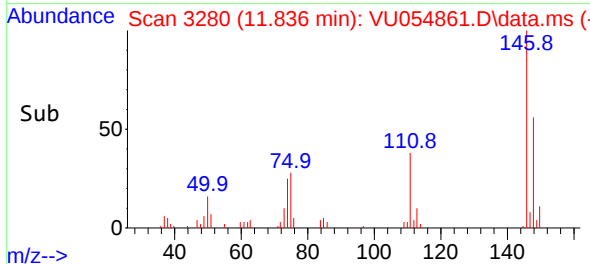
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



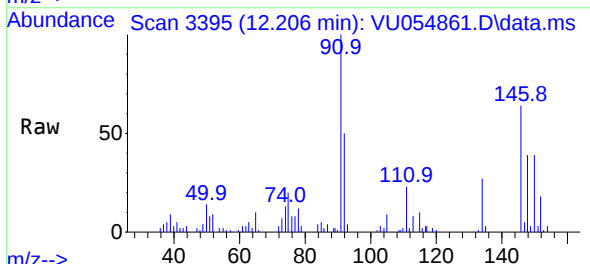
Tgt Ion:146 Resp: 13280
Ion Ratio Lower Upper
146 100
111 35.5 29.5 44.3
148 63.3 51.2 76.8

Manual Integrations
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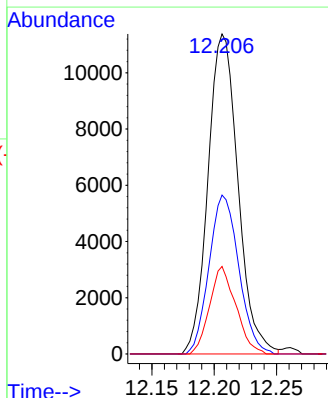
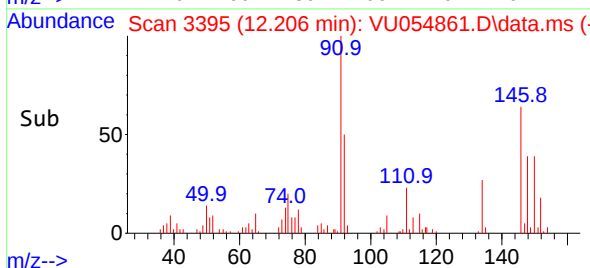
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

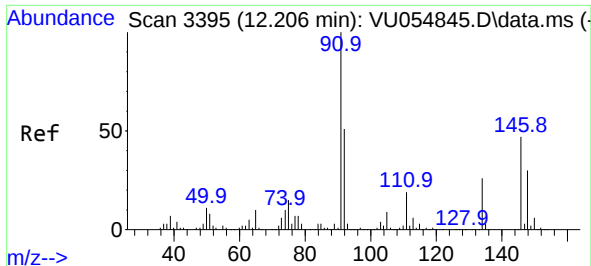


#84
n-Butylbenzene
Concen: 0.759 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



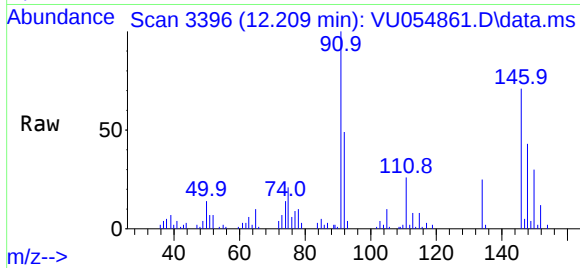
Tgt Ion: 91 Resp: 19053
Ion Ratio Lower Upper
91 100
92 49.2 39.8 59.8
134 24.0 20.2 30.4





#85
1,2-Dichlorobenzene
Concen: 0.924 ug/l
RT: 12.209 min Scan# 3395
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

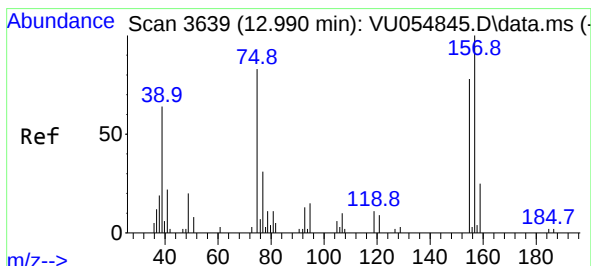
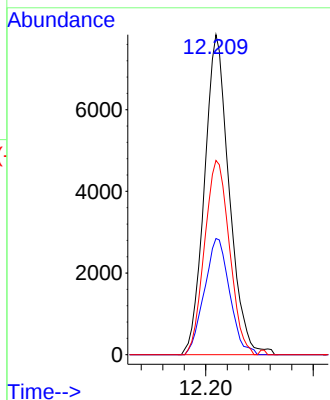
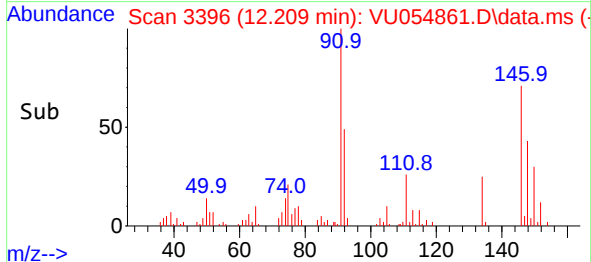
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



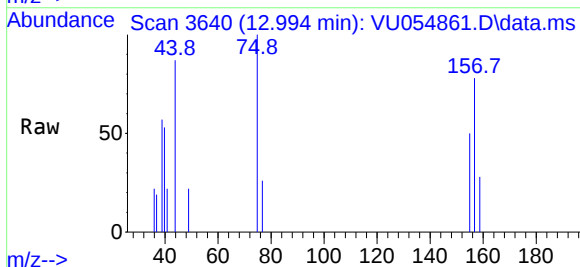
Tgt Ion:146 Resp: 12519
Ion Ratio Lower Upper
146 100
111 37.1 19.8 59.4
148 61.2 31.8 95.3

Manual Integrations
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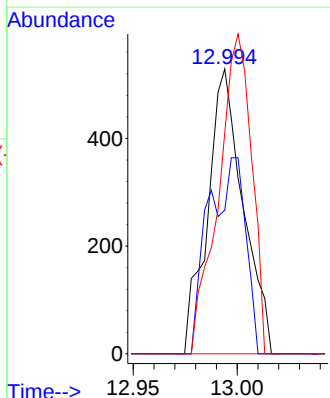
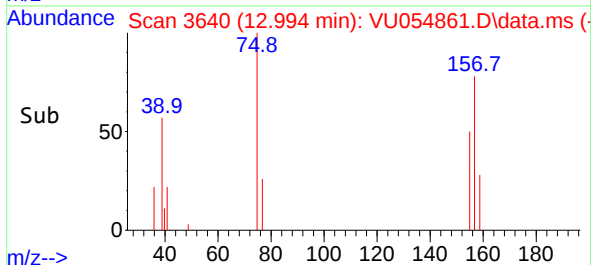
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

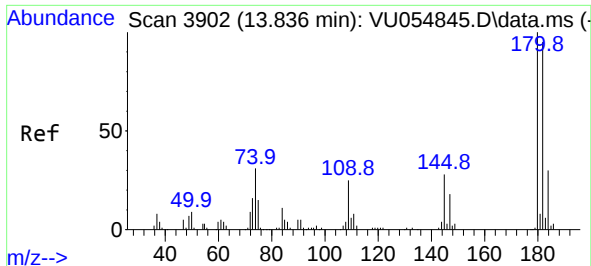


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.830 ug/l
RT: 12.994 min Scan# 3640
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



Tgt Ion: 75 Resp: 632
Ion Ratio Lower Upper
75 100
155 41.8 74.8 112.2#
157 104.3 97.4 146.0





#87

1,2,4-Trichlorobenzene

Concen: 0.811 ug/l

RT: 13.840 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

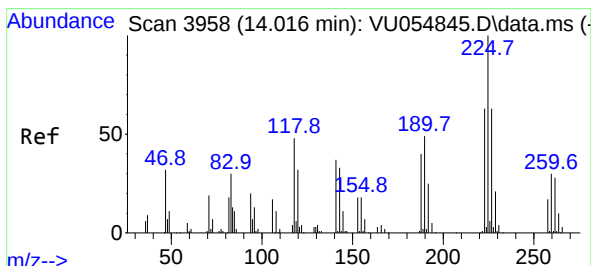
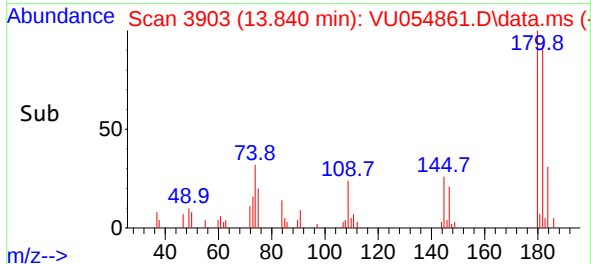
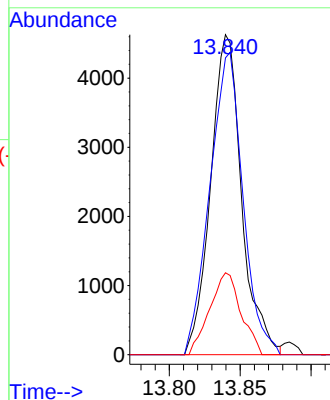
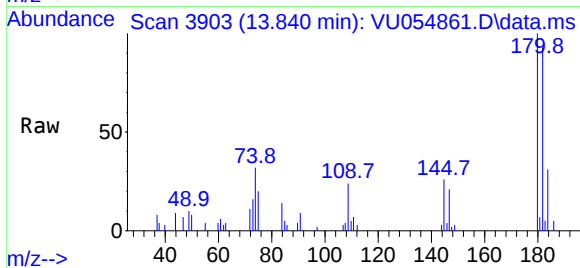
Tgt Ion:180	Resp:	7039
Ion Ratio	Lower	Upper
180	100	
182	100.7	77.0 115.6
145	25.8	23.4 35.0

Manual Integrations

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Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#88

Hexachlorobutadiene

Concen: 0.860 ug/l

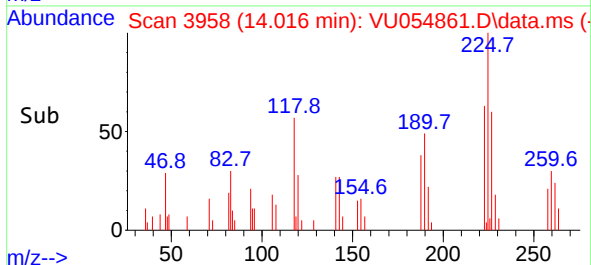
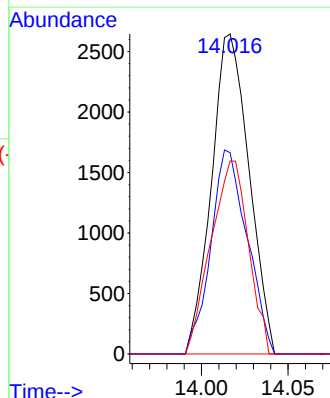
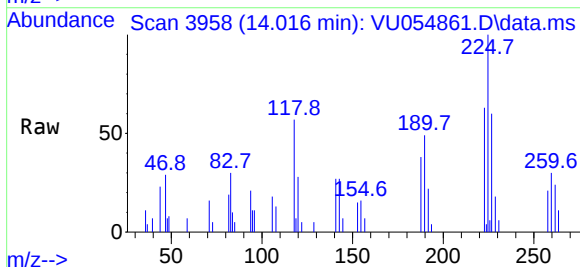
RT: 14.016 min Scan# 3958

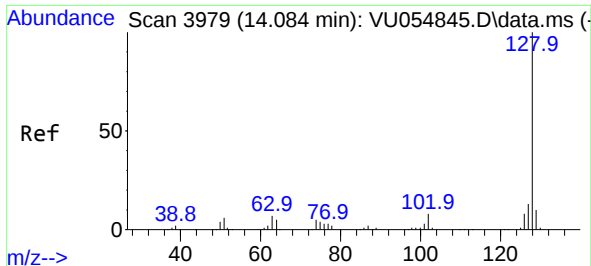
Delta R.T. 0.000 min

Lab File: VU054861.D

Acq: 24 Jul 2023 15:53

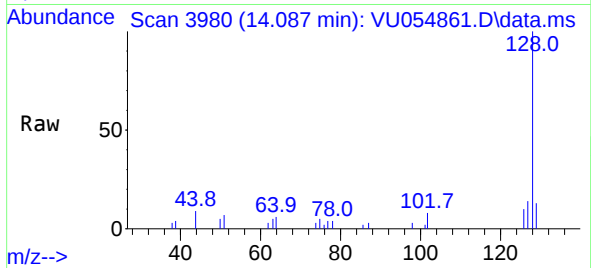
Tgt Ion:225	Resp:	3989
Ion Ratio	Lower	Upper
225	100	
223	61.8	50.6 76.0
227	60.3	50.7 76.1





#89
Naphthalene
Concen: 0.749 ug/l
RT: 14.087 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53

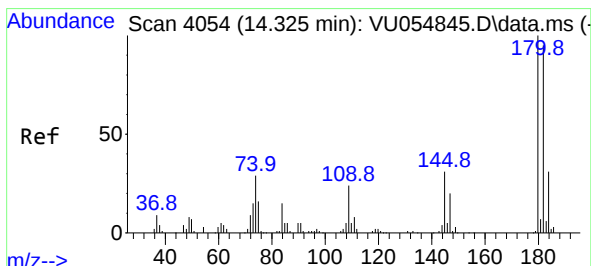
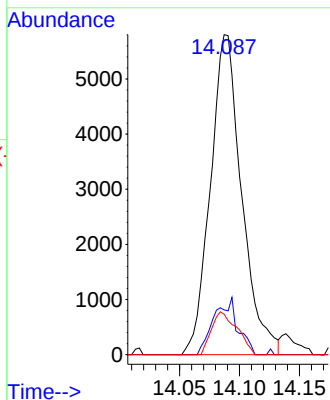
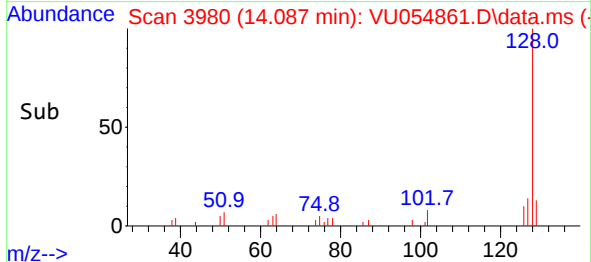
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



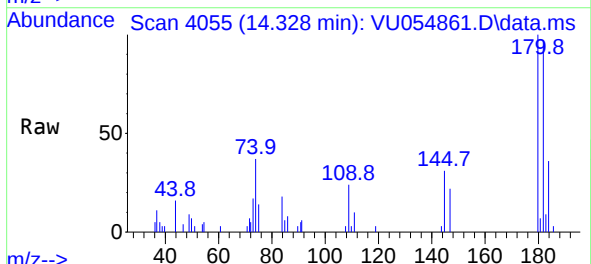
Tgt Ion:128 Resp: 1051
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 10.9 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#90
1,2,3-Trichlorobenzene
Concen: 0.788 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.004 min
Lab File: VU054861.D
Acq: 24 Jul 2023 15:53



Tgt Ion:180 Resp: 5914
Ion Ratio Lower Upper
180 100
182 94.0 76.0 114.0
145 30.2 24.3 36.5

