

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
 Data File : VU054899.D
 Acq On : 27 Jul 2023 17:18
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 06:43:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 28 06:40:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.114	96	25522	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	7956	1.028	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9435	1.079	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	4300	0.885	ug/l	97
3) Chloromethane	1.516	50	5095	0.933	ug/l	94
4) Vinyl Chloride	1.599	62	7039	0.965	ug/l	92
5) Bromomethane	1.853	94	4993	0.863	ug/l	97
6) Chloroethane	1.930	64	6096	0.809	ug/l	98
7) Trichlorofluoromethane	2.133	101	13876	0.810	ug/l	89
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	4841	0.872	ug/l	99
9) 1,1-Dichloroethene	2.577	96	3703	0.840	ug/l	90
10) Iodomethane	2.718	142	5155	0.749	ug/l	93
11) Allyl Chloride	2.921	41	4365	0.829	ug/l	95
12) Acrylonitrile	3.332	53	1547m	1.399	ug/l	
13) Acetone	2.654	43	5050m	4.369	ug/l	
14) Carbon Disulfide	2.789	76	6175	0.809	ug/l	# 86
15) Methylene Chloride	3.043	84	7556	1.229	ug/l	97
16) trans-1,2-Dichloroethene	3.355	96	4777	0.996	ug/l	87
17) 1,1-Dichloroethane	3.869	63	9398	0.876	ug/l	# 93
18) 2-Butanone	4.731	43	6491m	4.452	ug/l	
19) Cyclohexane	5.380	56	5954m	0.986	ug/l	
20) Methylcyclohexane	6.760	83	6637	0.822	ug/l	96
21) 2,2-Dichloropropane	4.667	77	7923	0.797	ug/l	93
22) cis-1,2-Dichloroethene	4.667	96	5731	0.899	ug/l	93
23) Diethyl Ether	2.374	59	6259	0.963	ug/l	98
24) tert-Butyl Alcohol	3.223	59	5860m	9.690	ug/l	
25) Methyl tert-Butyl Ether	3.368	73	14111	1.035	ug/l	100
26) Bromochloromethane	4.982	128	2520	0.964	ug/l	# 86
27) Chloroform	5.091	83	10970	0.952	ug/l	99
28) 1,1,1-Trichloroethane	5.313	97	8575	0.862	ug/l	96
29) 1,1-Dichloropropene	5.525	75	6654	0.906	ug/l	95
30) Carbon Tetrachloride	5.519	117	6196	0.746	ug/l	93
31) Isopropyl Ether	3.995	45	14351	0.906	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	15433	0.946	ug/l	98
33) Tert-Amyl methyl ether	5.940	73	13820	0.896	ug/l	98
34) Propionitrile	4.821	54	1573m	3.913	ug/l	
35) Benzene	5.773	78	20281	0.882	ug/l	95
36) 1,2-Dichloroethane	5.792	62	6059	0.927	ug/l	# 87
37) Trichloroethene	6.538	130	5594	0.905	ug/l	91
38) 1,2-Dichloropropane	6.789	63	5613	0.864	ug/l	98
39) Methacrylonitrile	4.988	41	1191	0.739	ug/l	# 73
40) Methyl acrylate	4.876	55	2355	0.919	ug/l	# 72
41) Tetrahydrofuran	5.088	42	1884m	2.045	ug/l	
42) 1-Chlorobutane	5.458	56	8905	0.926	ug/l	98
43) Dibromomethane	6.917	93	2981	0.977	ug/l	96
44) Bromodichloromethane	7.101	83	7444	0.875	ug/l	94

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :
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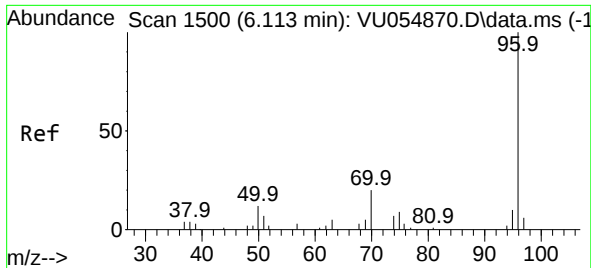
Quant Time: Jul 28 06:43:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
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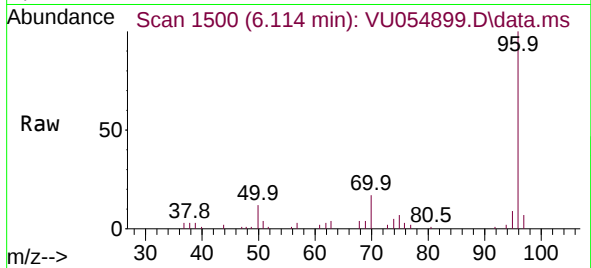
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45) 4-Methyl-2-Pentanone	7.792	43	18680	5.245	ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	2978m	2.078	ug/l	
47) Methyl methacrylate	6.962	69	5501	1.971	ug/l	97
48) Ethyl methacrylate	8.335	69	5314	0.942	ug/l	99
49) Toluene	7.966	92	13085	0.894	ug/l	100
50) t-1,3-Dichloropropene	8.213	75	7073	0.937	ug/l	92
51) cis-1,3-Dichloropropene	7.605	75	7946	0.856	ug/l #	88
52) 1,1,2-Trichloroethane	8.400	97	4740	0.980	ug/l #	81
53) 1,3-Dichloropropane	8.573	76	7419	0.948	ug/l	89
54) 2-Hexanone	8.689	43	12217	4.828	ug/l	95
55) Dibromochloromethane	8.808	129	4932	0.890	ug/l	86
56) 1,2-Dibromoethane	8.924	107	4237	1.033	ug/l	97
58) Tetrachloroethene	8.554	164	5117	0.948	ug/l	92
59) Chlorobenzene	9.448	112	16145	0.909	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.535	131	5714	0.911	ug/l	98
61) Pentachloroethane	11.422	117	3708	0.757	ug/l	89
62) Hexachloroethane	12.473	117	3944	0.782	ug/l	96
63) Ethyl Benzene	9.570	91	26410	0.886	ug/l	95
64) m/p-Xylenes	9.692	106	19346	1.734	ug/l	97
65) o-Xylene	10.097	106	9838	0.859	ug/l	100
66) Styrene	10.117	104	15940	0.870	ug/l	96
67) Bromoform	10.287	173	2740	0.953	ug/l #	93
69) Isopropylbenzene	10.483	105	27296	0.887	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.779	83	5842	0.975	ug/l	98
71) 1,2,3-Trichloropropane	10.827	75	3843m	0.901	ug/l	
72) Bromobenzene	10.782	156	6565	0.958	ug/l	96
73) n-propylbenzene	10.904	120	6827	0.829	ug/l	93
74) 2-Chlorotoluene	10.985	126	6727	0.944	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	21953	0.881	ug/l	100
76) 4-Chlorotoluene	11.097	126	6618	0.894	ug/l	96
77) tert-Butylbenzene	11.419	119	22291	0.860	ug/l	95
78) 1,2,4-Trimethylbenzene	11.467	105	22286	0.874	ug/l	95
79) sec-Butylbenzene	11.641	105	27872	0.828	ug/l	100
80) Nitrobenzene	13.219	77	681	4.328	ug/l #	54
81) p-Isopropyltoluene	11.792	119	21416	0.806	ug/l	97
82) 1,3-Dichlorobenzene	11.747	146	14069	0.965	ug/l	98
83) 1,4-Dichlorobenzene	11.837	146	13599	0.936	ug/l	98
84) n-Butylbenzene	12.210	91	18545	0.777	ug/l	99
85) 1,2-Dichlorobenzene	12.210	146	13128	0.939	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	703	0.883	ug/l	90
87) 1,2,4-Trichlorobenzene	13.840	180	7909	0.887	ug/l	94
88) Hexachlorobutadiene	14.017	225	4766	1.002	ug/l	90
89) Naphthalene	14.091	128	11487	0.832	ug/l	97
90) 1,2,3-Trichlorobenzene	14.329	180	7511	0.950	ug/l	95

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.114 min Scan# 1500
Delta R.T. 0.001 min
Lab File: VU054899.D
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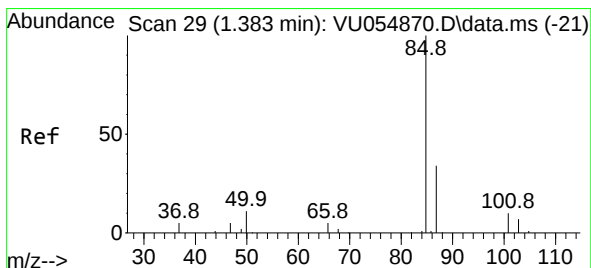
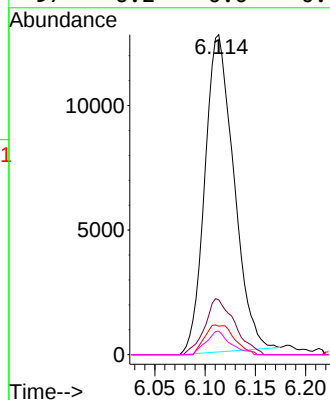
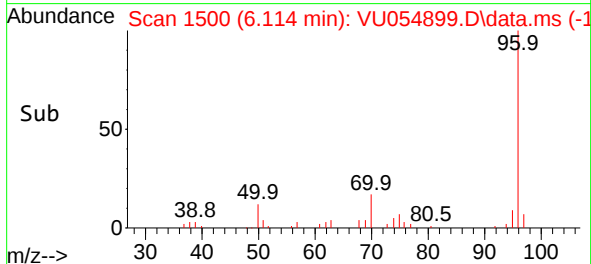
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 96 Resp: 2552
Ion Ratio Lower Upper
96 100
70 18.1 14.0 21.0
95 9.5 8.7 13.1
97 6.2 0.0 0.0#

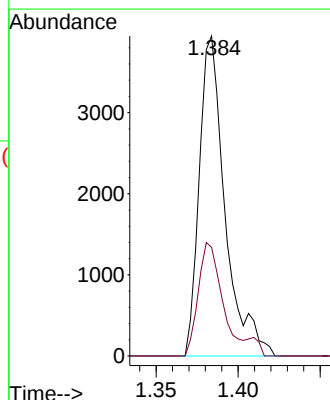
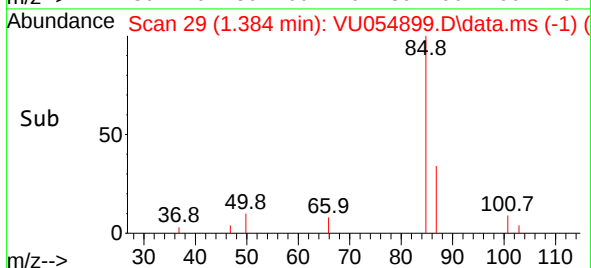
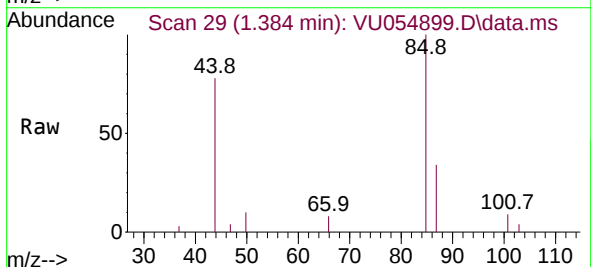
Manual Integrations
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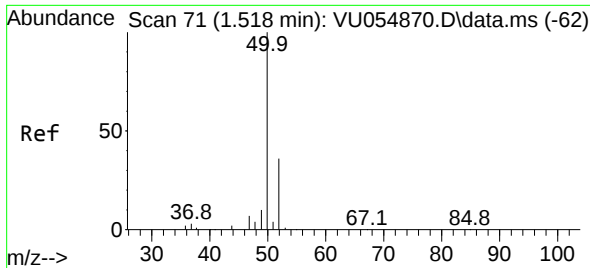
Reviewed By :John Carlone 07/28/2023
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#2
Dichlorodifluoromethane
Concen: 0.885 ug/l
RT: 1.384 min Scan# 29
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

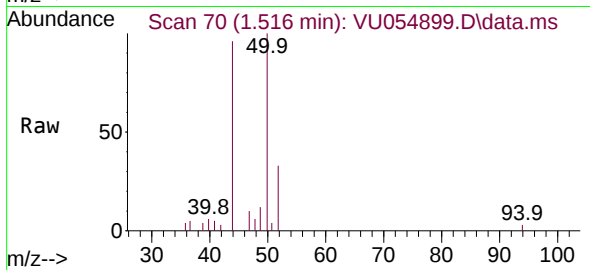
Tgt Ion: 85 Resp: 4300
Ion Ratio Lower Upper
85 100
87 33.9 16.2 48.6





#3
Chloromethane
Concen: 0.933 ug/l
RT: 1.516 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

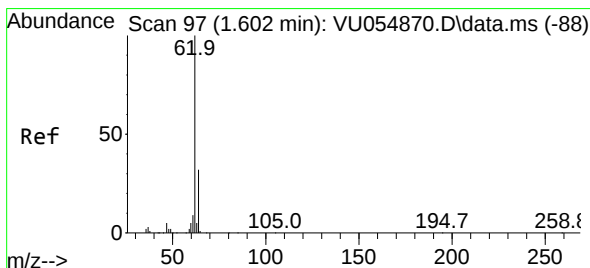
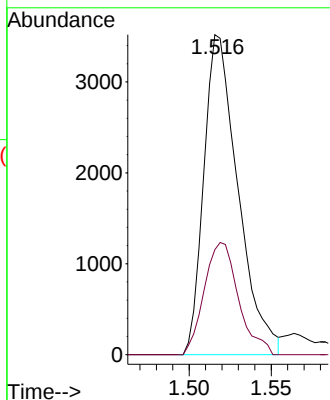
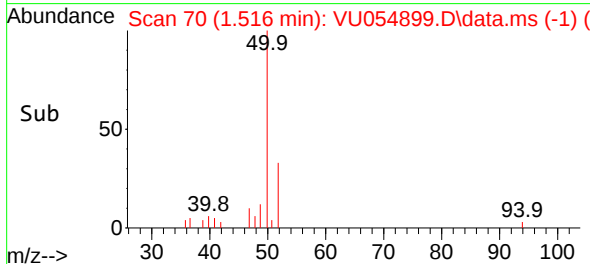
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



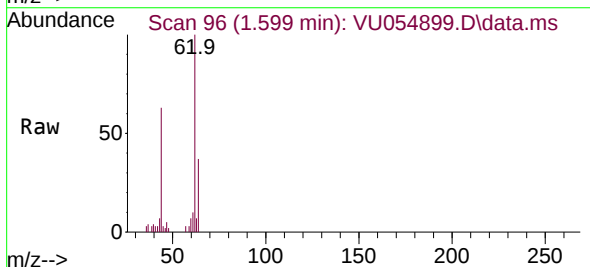
Tgt Ion: 50 Resp: 509
Ion Ratio Lower Upper
50 100
52 31.5 28.2 42.2

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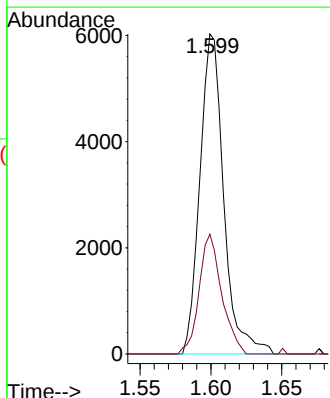
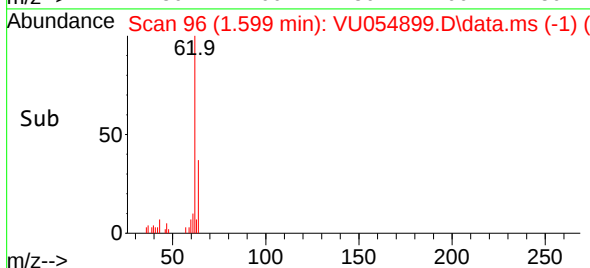
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

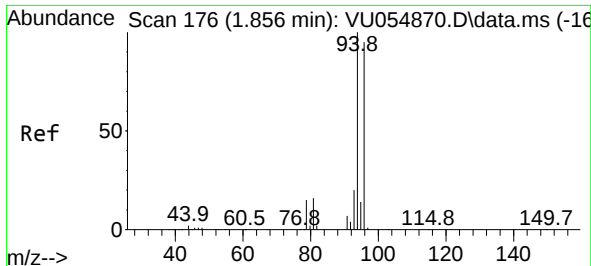


#4
Vinyl Chloride
Concen: 0.965 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



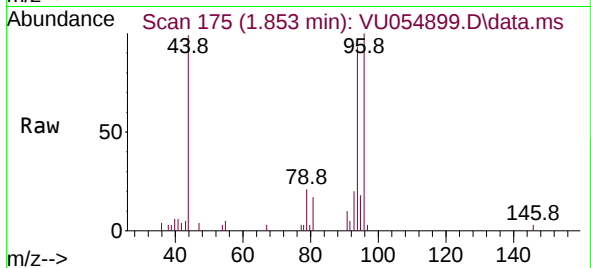
Tgt Ion: 62 Resp: 7039
Ion Ratio Lower Upper
62 100
64 37.4 26.4 39.6





#5
Bromomethane
Concen: 0.863 ug/l
RT: 1.853 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

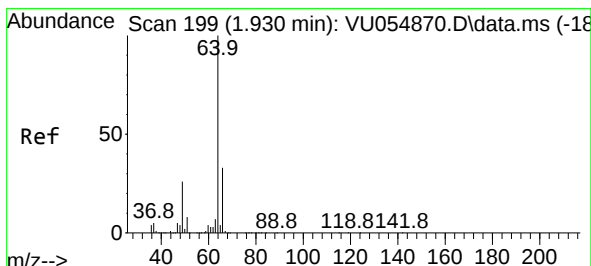
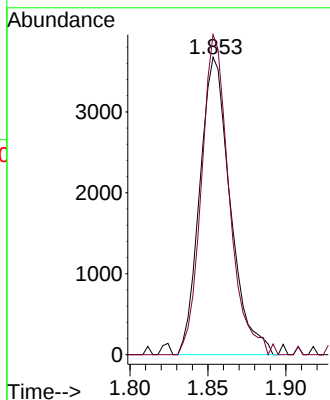
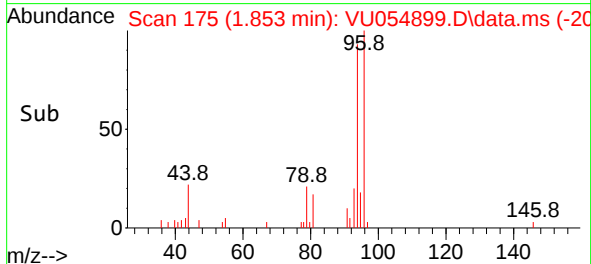
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 94 Resp: 499
Ion Ratio Lower Upper
94 100
96 90.5 74.6 111.8

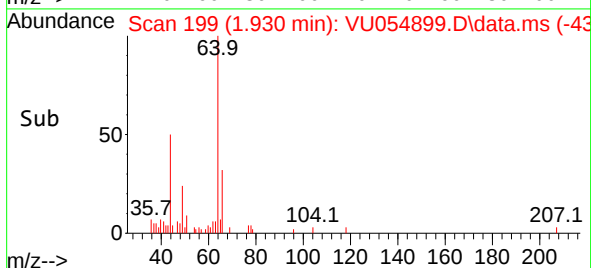
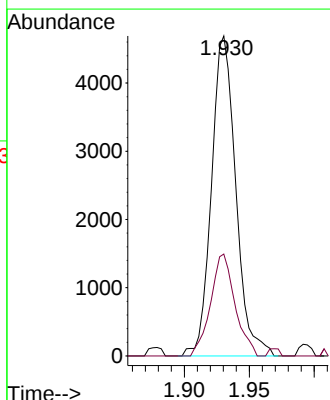
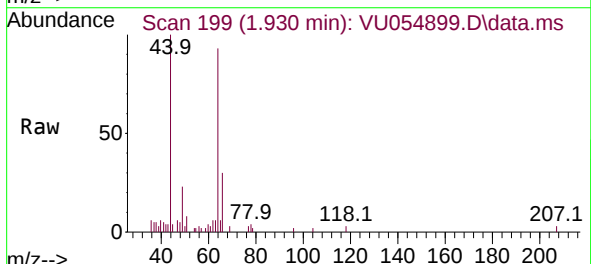
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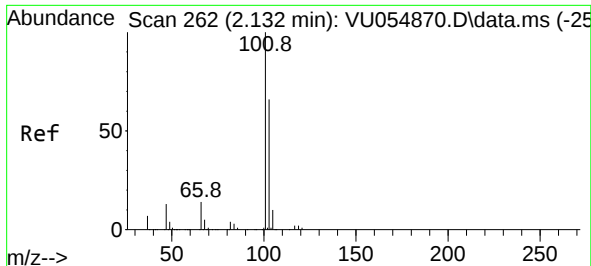
Reviewed By :John Carlone 07/28/2023
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#6
Chloroethane
Concen: 0.809 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

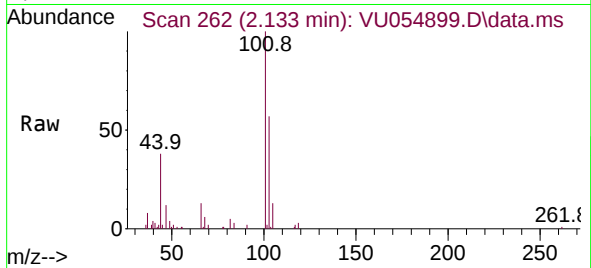
Tgt Ion: 64 Resp: 6096
Ion Ratio Lower Upper
64 100
66 31.9 26.2 39.4





#7
 Trichlorofluoromethane
 Concen: 0.810 ug/l
 RT: 2.133 min Scan# 201
 Delta R.T. 0.001 min
 Lab File: VU054899.D
 Acq: 27 Jul 2023 17:18

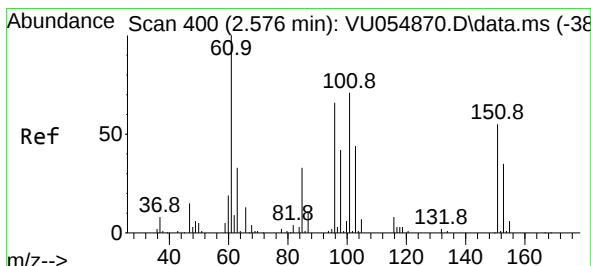
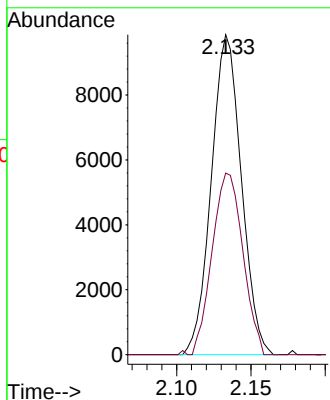
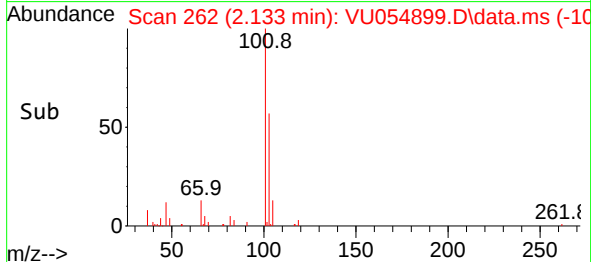
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK



Tgt Ion:101 Resp: 13870
 Ion Ratio Lower Upper
 101 100
 103 57.0 52.9 79.3

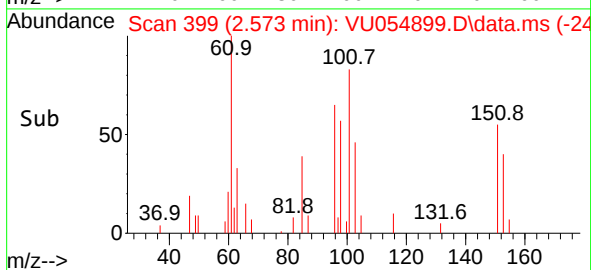
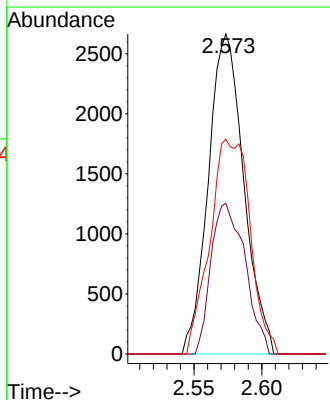
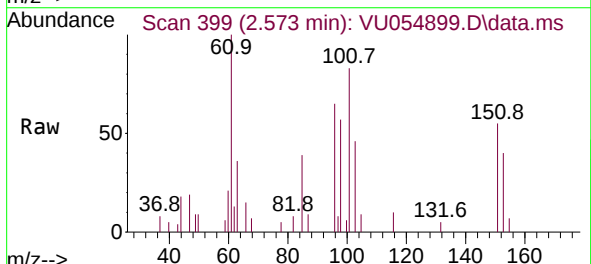
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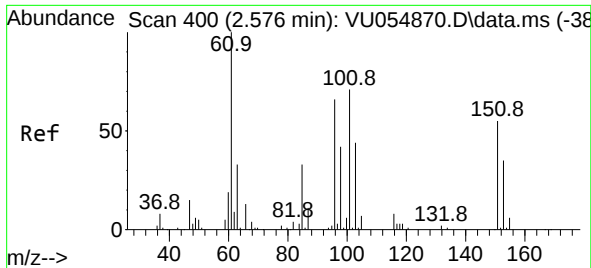
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.872 ug/l
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU054899.D
 Acq: 27 Jul 2023 17:18

Tgt Ion:101 Resp: 4841
 Ion Ratio Lower Upper
 101 100
 85 45.3 34.8 52.2
 151 76.1 60.5 90.7





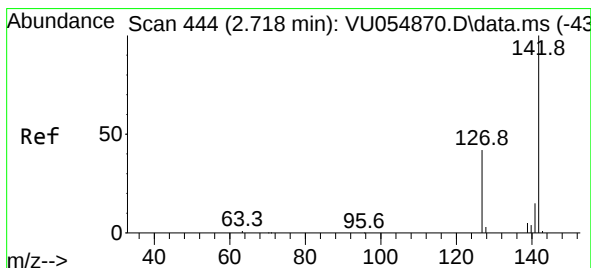
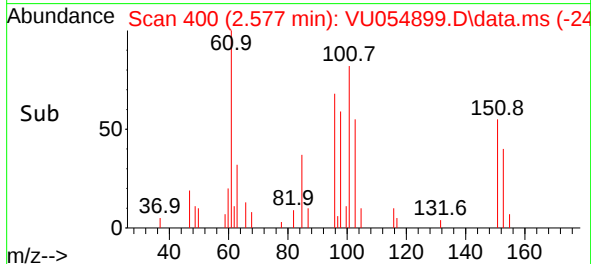
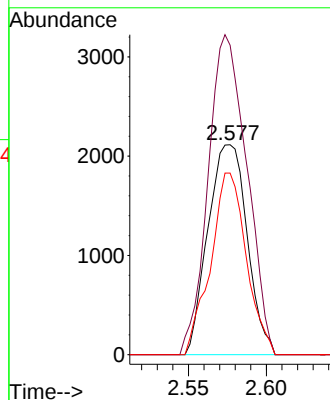
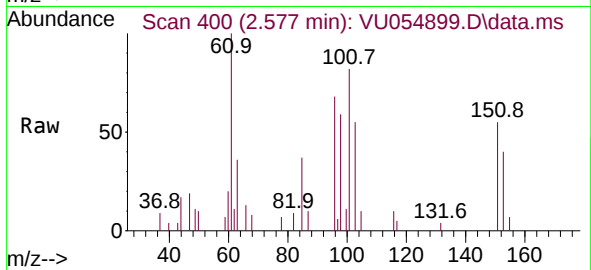
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1,1-Dichloroethene
Concen: 0.840 ug/l
RT: 2.577 min Scan# 400
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 96 Resp: 370
Ion Ratio Lower Upper
96 100
61 147.4 0.0 440.1
98 86.5 0.0 121.8

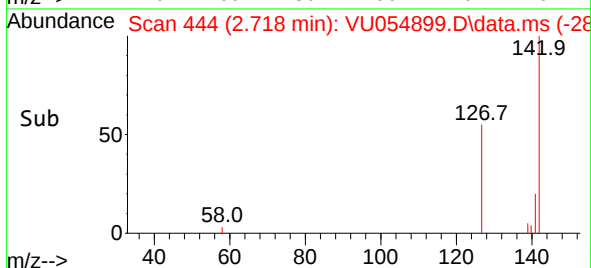
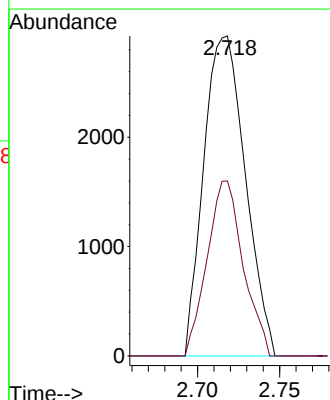
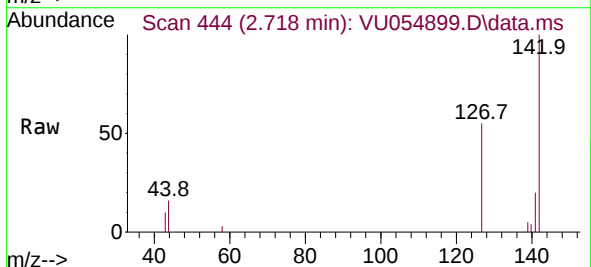
Manual Integrations
APPROVED

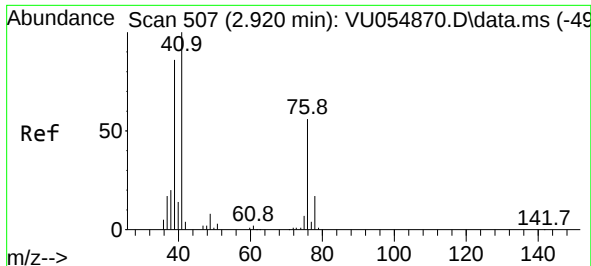
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#10
Iodomethane
Concen: 0.749 ug/l
RT: 2.718 min Scan# 444
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

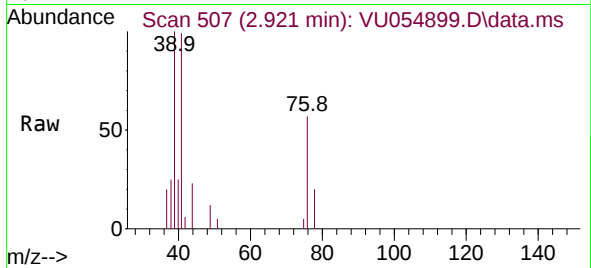
Tgt Ion:142 Resp: 5155
Ion Ratio Lower Upper
142 100
127 47.4 34.3 51.5





#11
 Allyl Chloride
 Concen: 0.829 ug/l
 RT: 2.921 min Scan# 507
 Delta R.T. 0.001 min
 Lab File: VU054899.D
 Acq: 27 Jul 2023 17:18

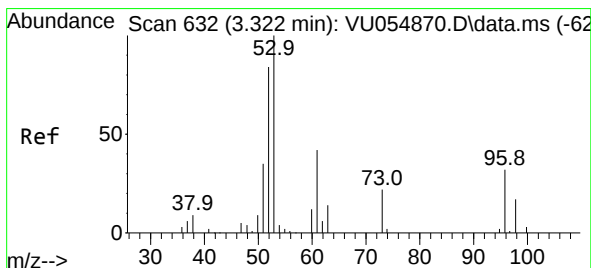
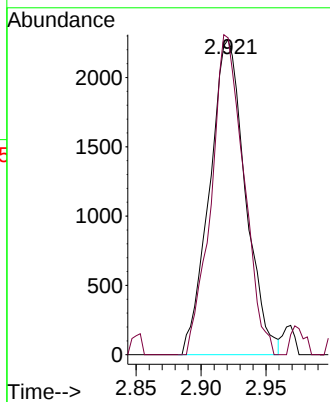
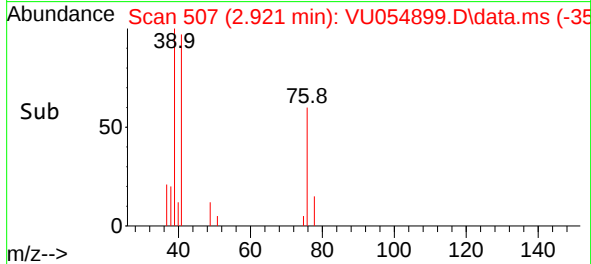
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK



Tgt Ion: 41 Resp: 436
 Ion Ratio Lower Upper
 41 100
 39 92.1 70.2 105.2

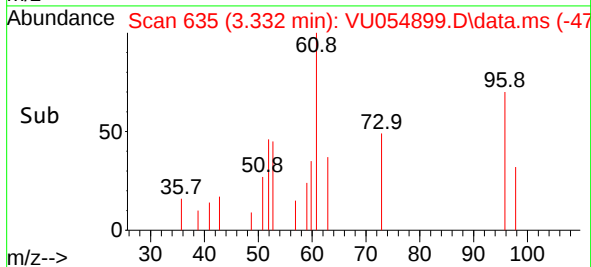
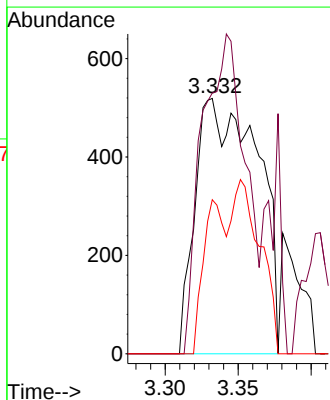
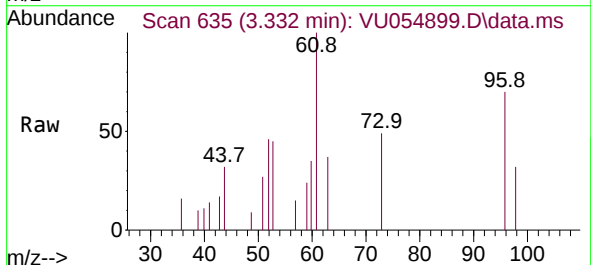
Manual Integrations
 APPROVED

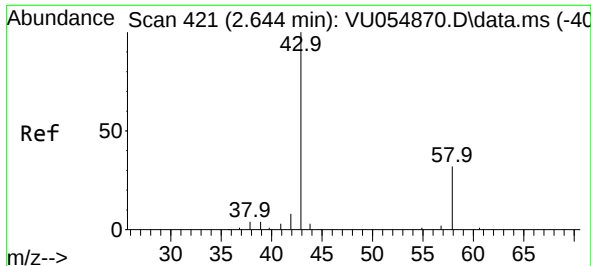
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#12
 Acrylonitrile
 Concen: 1.399 ug/l m
 RT: 3.332 min Scan# 635
 Delta R.T. 0.010 min
 Lab File: VU054899.D
 Acq: 27 Jul 2023 17:18

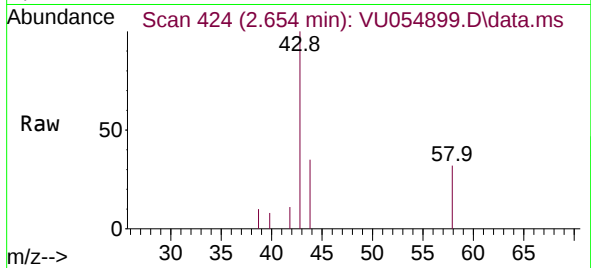
Tgt Ion: 53 Resp: 1547
 Ion Ratio Lower Upper
 53 100
 52 0.0 64.2 96.4#
 51 21.0 33.6 50.4#





#13
Acetone
Concen: 4.369 ug/l m
RT: 2.654 min Scan# 41
Delta R.T. 0.010 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

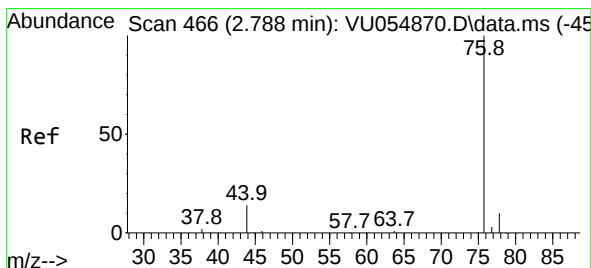
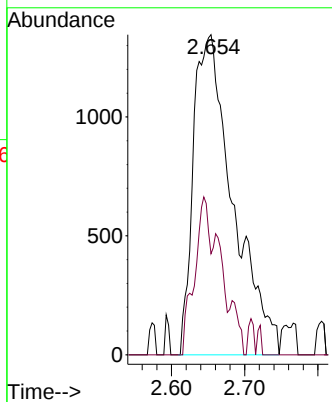
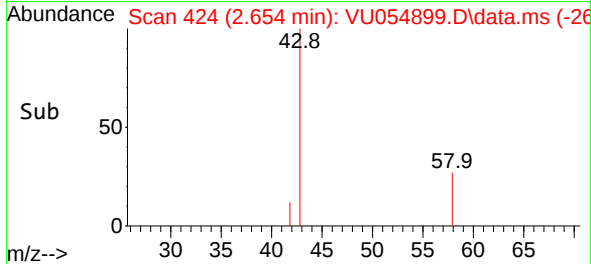
Instrument :
MSVOA_U
Client Sample Id :
RL-CHECK



Tgt Ion: 43 Resp: 5050
Ion Ratio Lower Upper
43 100
58 31.6 30.7 46.1

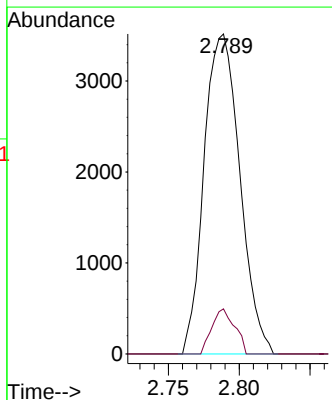
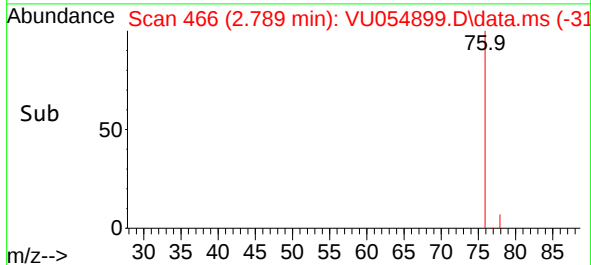
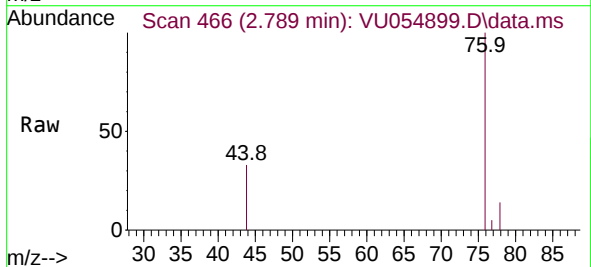
Manual Integrations
APPROVED

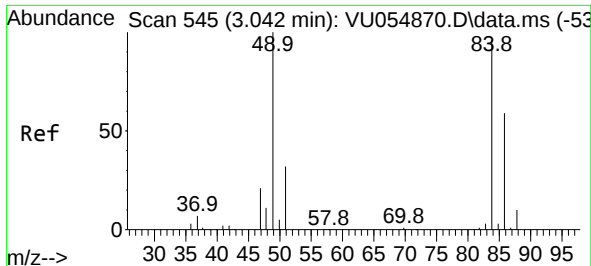
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#14
Carbon Disulfide
Concen: 0.809 ug/l
RT: 2.789 min Scan# 466
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

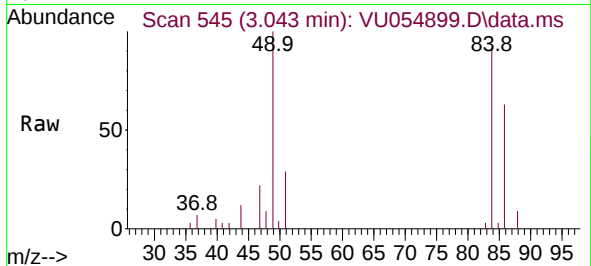
Tgt Ion: 76 Resp: 6175
Ion Ratio Lower Upper
76 100
78 14.1 7.1 10.7#





#15
Methylene Chloride
Concen: 1.229 ug/l
RT: 3.043 min Scan# 545
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

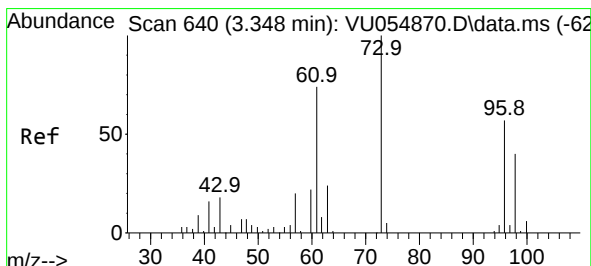
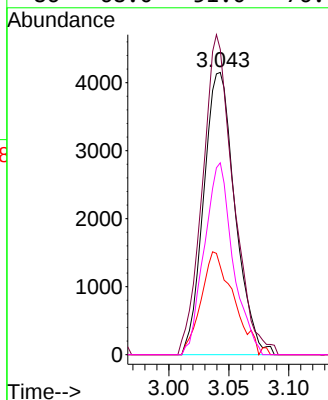
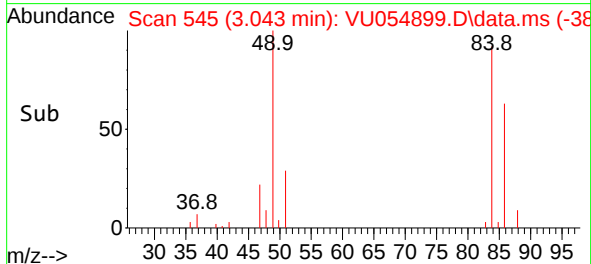
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 84 Resp: 7550
Ion Ratio Lower Upper
84 100
49 108.1 87.8 131.6
51 31.3 0.0 68.2
86 68.0 51.0 76.4

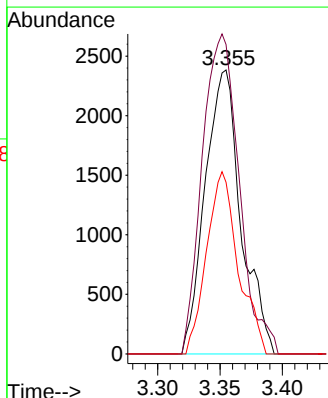
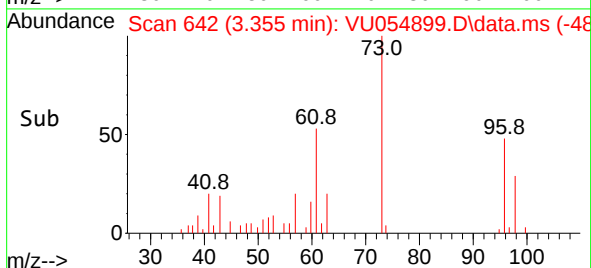
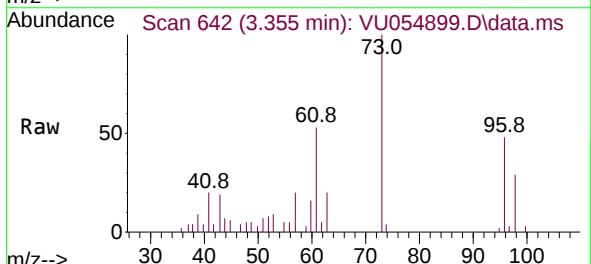
Manual Integrations
APPROVED

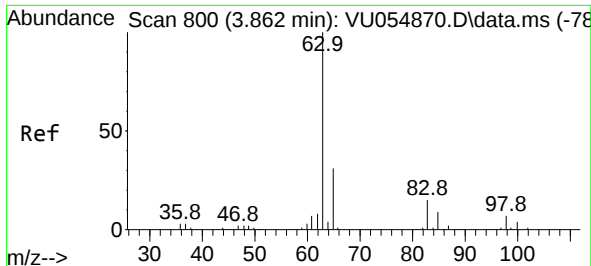
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#16
trans-1,2-Dichloroethene
Concen: 0.996 ug/l
RT: 3.355 min Scan# 642
Delta R.T. 0.007 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion: 96 Resp: 4777
Ion Ratio Lower Upper
96 100
61 102.6 96.4 144.6
98 56.9 49.3 73.9





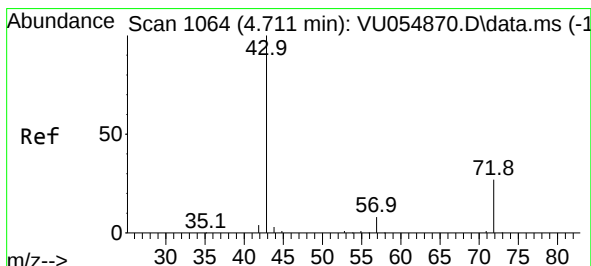
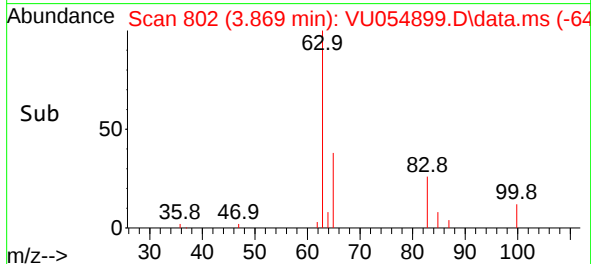
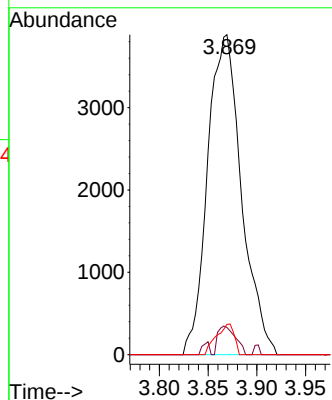
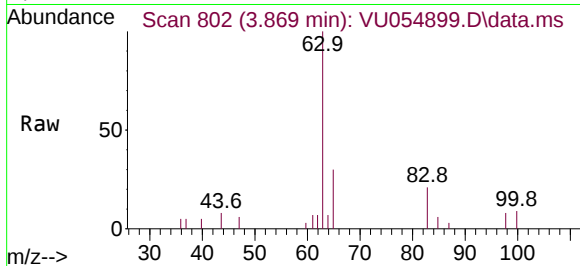
#17
1,1-Dichloroethane
Concen: 0.876 ug/l
RT: 3.869 min Scan# 800
Delta R.T. 0.007 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Instrument :
MSVOA_U
Client Sample Id :
RL-CHECK

Tgt Ion: 63 Resp: 9398
Ion Ratio Lower Upper
63 100
98 8.5 3.6 10.8
100 9.4 2.8 8.4

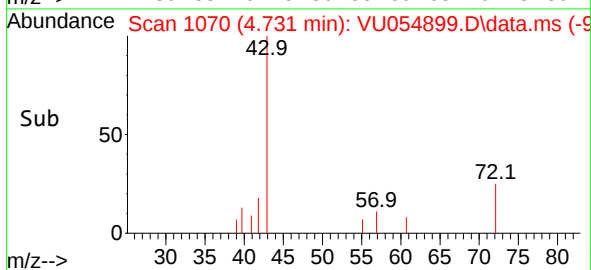
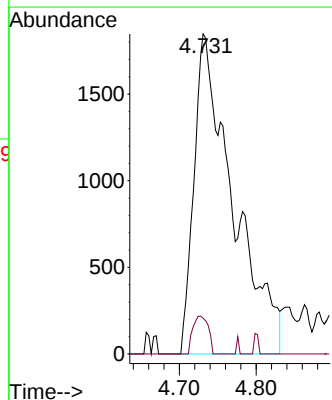
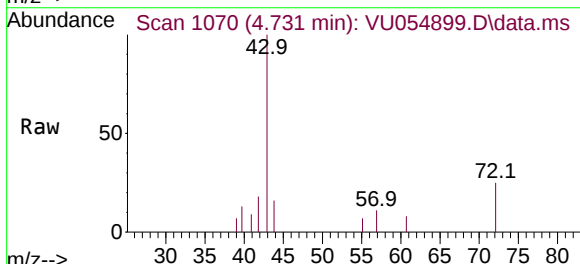
Manual Integrations
APPROVED

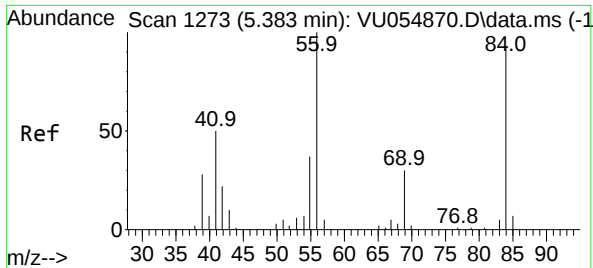
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
2-Butanone
Concen: 4.452 ug/l m
RT: 4.731 min Scan# 1070
Delta R.T. 0.020 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion: 43 Resp: 6491
Ion Ratio Lower Upper
43 100
57 11.2 0.0 20.8





#19

Cyclohexane

Concen: 0.986 ug/l m

RT: 5.380 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 56 Resp: 5954

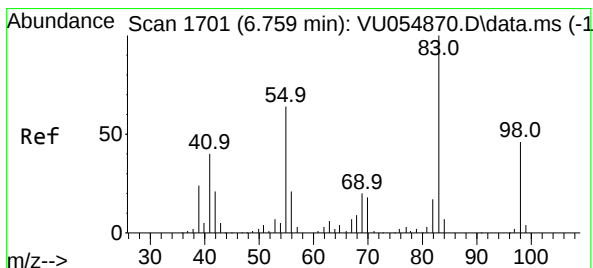
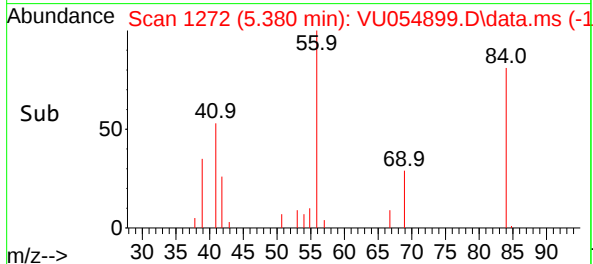
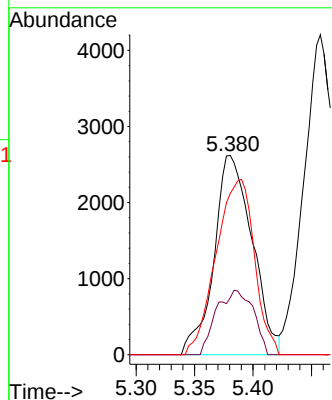
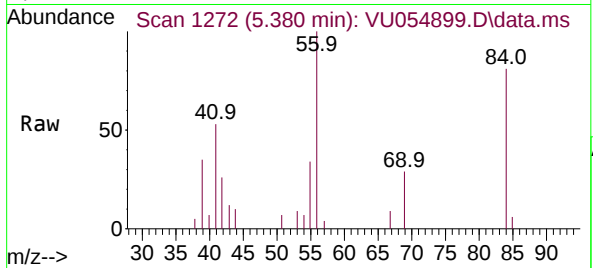
Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.7	37.1
84	88.2	76.5	114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#20

Methylcyclohexane

Concen: 0.822 ug/l

RT: 6.760 min Scan# 1701

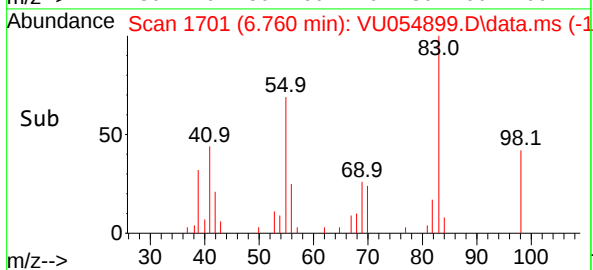
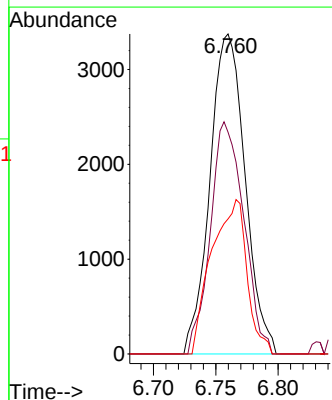
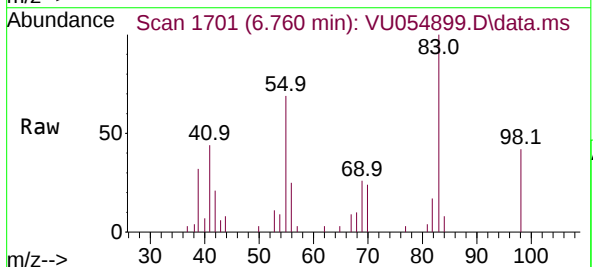
Delta R.T. 0.001 min

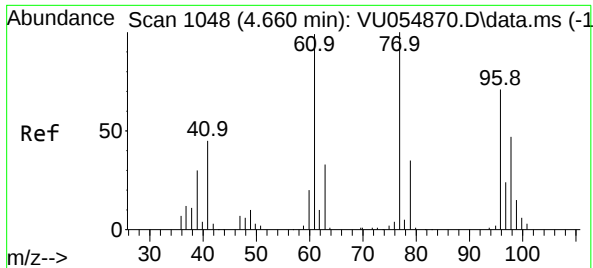
Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

Tgt Ion: 83 Resp: 6637

Ion	Ratio	Lower	Upper
83	100		
55	69.0	51.6	77.4
98	48.5	38.2	57.2





#21

2,2-Dichloropropane

Concen: 0.797 ug/l

RT: 4.667 min Scan# 1050

Delta R.T. 0.007 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 77 Resp: 792

Ion Ratio Lower Upper

77 100

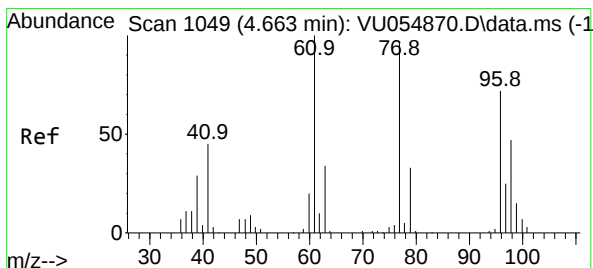
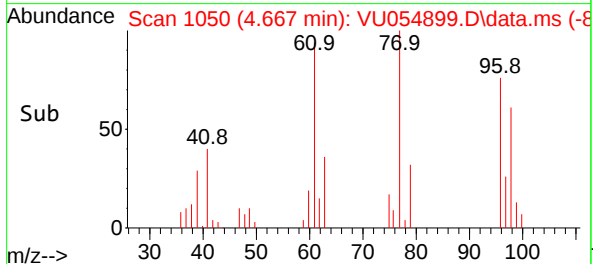
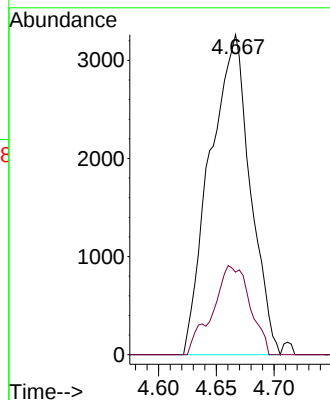
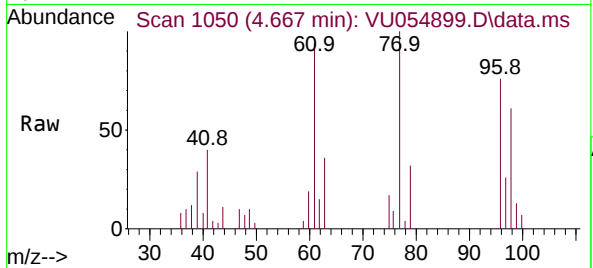
97 25.8 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#22

cis-1,2-Dichloroethene

Concen: 0.899 ug/l

RT: 4.667 min Scan# 1050

Delta R.T. 0.004 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

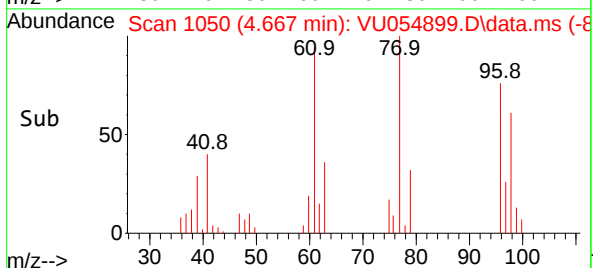
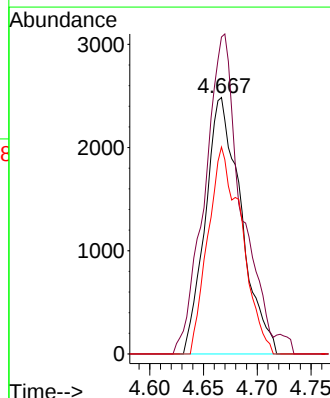
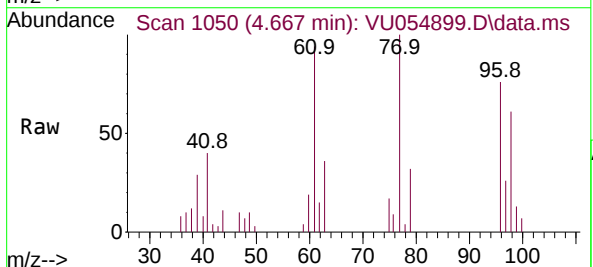
Tgt Ion: 96 Resp: 5731

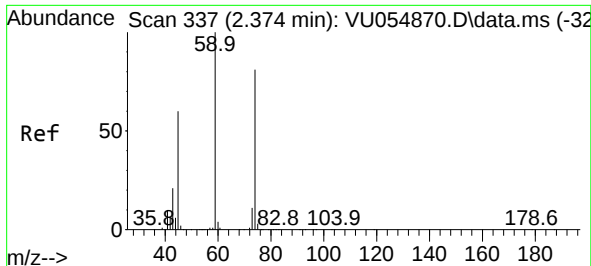
Ion Ratio Lower Upper

96 100

61 128.0 0.0 332.0

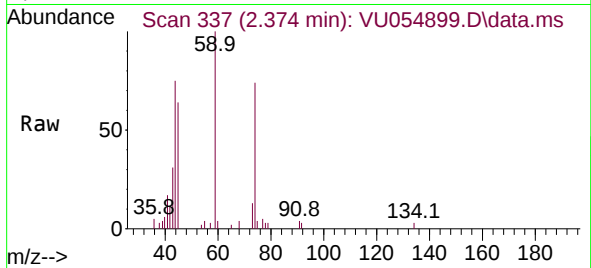
98 76.4 32.5 97.5





#23
Diethyl Ether
Concen: 0.963 ug/l
RT: 2.374 min Scan# 31
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

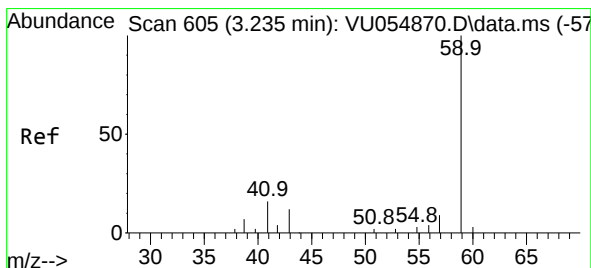
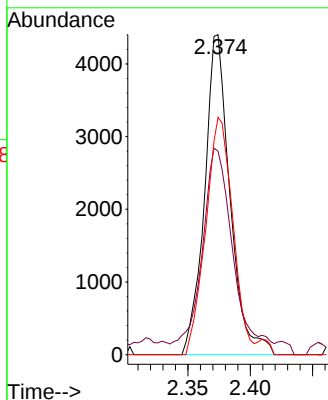
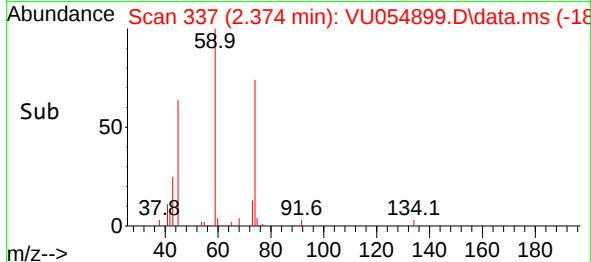
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 59 Resp: 6259
Ion Ratio Lower Upper
59 100
45 67.6 51.4 77.0
74 78.8 63.1 94.7

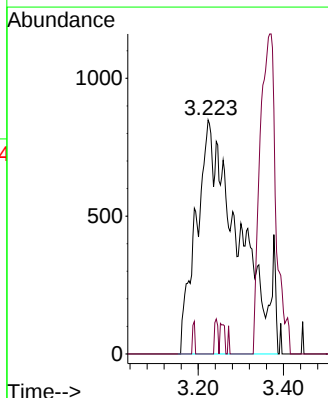
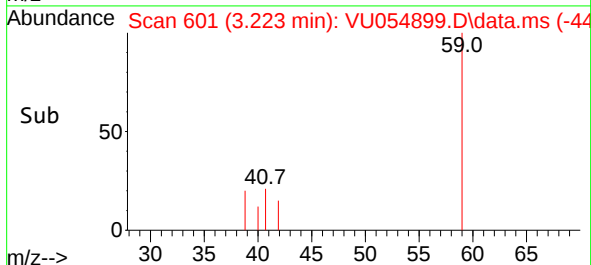
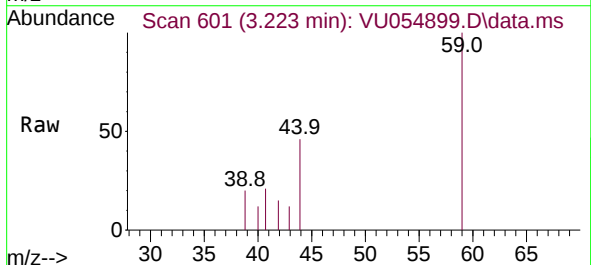
Manual Integrations
APPROVED

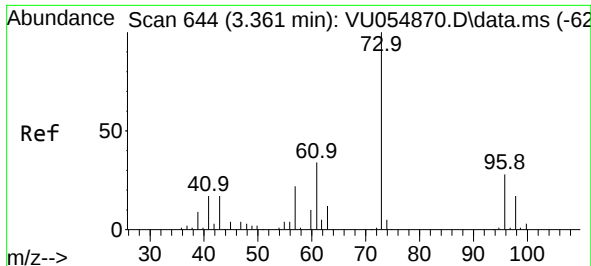
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#24
tert-Butyl Alcohol
Concen: 9.690 ug/l m
RT: 3.223 min Scan# 601
Delta R.T. -0.012 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

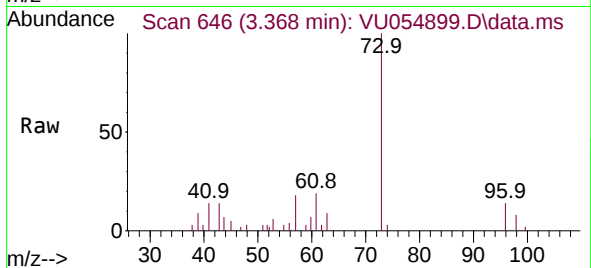
Tgt Ion: 59 Resp: 5860
Ion Ratio Lower Upper
59 100
57 0.0 2.2 3.2#





#25
Methyl tert-Butyl Ether
Concen: 1.035 ug/l
RT: 3.368 min Scan# 644
Delta R.T. 0.007 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

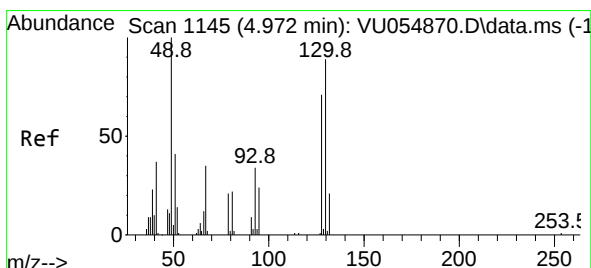
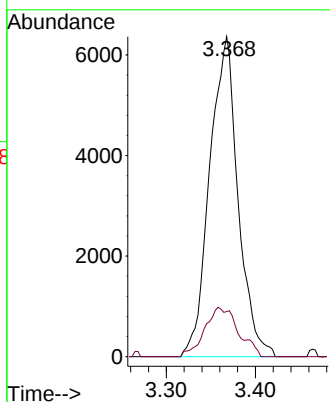
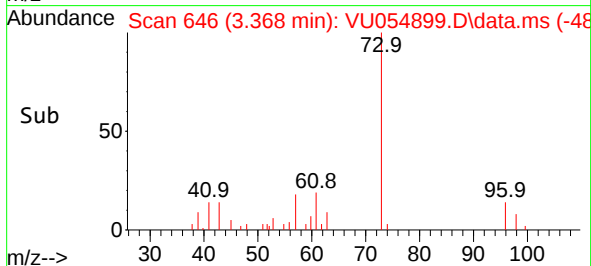
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 73 Resp: 1411
Ion Ratio Lower Upper
73 100
43 18.2 14.6 22.0

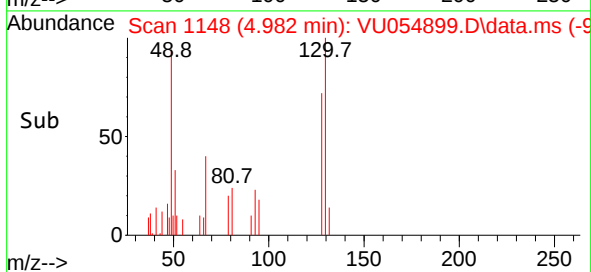
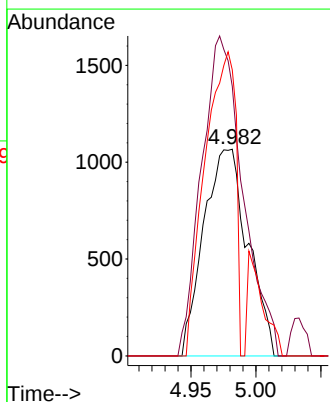
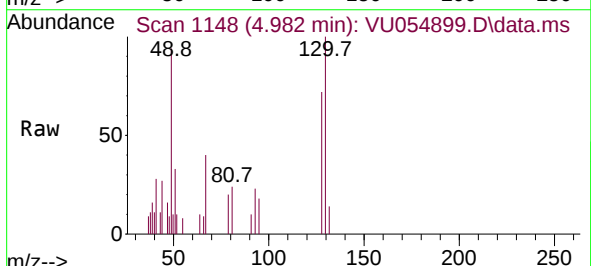
Manual Integrations
APPROVED

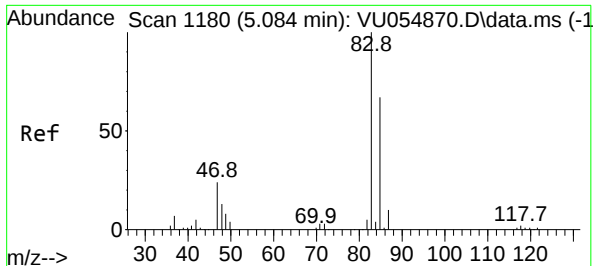
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#26
Bromochloromethane
Concen: 0.964 ug/l
RT: 4.982 min Scan# 1148
Delta R.T. 0.010 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion:128 Resp: 2520
Ion Ratio Lower Upper
128 100
49 145.0 0.0 304.0
130 102.7 104.3 156.5#





#27

Chloroform

Concen: 0.952 ug/l

RT: 5.091 min Scan# 1180

Delta R.T. 0.007 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 83 Resp: 10970

Ion Ratio Lower Upper

83 100

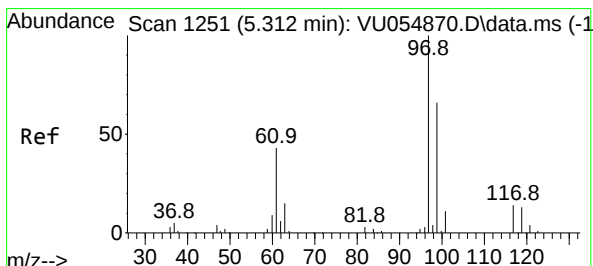
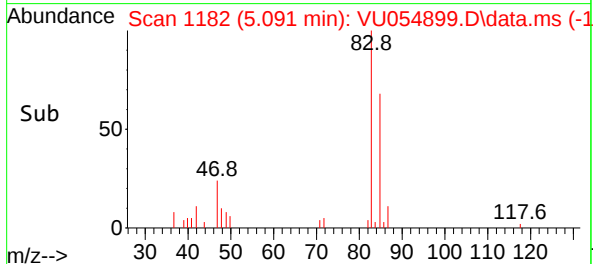
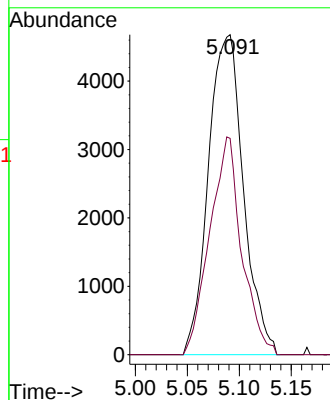
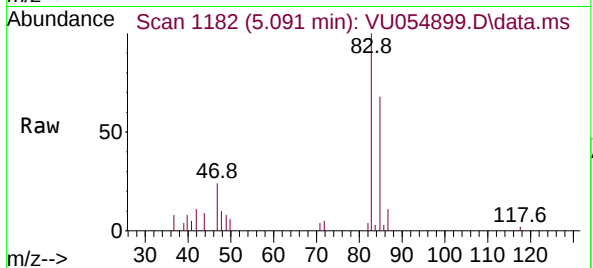
85 68.3 0.0 135.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#28

1,1,1-Trichloroethane

Concen: 0.862 ug/l

RT: 5.313 min Scan# 1251

Delta R.T. 0.001 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

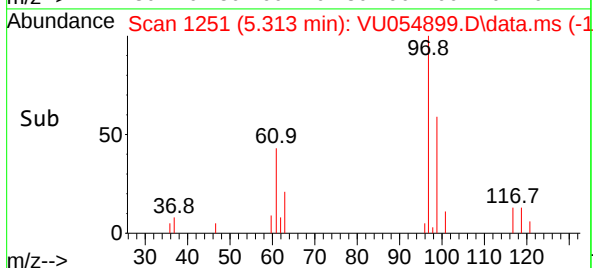
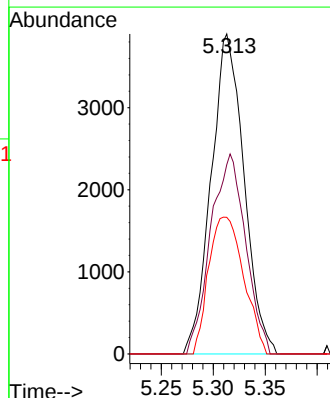
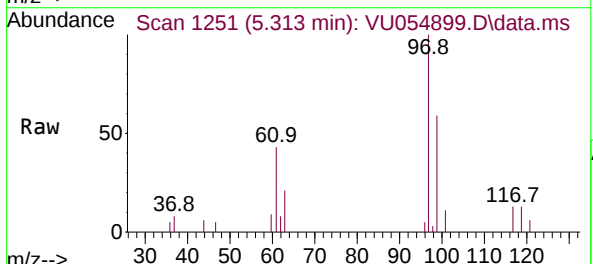
Tgt Ion: 97 Resp: 8575

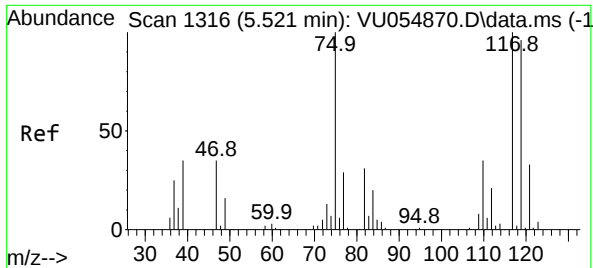
Ion Ratio Lower Upper

97 100

99 66.4 32.0 96.2

61 45.6 21.0 63.0





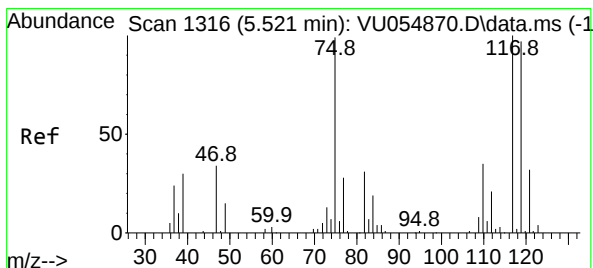
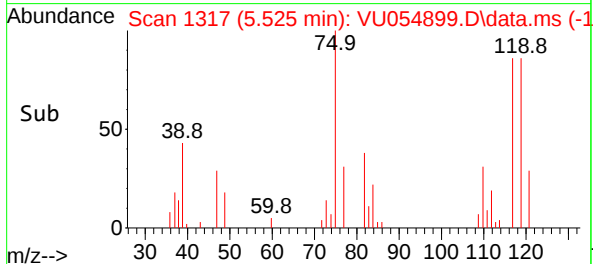
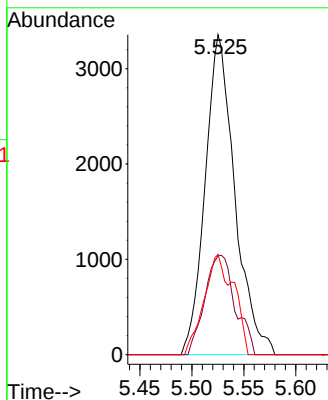
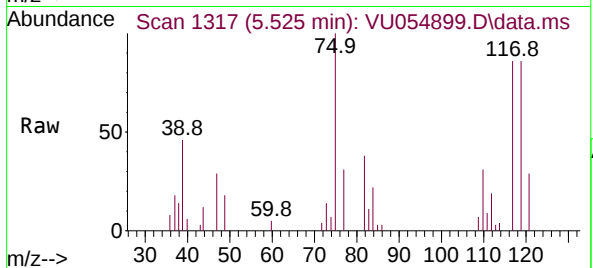
#29
1,1-Dichloropropene
Concen: 0.906 ug/l
RT: 5.525 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 75 Resp: 6654
Ion Ratio Lower Upper
75 100
110 31.9 18.5 55.5
77 31.2 24.9 37.3

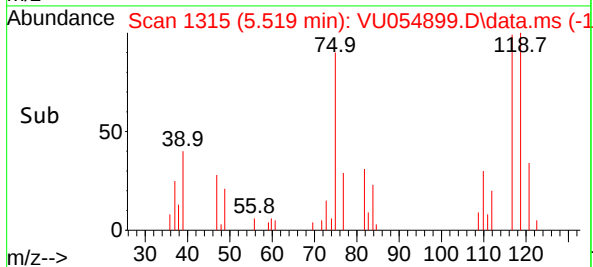
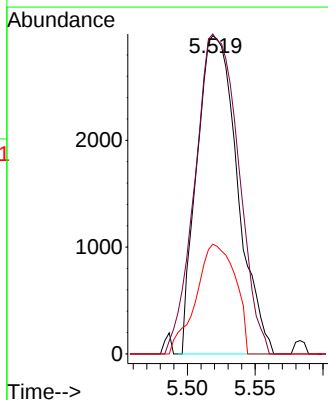
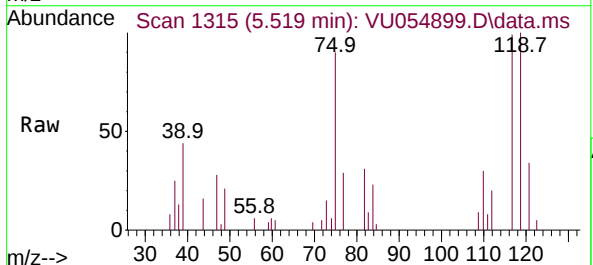
Manual Integrations
APPROVED

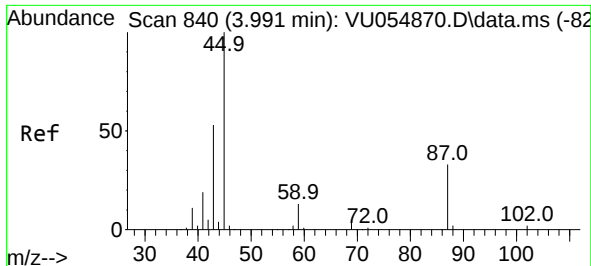
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#30
Carbon Tetrachloride
Concen: 0.746 ug/l
RT: 5.519 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion:117 Resp: 6196
Ion Ratio Lower Upper
117 100
119 100.5 75.6 113.4
121 34.5 23.4 35.0





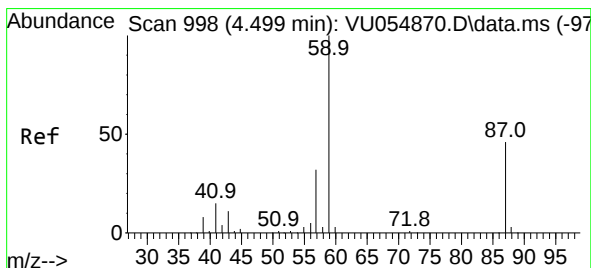
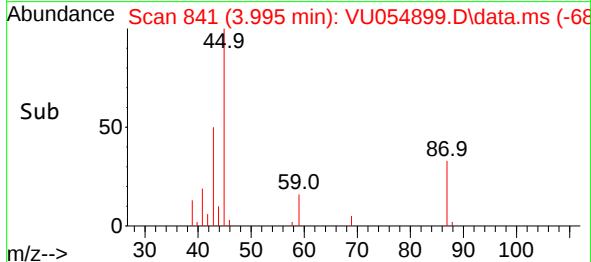
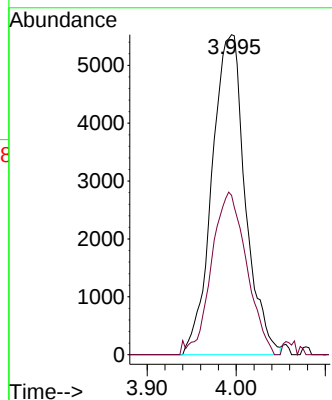
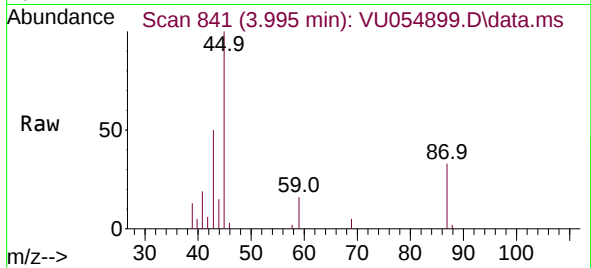
#31
Isopropyl Ether
Concen: 0.906 ug/l
RT: 3.995 min Scan# 841
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 45 Resp: 1435
Ion Ratio Lower Upper
45 100
43 53.6 26.4 79.2

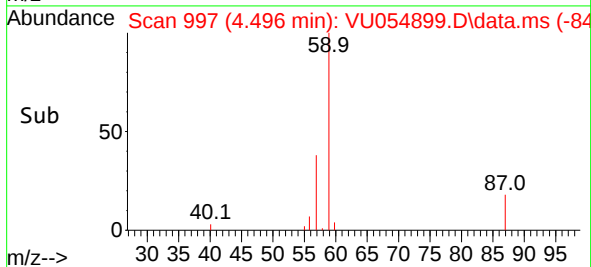
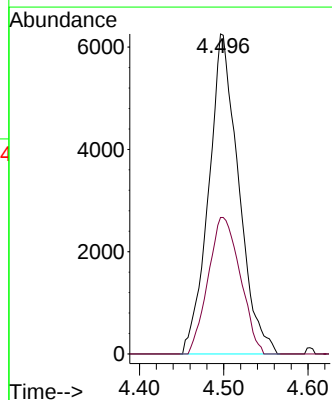
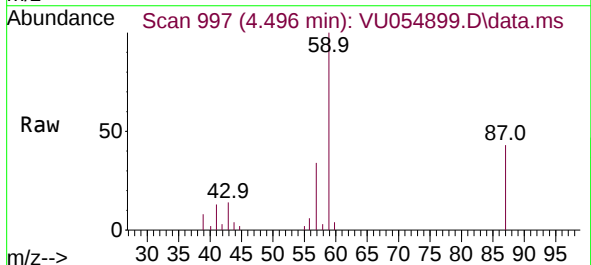
Manual Integrations
APPROVED

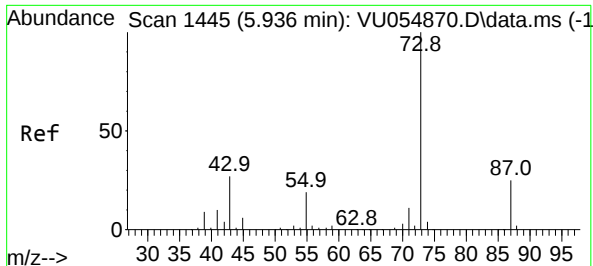
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#32
Ethyl-t-butyl ether
Concen: 0.946 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.003 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion: 59 Resp: 15433
Ion Ratio Lower Upper
59 100
87 45.6 35.7 53.5





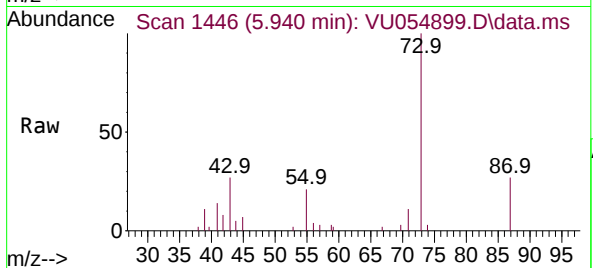
#33
Tert-Amyl methyl ether
Concen: 0.896 ug/l
RT: 5.940 min Scan# 1445
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



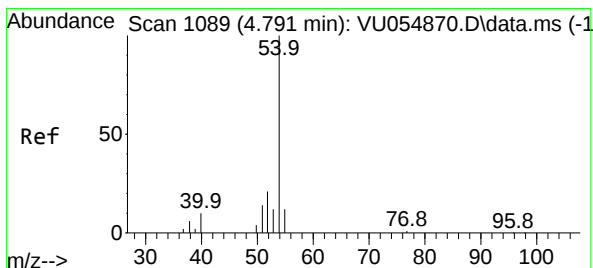
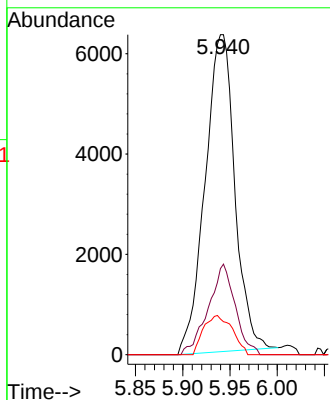
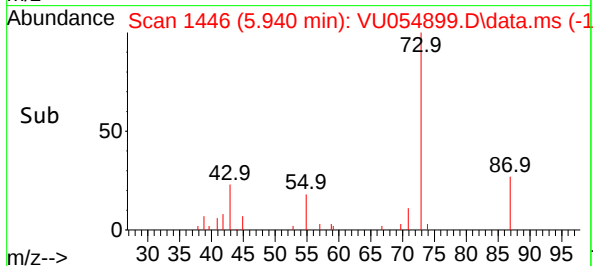
Tgt Ion: 73 Resp: 13820
Ion Ratio Lower Upper
73 100
87 25.8 19.6 29.4
71 12.0 9.1 13.7

Manual Integrations

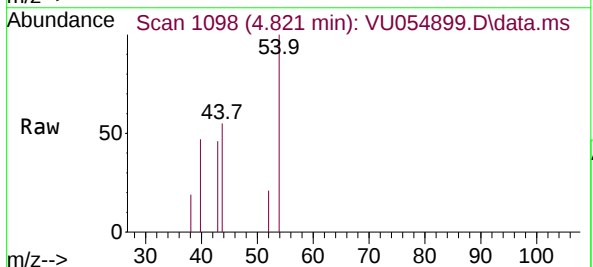
APPROVED

Reviewed By :John Carlone 07/28/2023

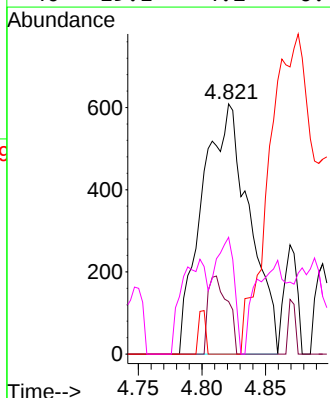
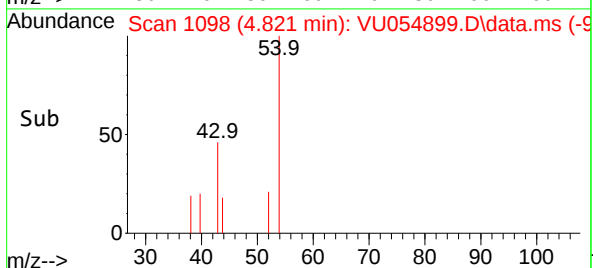
Supervised By :Mahesh Dadoda 07/31/2023

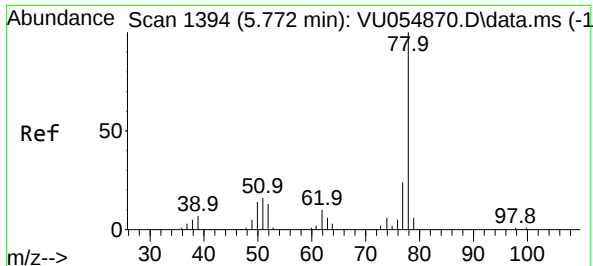


#34
Propionitrile
Concen: 3.913 ug/l m
RT: 4.821 min Scan# 1098
Delta R.T. 0.030 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



Tgt Ion: 54 Resp: 1573
Ion Ratio Lower Upper
54 100
52 12.9 13.8 20.8#
55 0.0 4.8 7.2#
40 19.1 4.2 6.4#





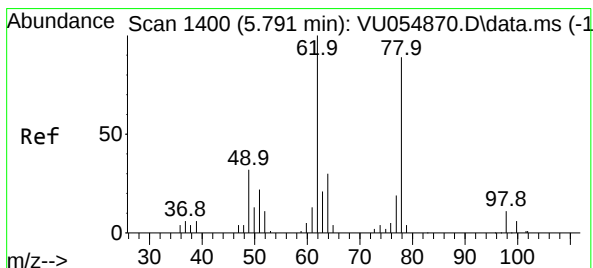
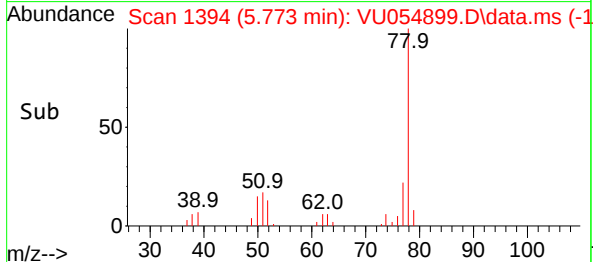
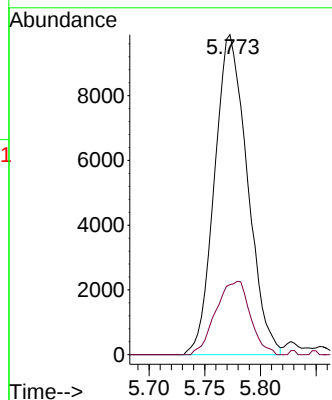
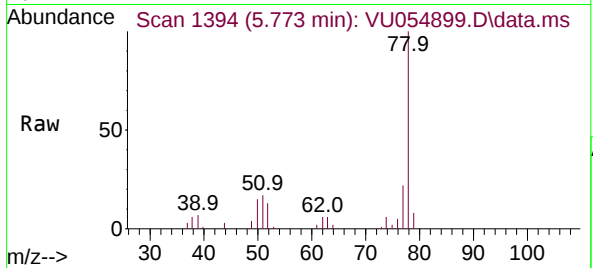
#35
Benzene
Concen: 0.882 ug/l
RT: 5.773 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 78 Resp: 2028
Ion Ratio Lower Upper
78 100
77 21.9 19.4 29.2

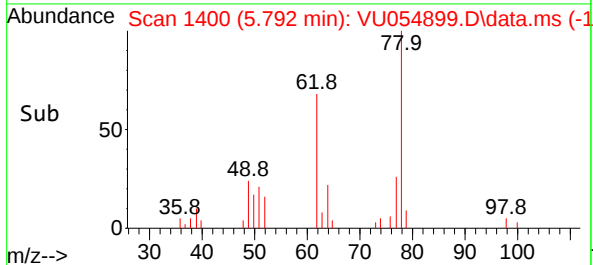
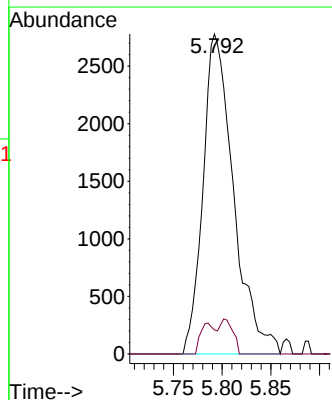
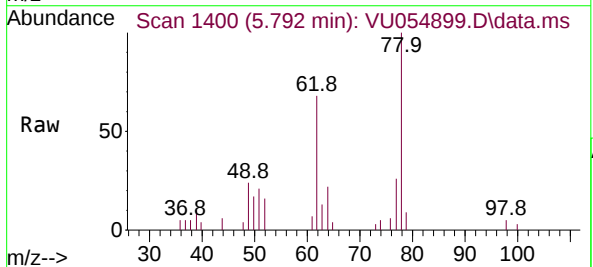
Manual Integrations
APPROVED

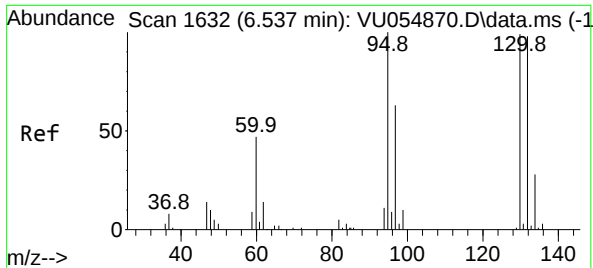
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#36
1,2-Dichloroethane
Concen: 0.927 ug/l
RT: 5.792 min Scan# 1400
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

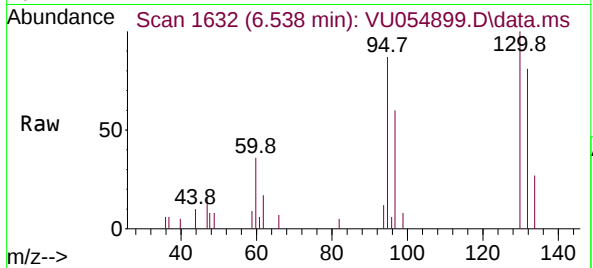
Tgt Ion: 62 Resp: 6059
Ion Ratio Lower Upper
62 100
98 4.9 7.8 11.8#





#37
Trichloroethene
Concen: 0.905 ug/l
RT: 6.538 min Scan# 1632
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

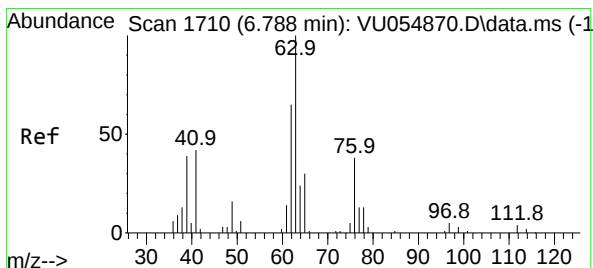
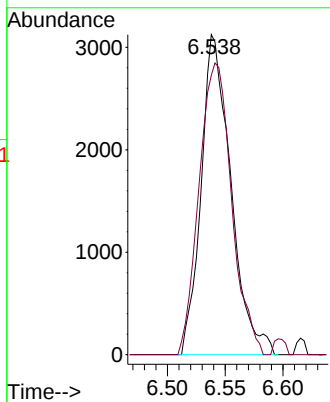
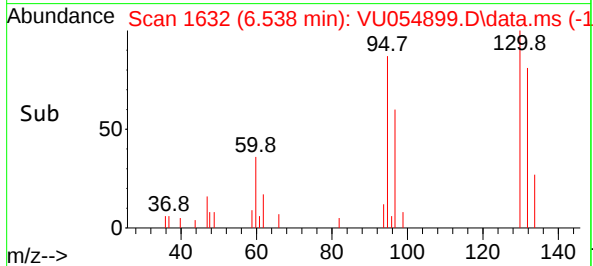
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:130 Resp: 5594
Ion Ratio Lower Upper
130 100
95 87.3 76.8 115.2

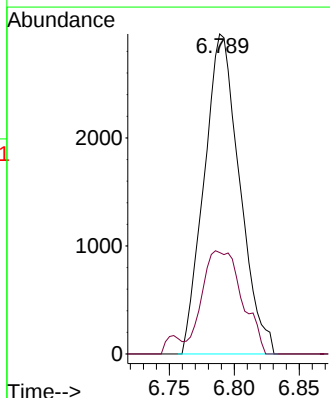
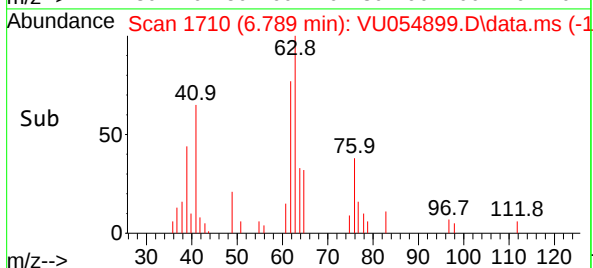
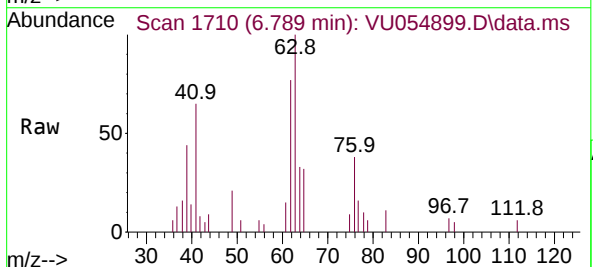
Manual Integrations
APPROVED

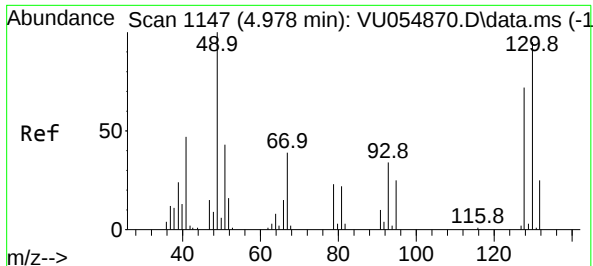
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#38
1,2-Dichloropropane
Concen: 0.864 ug/l
RT: 6.789 min Scan# 1710
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion: 63 Resp: 5613
Ion Ratio Lower Upper
63 100
65 31.7 24.3 36.5





#39

Methacrylonitrile

Concen: 0.739 ug/l

RT: 4.988 min Scan# 1150

Delta R.T. 0.010 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

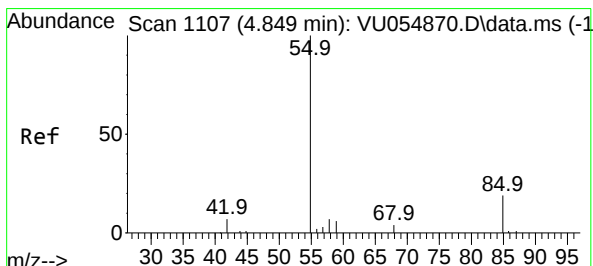
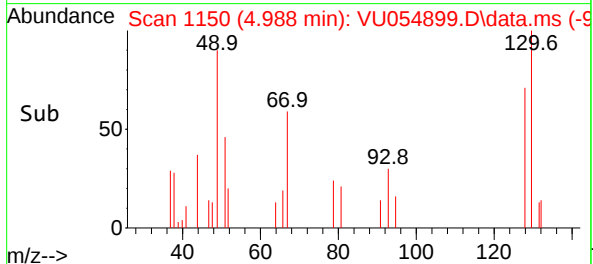
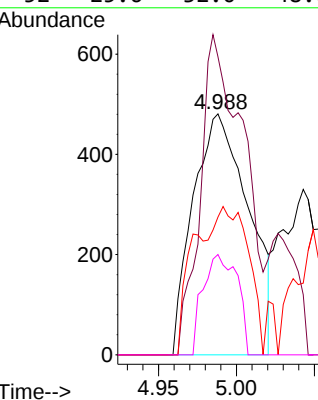
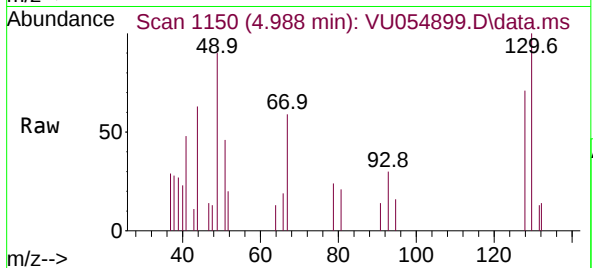
Tgt Ion: 41	Resp: 119
Ion Ratio	Lower Upper
41 100	
67 104.2	77.0 115.4
39 17.0	50.4 75.6
52 25.6	32.0 48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#40

Methyl acrylate

Concen: 0.919 ug/l

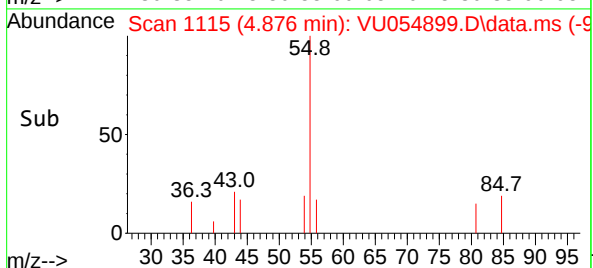
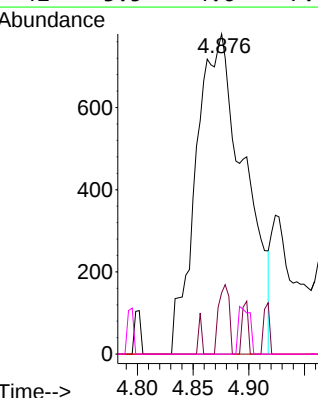
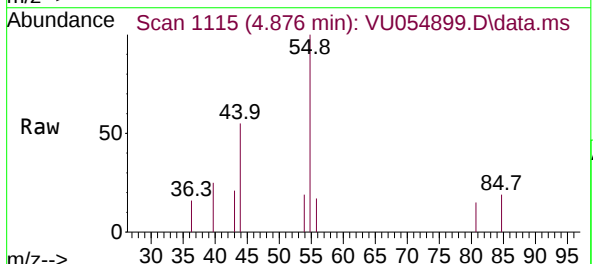
RT: 4.876 min Scan# 1115

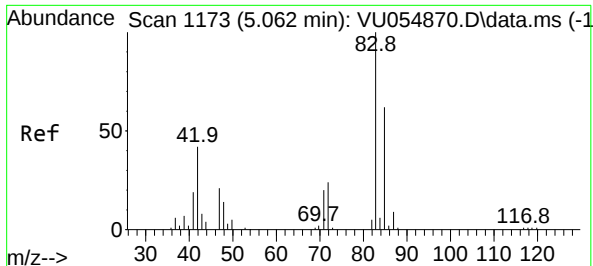
Delta R.T. 0.026 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

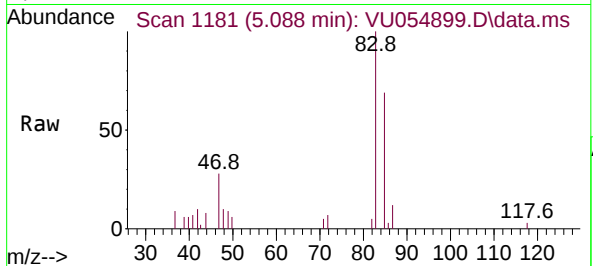
Tgt Ion: 55	Resp: 2355
Ion Ratio	Lower Upper
55 100	
85 0.0	13.0 19.6
58 0.0	5.7 8.5
42 3.5	4.6 7.0





#41
Tetrahydrofuran
Concen: 2.045 ug/l m
RT: 5.088 min Scan# 1173
Delta R.T. 0.026 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

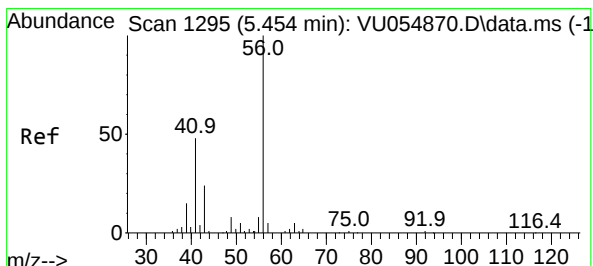
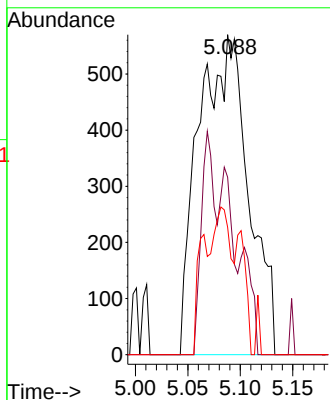
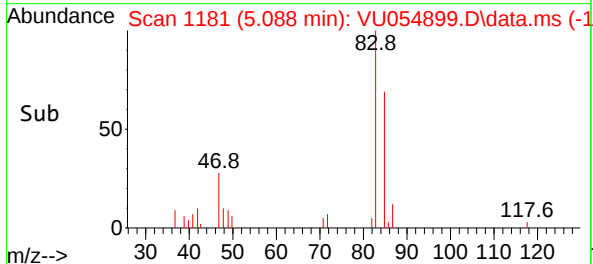
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



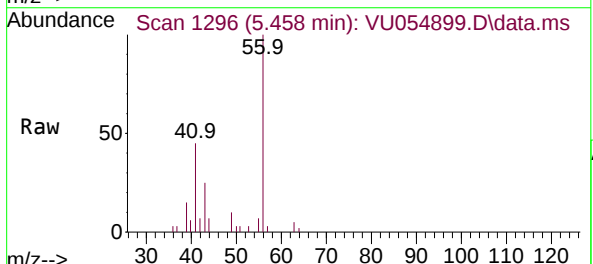
Tgt Ion: 42 Resp: 1884
Ion Ratio Lower Upper
42 100
72 19.4 42.1 63.1
71 7.8 39.7 59.5

Manual Integrations
APPROVED

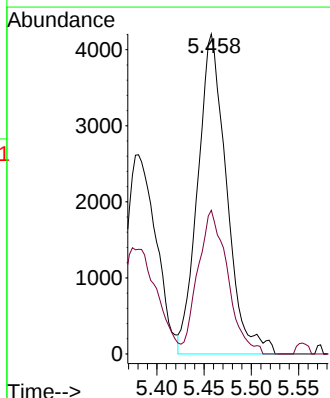
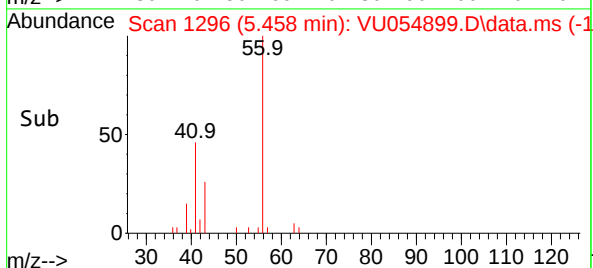
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

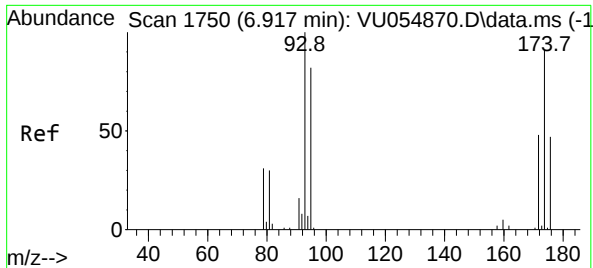


#42
1-Chlorobutane
Concen: 0.926 ug/l
RT: 5.458 min Scan# 1296
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



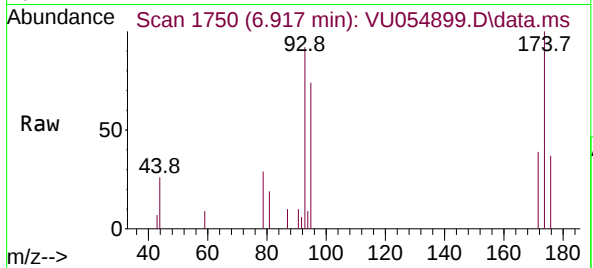
Tgt Ion: 56 Resp: 8905
Ion Ratio Lower Upper
56 100
41 46.4 23.9 71.7





#43
Dibromomethane
Concen: 0.977 ug/l
RT: 6.917 min Scan# 1750
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

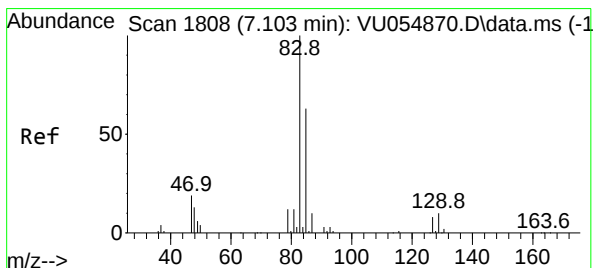
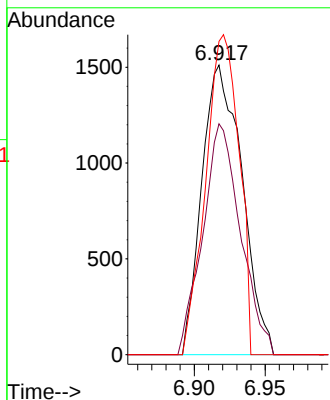
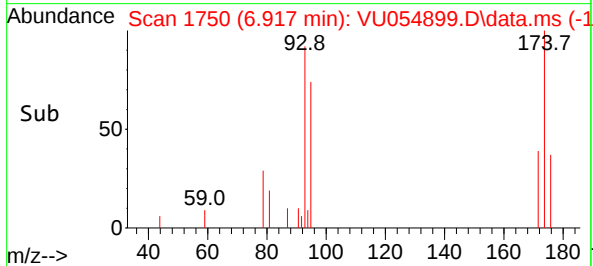
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 93 Resp: 298
Ion Ratio Lower Upper
93 100
95 75.0 64.7 97.1
174 91.8 74.4 111.6

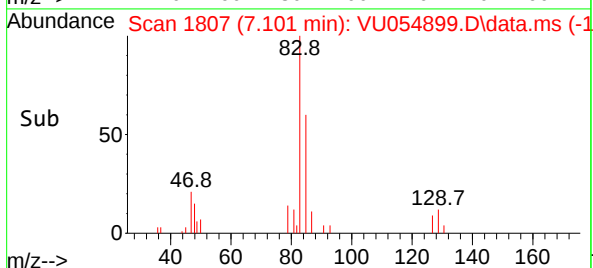
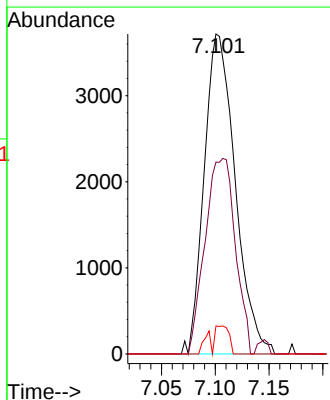
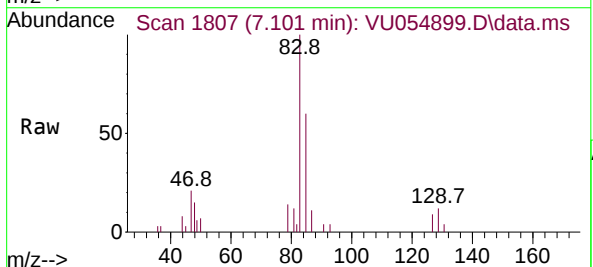
Manual Integrations
APPROVED

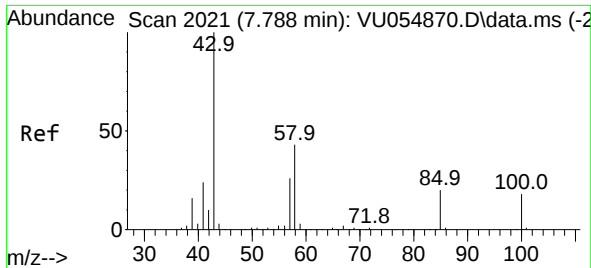
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#44
Bromodichloromethane
Concen: 0.875 ug/l
RT: 7.101 min Scan# 1807
Delta R.T. -0.003 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

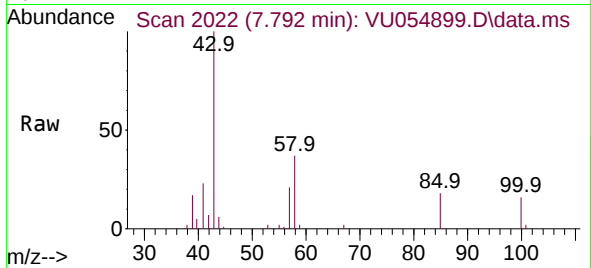
Tgt Ion: 83 Resp: 7444
Ion Ratio Lower Upper
83 100
85 60.0 52.2 78.2
127 8.7 6.1 9.1





#45
4-Methyl-2-Pentanone
Concen: 5.245 ug/l
RT: 7.792 min Scan# 2021
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

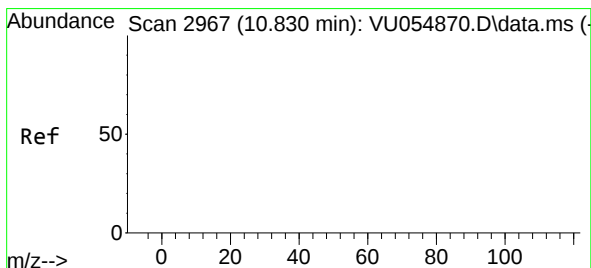
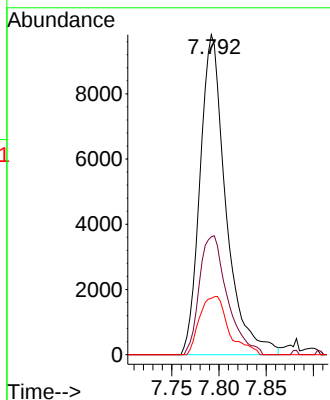
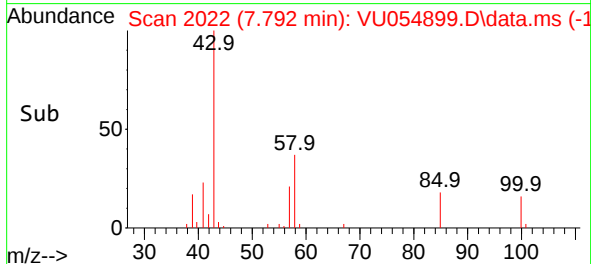
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 43 Resp: 18680
Ion Ratio Lower Upper
43 100
58 40.0 21.3 63.7
85 20.4 15.3 22.9

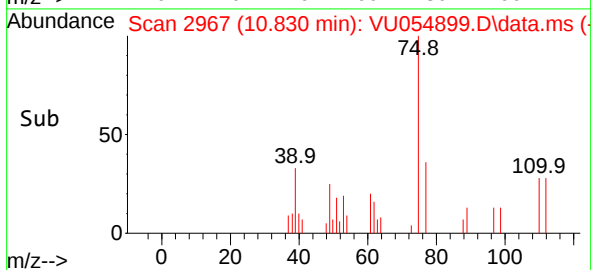
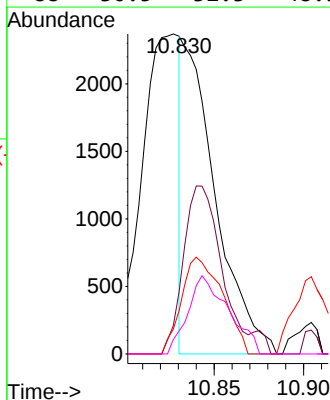
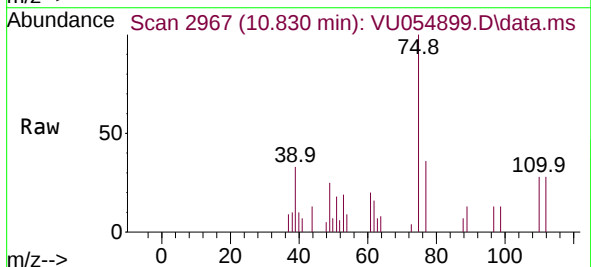
Manual Integrations
APPROVED

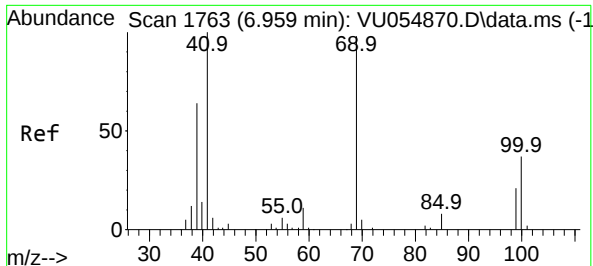
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#46
t-1,4-Dichloro-2-butene
Concen: 2.078 ug/l m
RT: 10.830 min Scan# 2967
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion: 75 Resp: 2978
Ion Ratio Lower Upper
75 100
53 61.3 62.9 94.3#
89 38.4 47.8 71.8#
88 30.5 32.3 48.5#





#47

Methyl methacrylate

Concen: 1.971 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.004 min

Lab File: VU054899.D

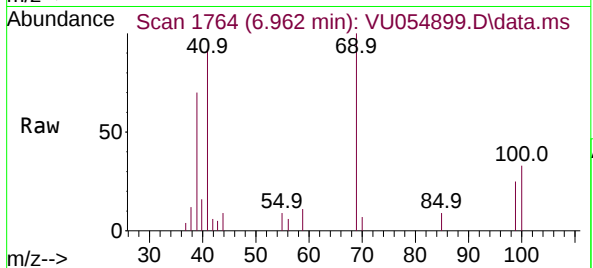
Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



Tgt Ion: 69 Resp: 550

Ion Ratio Lower Upper

69 100

41 99.0 0.0 193.0

39 63.8 50.4 75.6

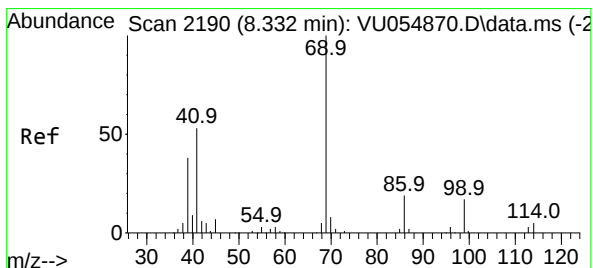
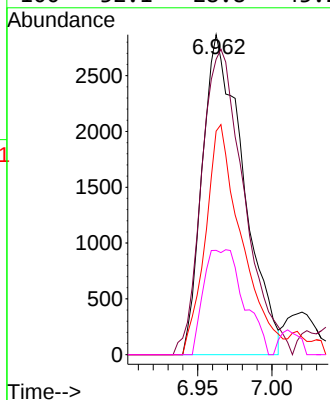
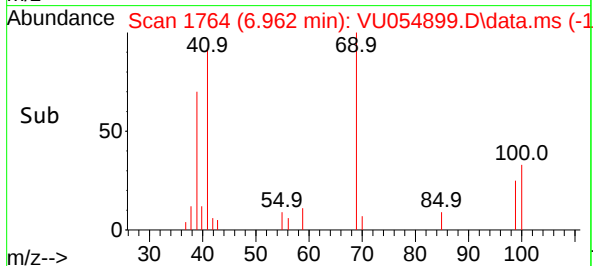
100 32.1 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#48

Ethyl methacrylate

Concen: 0.942 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.004 min

Lab File: VU054899.D

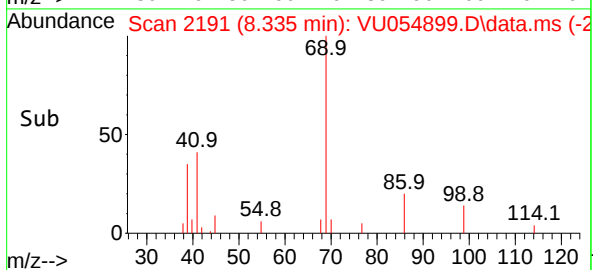
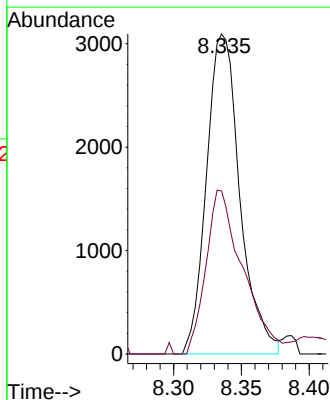
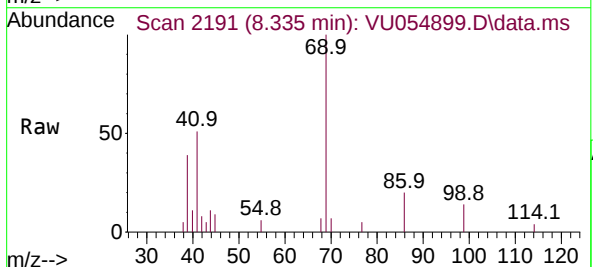
Acq: 27 Jul 2023 17:18

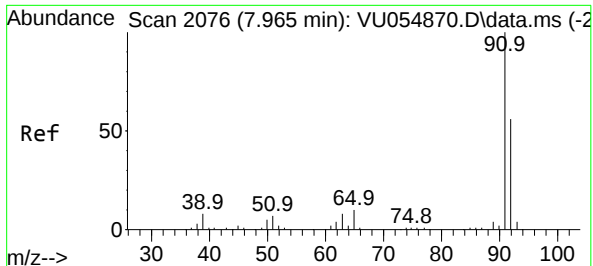
Tgt Ion: 69 Resp: 5314

Ion Ratio Lower Upper

69 100

41 56.8 28.8 86.5





#49

Toluene

Concen: 0.894 ug/l

RT: 7.966 min Scan# 2076

Delta R.T. 0.001 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 92 Resp: 1308

Ion Ratio Lower Upper

92 100

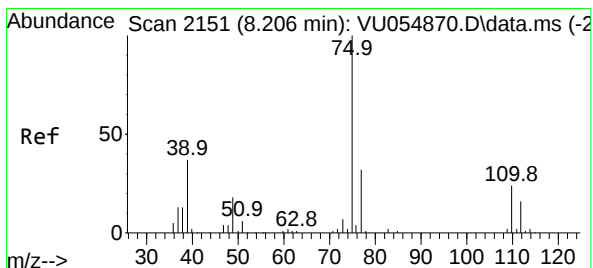
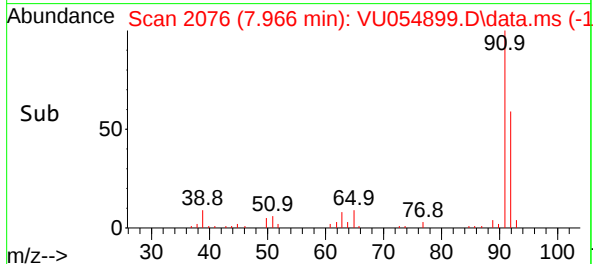
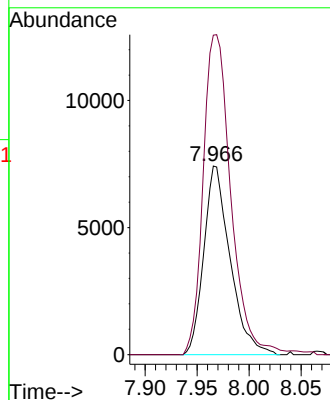
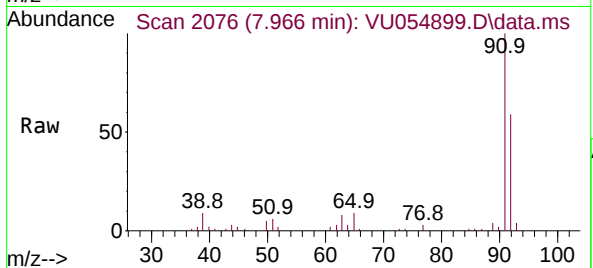
91 178.0 142.9 214.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#50

t-1,3-Dichloropropene

Concen: 0.937 ug/l

RT: 8.213 min Scan# 2153

Delta R.T. 0.007 min

Lab File: VU054899.D

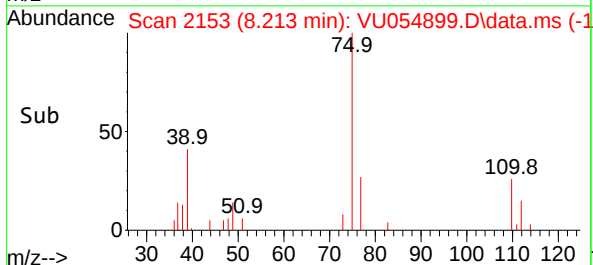
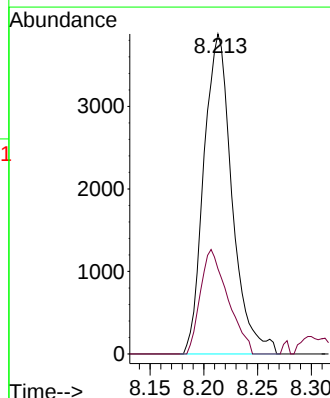
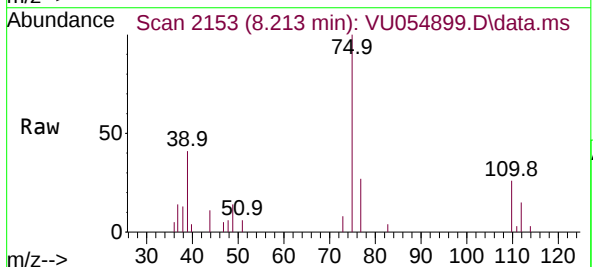
Acq: 27 Jul 2023 17:18

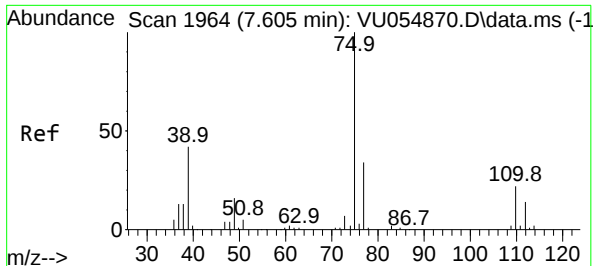
Tgt Ion: 75 Resp: 7073

Ion Ratio Lower Upper

75 100

77 26.6 24.9 37.3





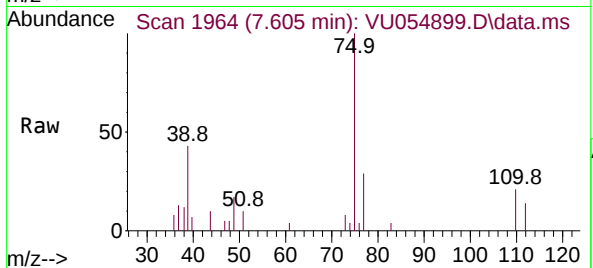
#51
 cis-1,3-Dichloropropene
 Concen: 0.856 ug/l
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.001 min
 Lab File: VU054899.D
 Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



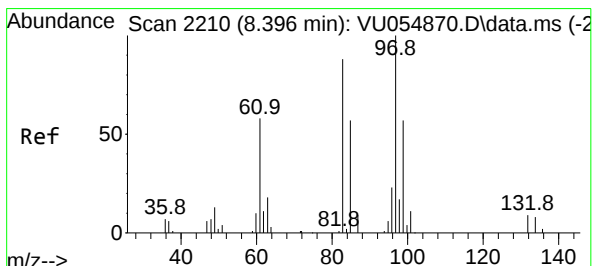
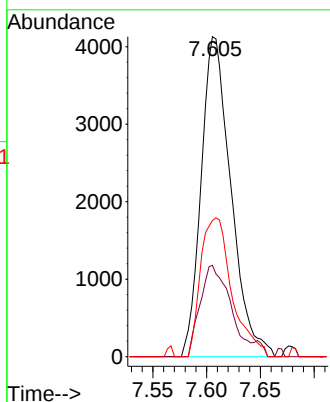
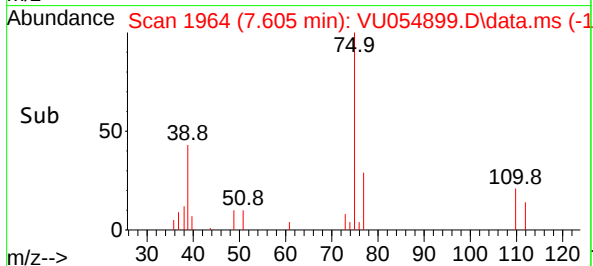
Tgt Ion: 75 Resp: 7940
 Ion Ratio Lower Upper
 75 100
 77 28.5 25.8 38.8
 39 49.5 31.7 47.5

Manual Integrations

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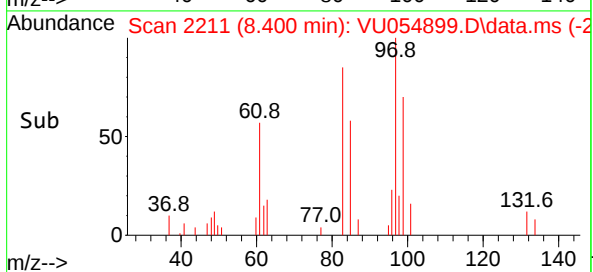
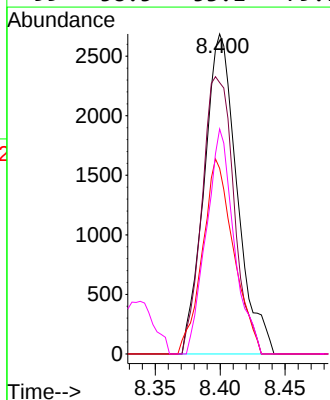
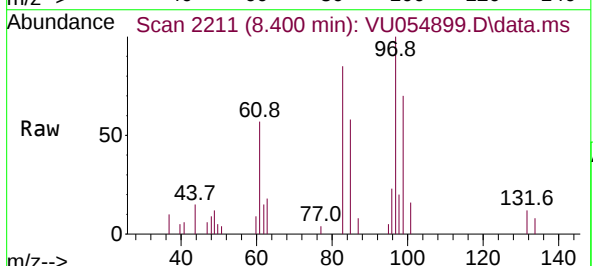
Reviewed By :John Carlone 07/28/2023

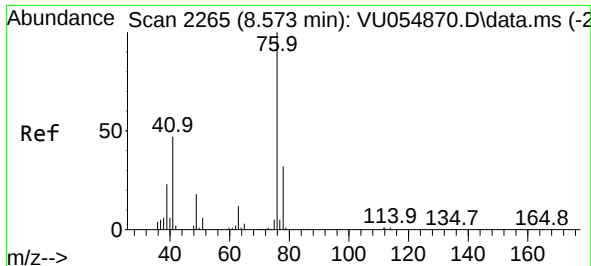
Supervised By :Mahesh Dadoda 07/31/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.980 ug/l
 RT: 8.400 min Scan# 2211
 Delta R.T. 0.004 min
 Lab File: VU054899.D
 Acq: 27 Jul 2023 17:18

Tgt Ion: 97 Resp: 4740
 Ion Ratio Lower Upper
 97 100
 83 70.5 77.4 116.2#
 85 48.3 47.8 71.8
 99 58.5 53.1 79.7





#53

1,3-Dichloropropane

Concen: 0.948 ug/l

RT: 8.573 min Scan# 2301

Delta R.T. 0.001 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 76 Resp: 7419

Ion Ratio Lower Upper

76 100

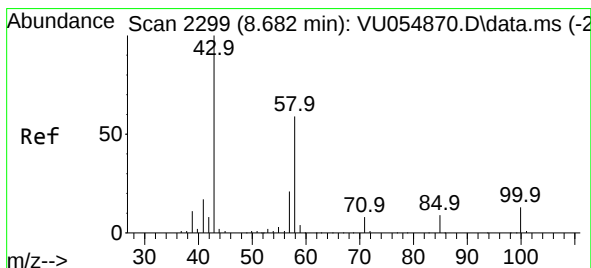
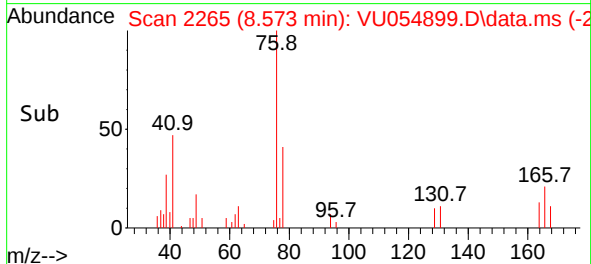
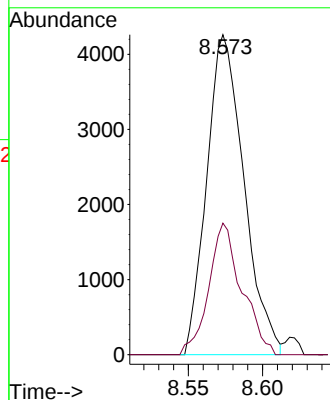
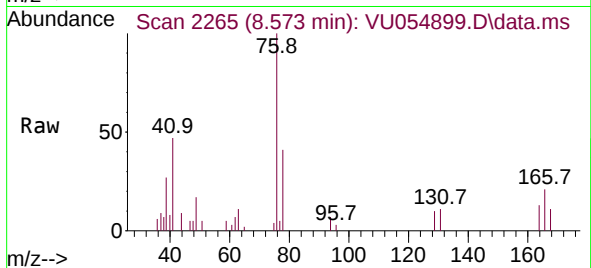
78 36.5 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#54

2-Hexanone

Concen: 4.828 ug/l

RT: 8.689 min Scan# 2301

Delta R.T. 0.007 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

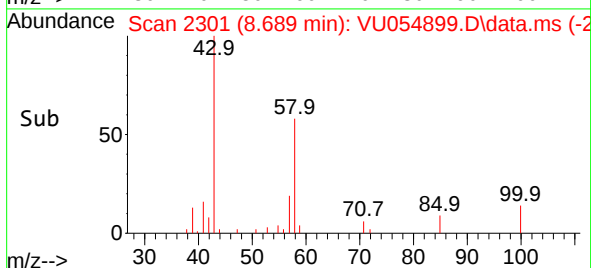
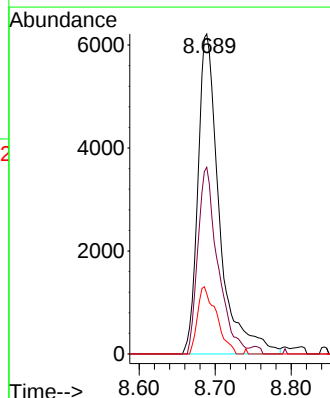
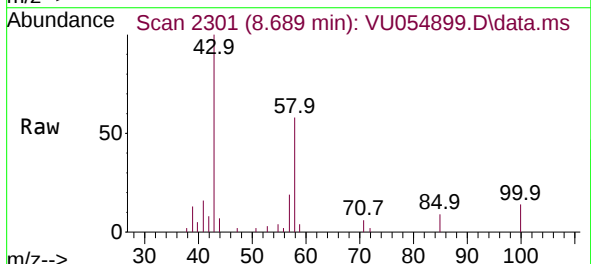
Tgt Ion: 43 Resp: 12217

Ion Ratio Lower Upper

43 100

58 54.2 38.9 78.9

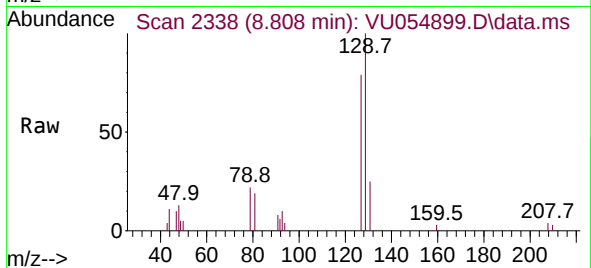
57 18.5 0.0 38.7





#55
Dibromochloromethane
Concen: 0.890 ug/l
RT: 8.808 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

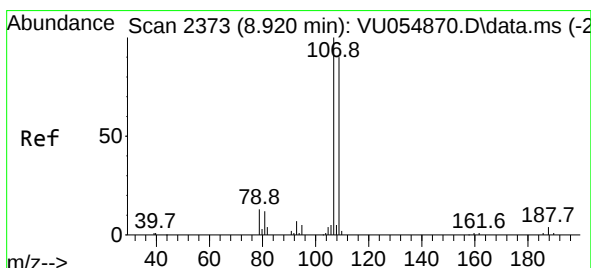
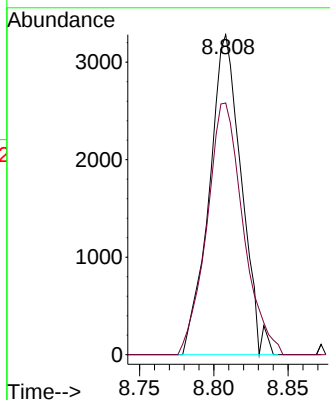
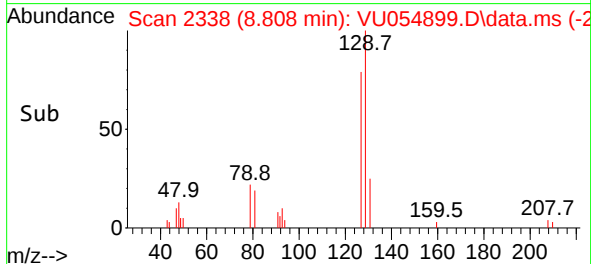
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:129 Resp: 493
Ion Ratio Lower Upper
129 100
127 88.9 61.4 92.0

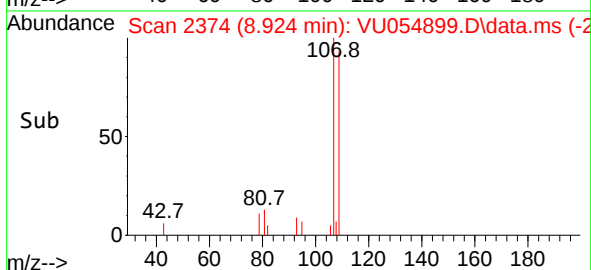
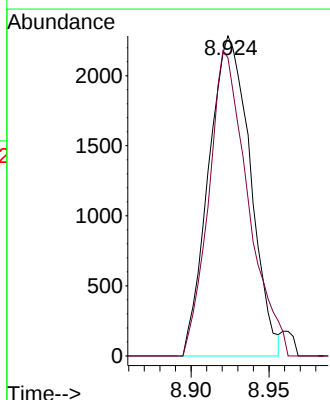
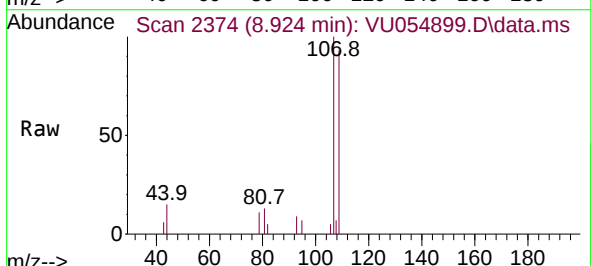
Manual Integrations
APPROVED

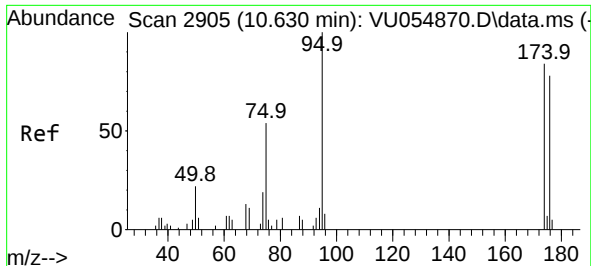
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#56
1,2-Dibromoethane
Concen: 1.033 ug/l
RT: 8.924 min Scan# 2374
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

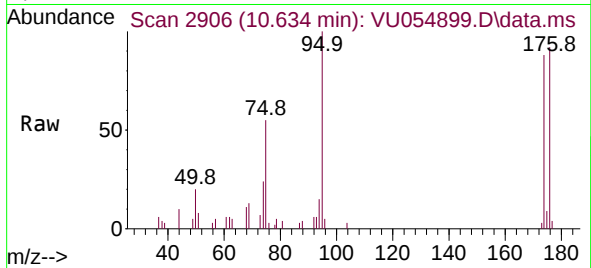
Tgt Ion:107 Resp: 4237
Ion Ratio Lower Upper
107 100
109 89.8 0.0 185.4





#57
4-Bromofluorobenzene
Concen: 1.028 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

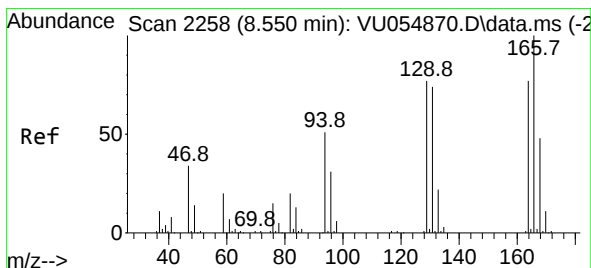
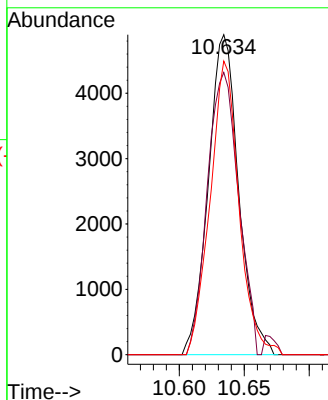
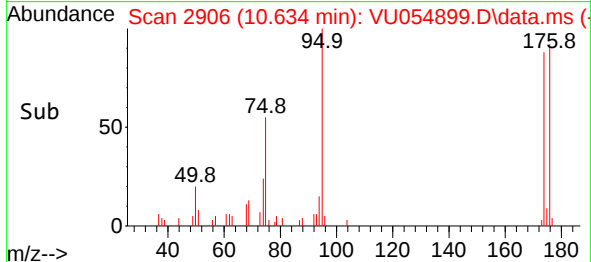
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 95 Resp: 7950
Ion Ratio Lower Upper
95 100
174 90.6 79.3 118.9
176 87.3 71.5 107.3

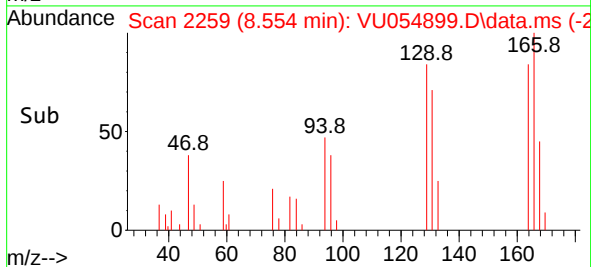
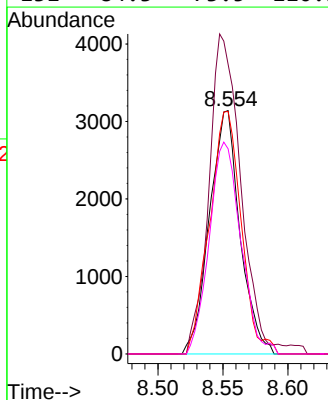
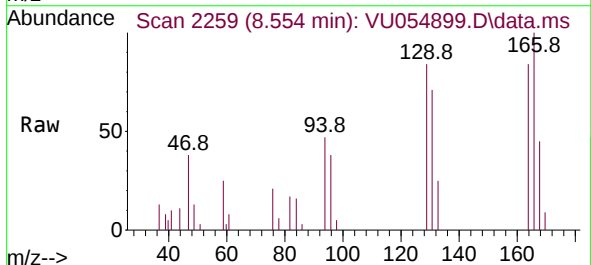
Manual Integrations
APPROVED

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



#58
Tetrachloroethene
Concen: 0.948 ug/l
RT: 8.554 min Scan# 2259
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

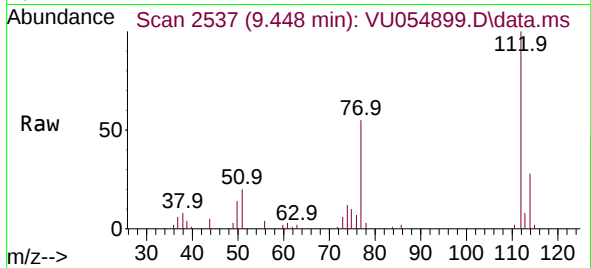
Tgt Ion:164 Resp: 5117
Ion Ratio Lower Upper
164 100
166 118.9 100.4 150.6
129 99.6 71.9 107.9
131 84.3 73.5 110.3





#59
Chlorobenzene
Concen: 0.909 ug/l
RT: 9.448 min Scan# 2537
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

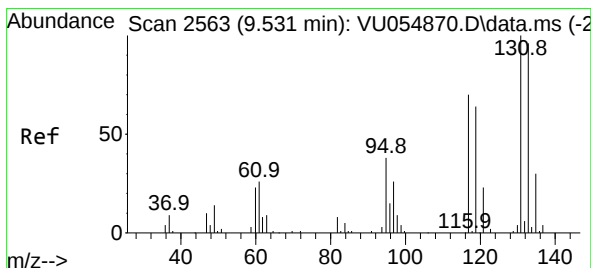
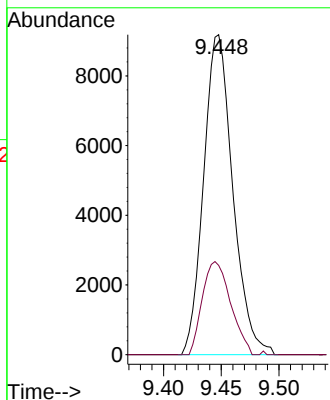
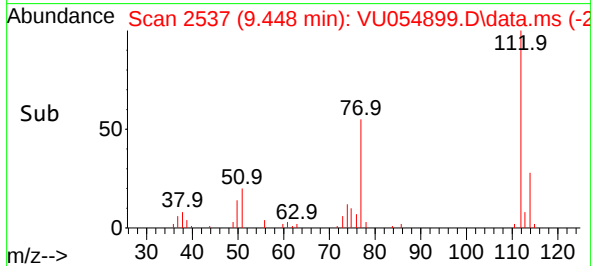
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



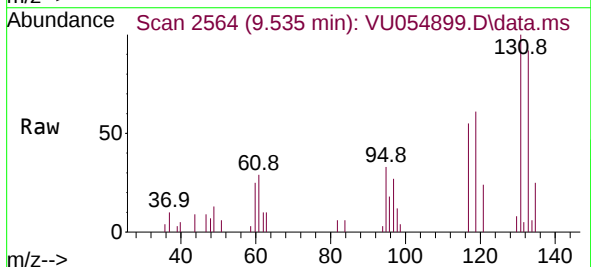
Tgt Ion:112 Resp: 1614
Ion Ratio Lower Upper
112 100
114 27.9 25.0 37.6

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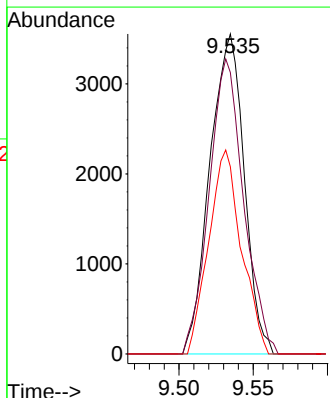
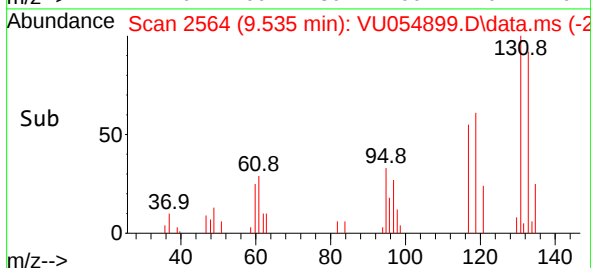
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

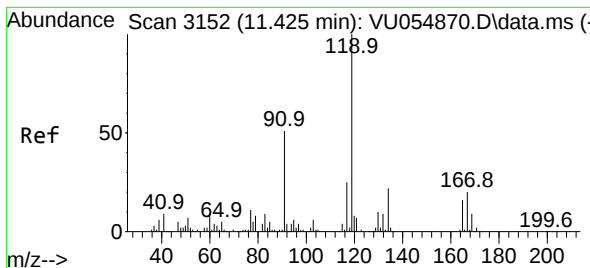


#60
1,1,1,2-Tetrachloroethane
Concen: 0.911 ug/l
RT: 9.535 min Scan# 2564
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



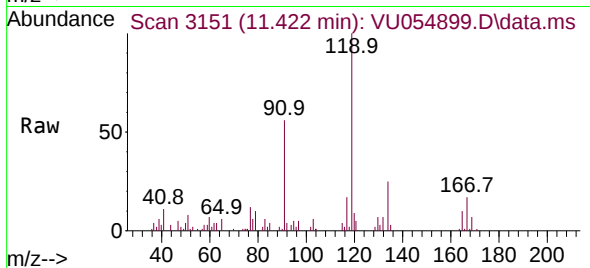
Tgt Ion:131 Resp: 5714
Ion Ratio Lower Upper
131 100
133 92.8 74.2 111.4
119 60.7 51.0 76.4





#61
Pentachloroethane
Concen: 0.757 ug/l
RT: 11.422 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

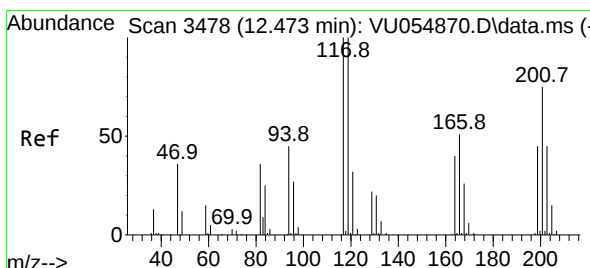
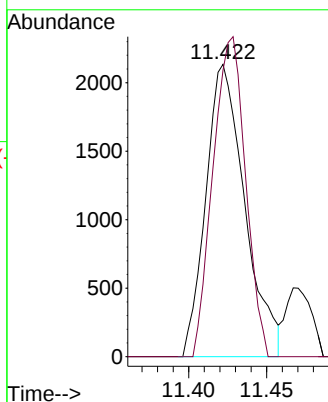
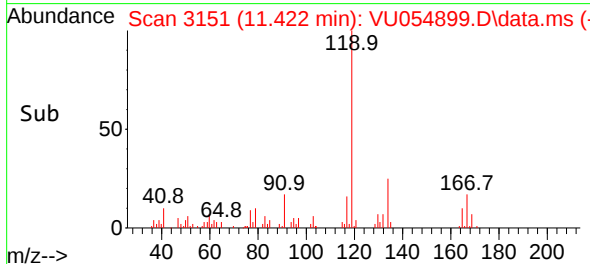
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:117 Resp: 3708
Ion Ratio Lower Upper
117 100
167 91.2 65.3 97.9

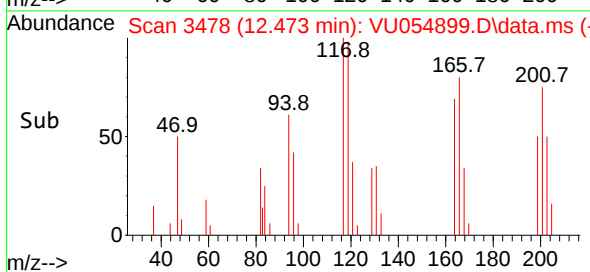
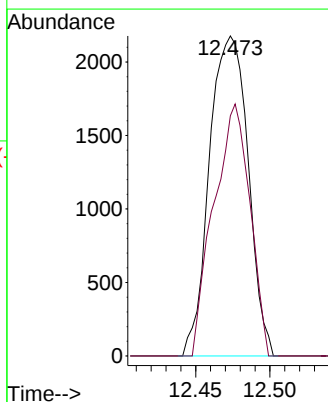
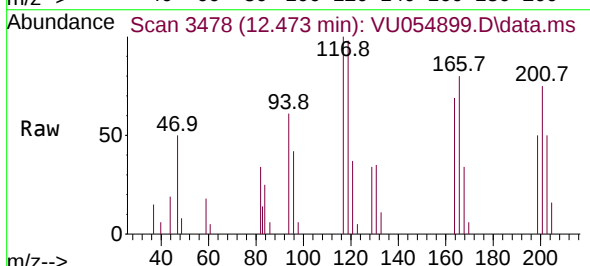
Manual Integrations
APPROVED

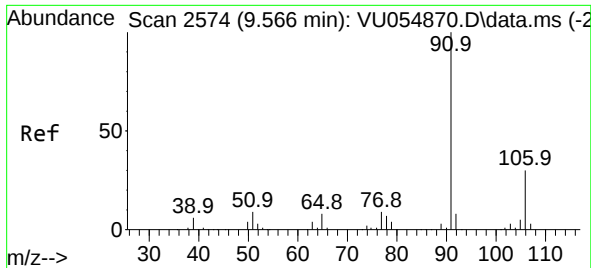
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#62
Hexachloroethane
Concen: 0.782 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion:117 Resp: 3944
Ion Ratio Lower Upper
117 100
201 73.6 56.1 84.1





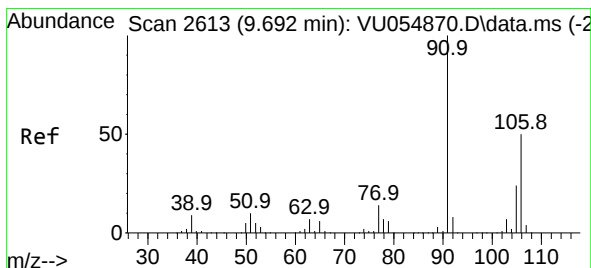
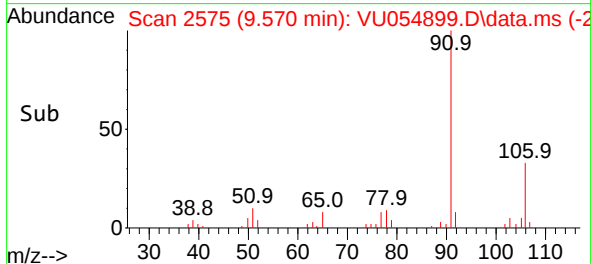
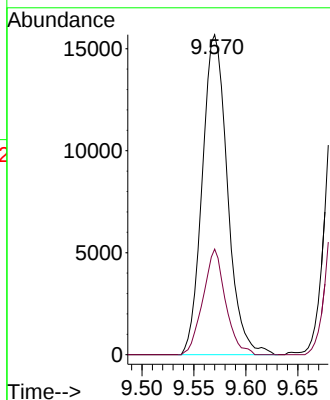
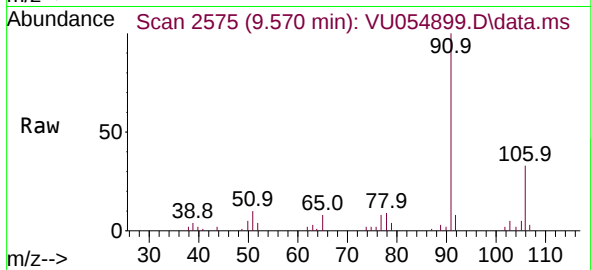
#63
Ethyl Benzene
Concen: 0.886 ug/l
RT: 9.570 min Scan# 2574
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 91 Resp: 26410
Ion Ratio Lower Upper
91 100
106 33.0 24.2 36.2

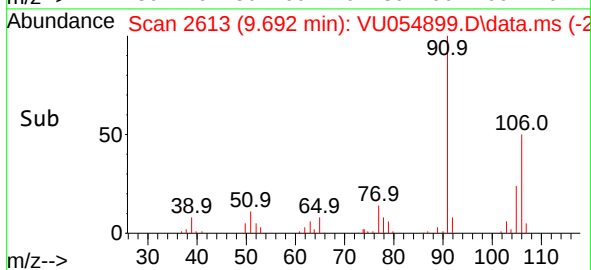
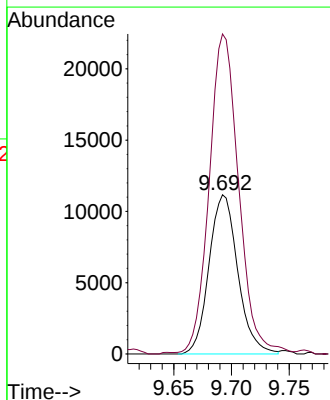
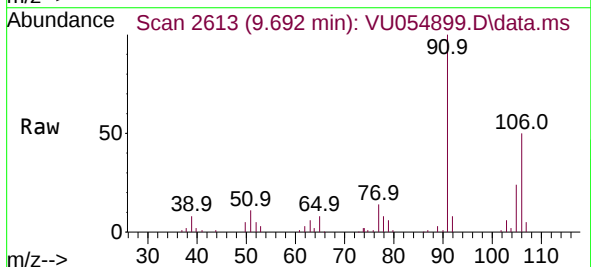
Manual Integrations
APPROVED

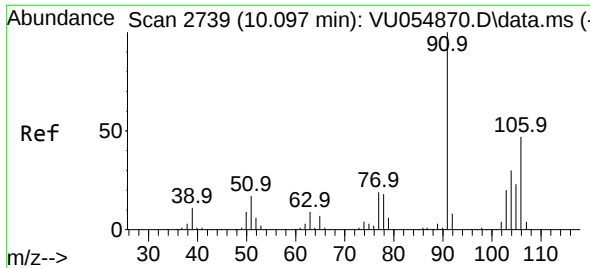
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#64
m/p-Xylenes
Concen: 1.734 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion:106 Resp: 19346
Ion Ratio Lower Upper
106 100
91 203.0 158.8 238.2





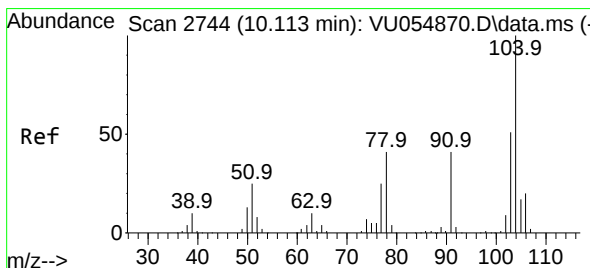
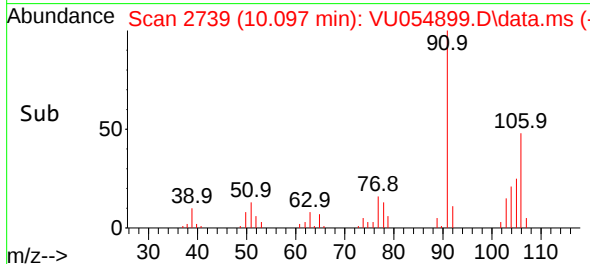
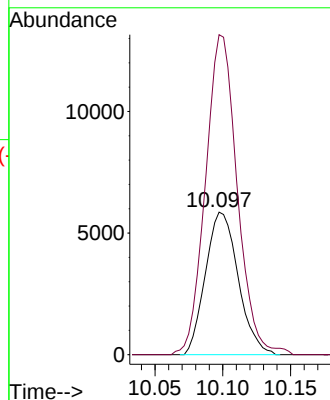
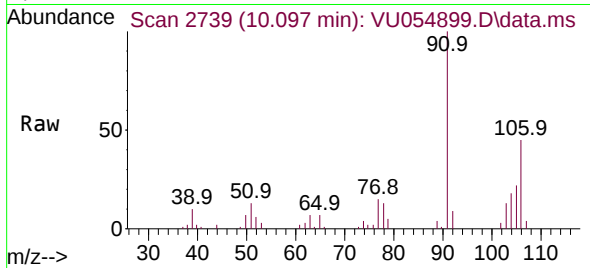
#65
o-Xylene
Concen: 0.859 ug/l
RT: 10.097 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:106 Resp: 983
Ion Ratio Lower Upper
106 100
91 218.0 108.9 326.8

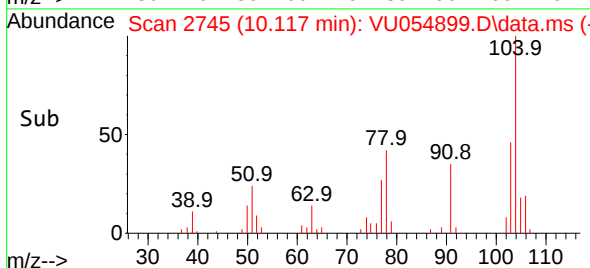
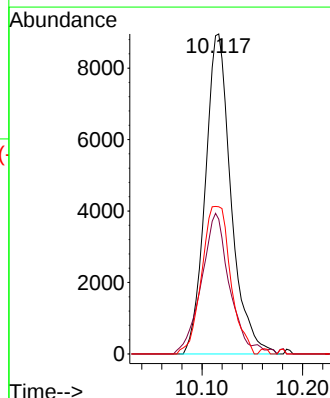
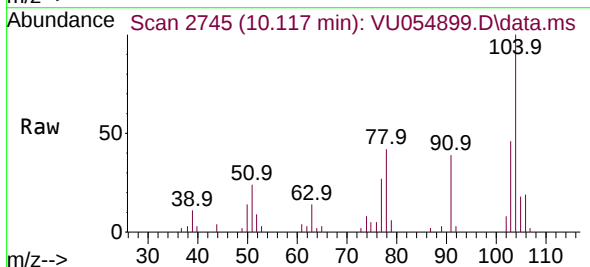
Manual Integrations
APPROVED

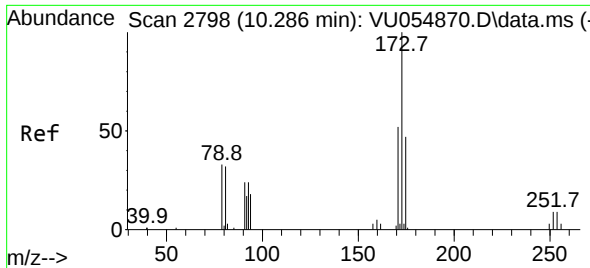
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#66
Styrene
Concen: 0.870 ug/l
RT: 10.117 min Scan# 2745
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

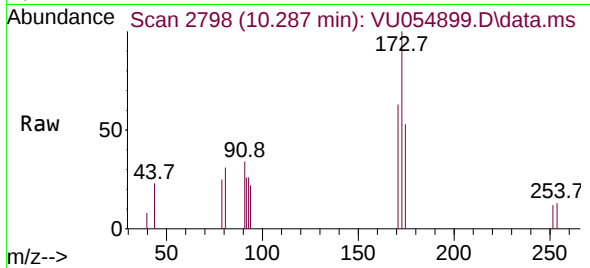
Tgt Ion:104 Resp: 15940
Ion Ratio Lower Upper
104 100
78 48.1 37.5 56.3
103 51.6 45.2 67.8





#67
Bromoform
Concen: 0.953 ug/l
RT: 10.287 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

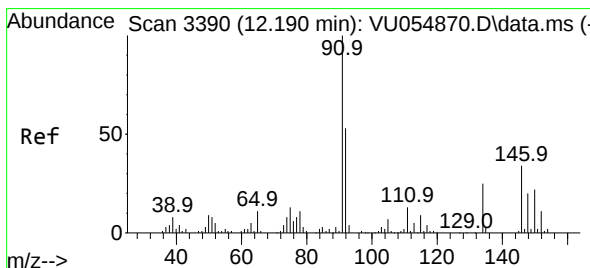
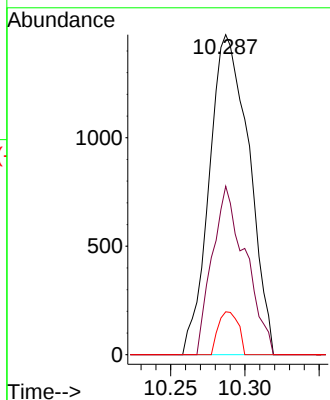
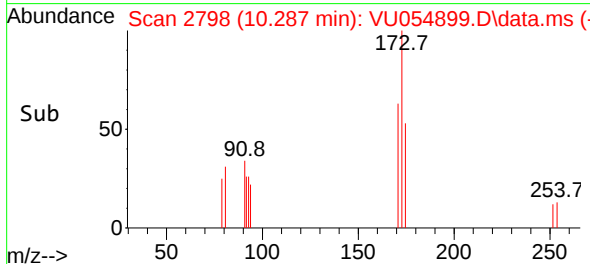
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



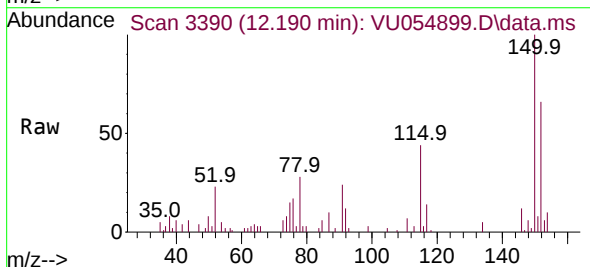
Tgt Ion:173 Resp: 2740
Ion Ratio Lower Upper
173 100
175 44.2 39.0 58.6
254 6.8 7.4 11.0

Manual Integrations
APPROVED

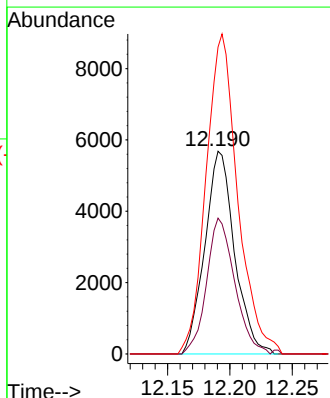
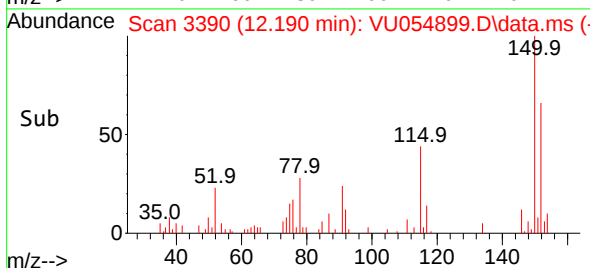
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

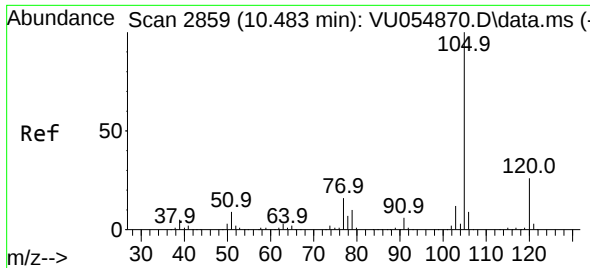


#68
1,2-Dichlorobenzene-d4
Concen: 1.079 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



Tgt Ion:152 Resp: 9435
Ion Ratio Lower Upper
152 100
115 63.4 0.0 234.8
150 167.6 0.0 598.2





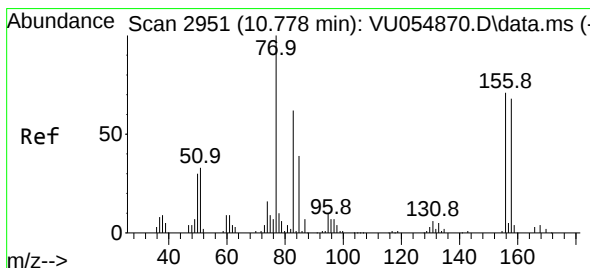
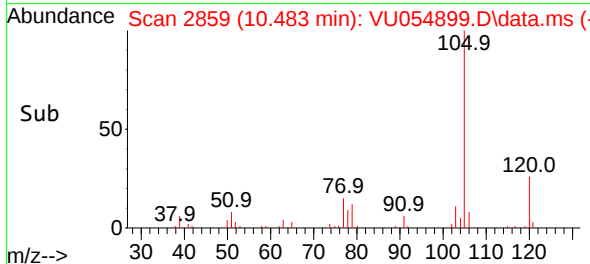
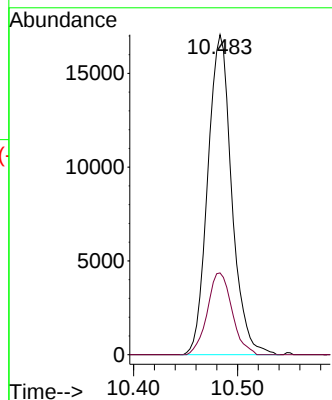
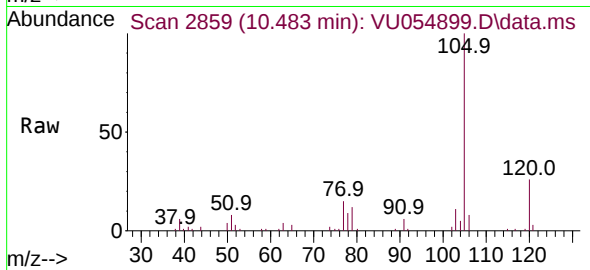
#69
Isopropylbenzene
Concen: 0.887 ug/l
RT: 10.483 min Scan# 2859
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 105 Resp: 27290
Ion Ratio Lower Upper
105 100
120 26.3 12.6 37.6

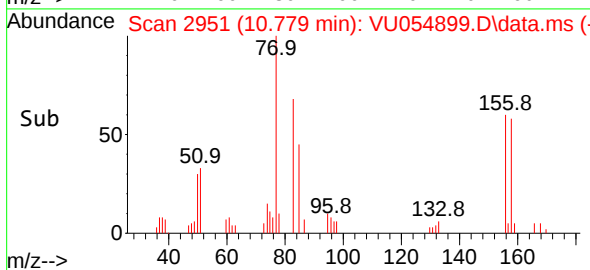
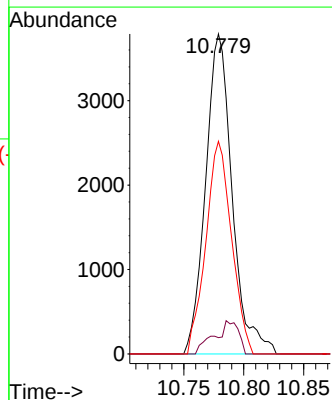
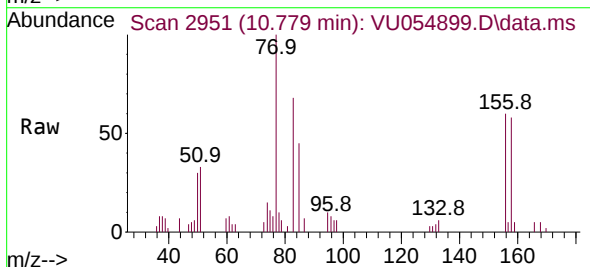
Manual Integrations
APPROVED

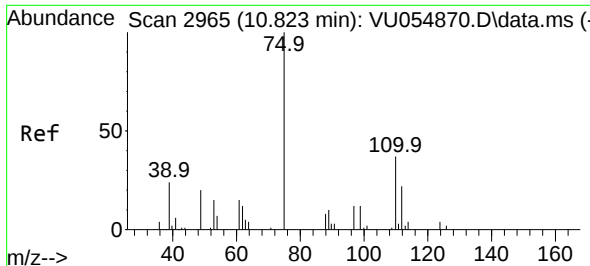
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 0.975 ug/l
RT: 10.779 min Scan# 2951
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

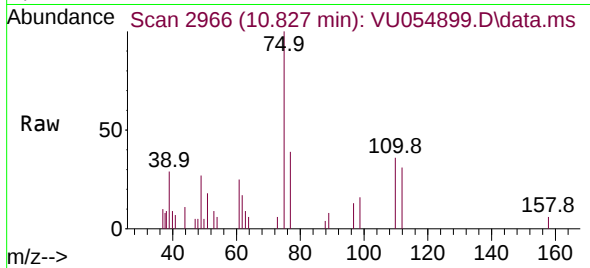
Tgt Ion: 83 Resp: 5842
Ion Ratio Lower Upper
83 100
131 9.3 7.5 11.3
85 64.1 53.0 79.6





#71
1,2,3-Trichloropropane
Concen: 0.901 ug/l m
RT: 10.827 min Scan# 2966
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

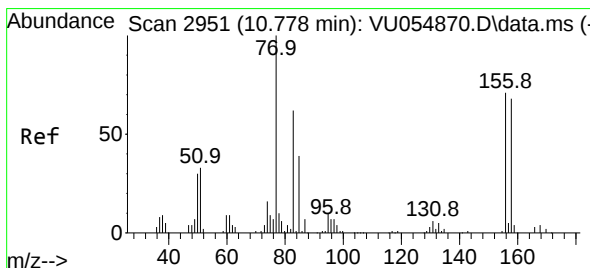
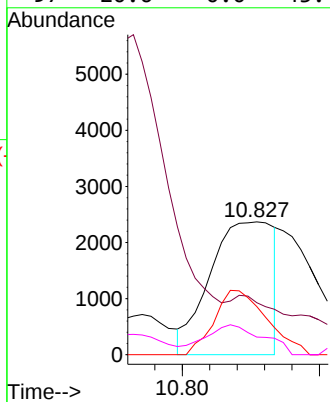
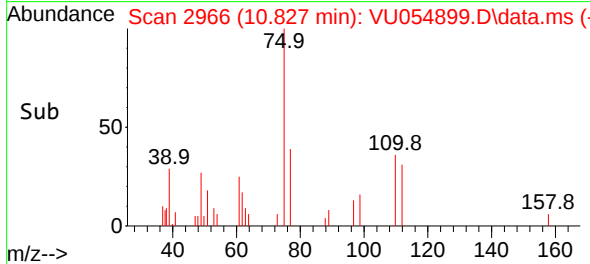
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



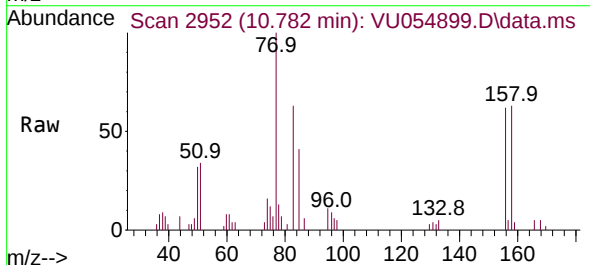
Tgt Ion: 75 Resp: 384
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 40.0 0.0 80.8
97 20.6 0.0 43.4

Manual Integrations
APPROVED

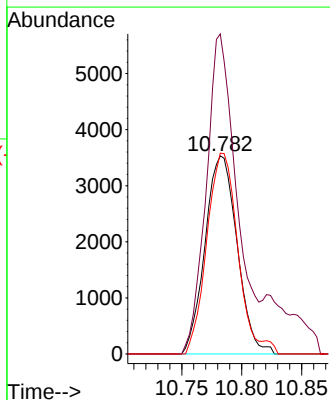
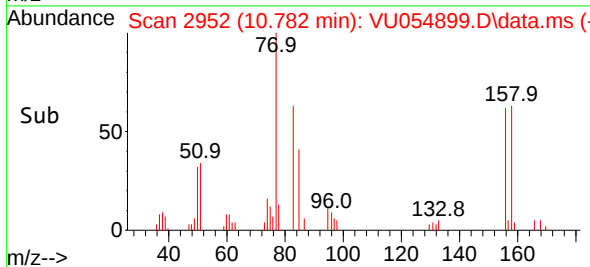
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

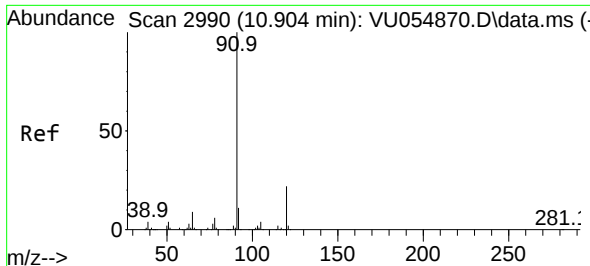


#72
Bromobenzene
Concen: 0.958 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



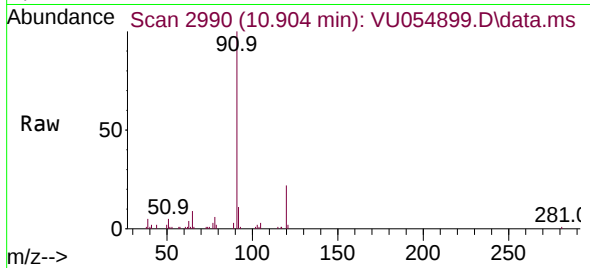
Tgt Ion:156 Resp: 6565
Ion Ratio Lower Upper
156 100
77 152.3 0.0 293.2
158 98.2 0.0 189.8





#73
n-propylbenzene
Concen: 0.829 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

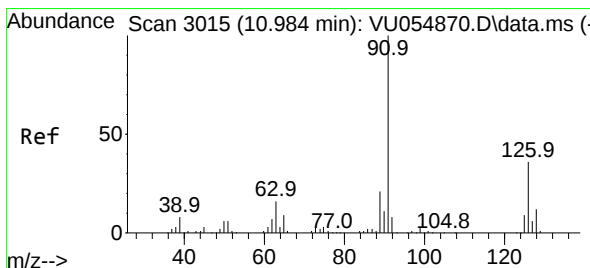
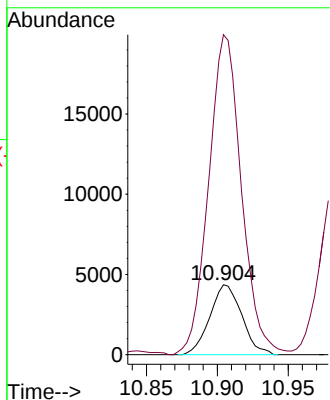
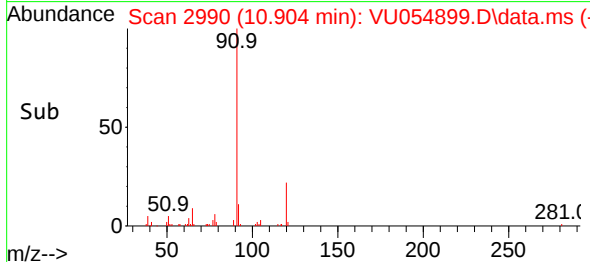
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:120 Resp: 6827
Ion Ratio Lower Upper
120 100
91 469.1 361.8 542.6

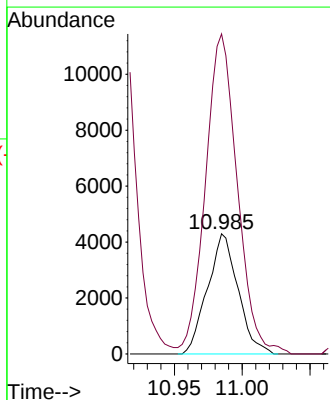
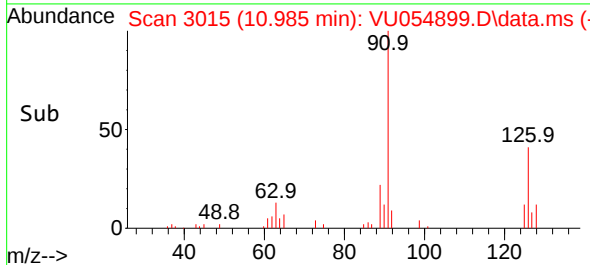
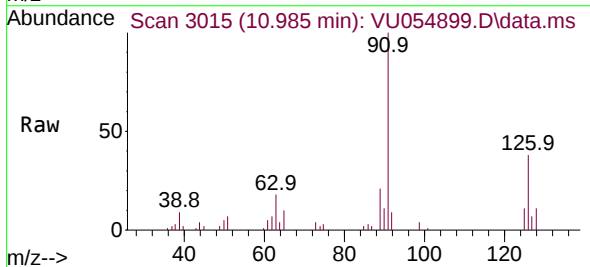
Manual Integrations
APPROVED

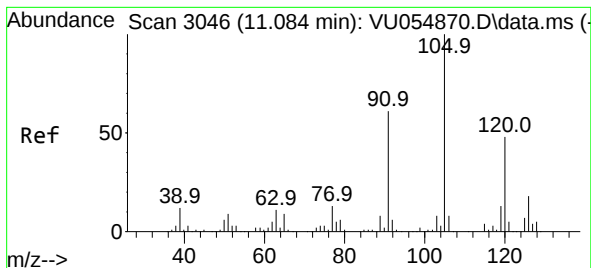
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#74
2-Chlorotoluene
Concen: 0.944 ug/l
RT: 10.985 min Scan# 3015
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

Tgt Ion:126 Resp: 6727
Ion Ratio Lower Upper
126 100
91 278.2 0.0 561.4





#75

1,3,5-Trimethylbenzene

Concen: 0.881 ug/l

RT: 11.084 min Scan# 3046

Delta R.T. 0.001 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion:105 Resp: 2195

Ion Ratio Lower Upper

105 100

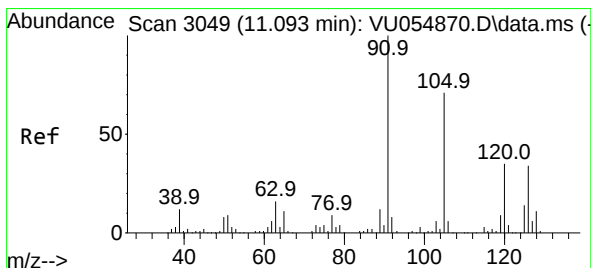
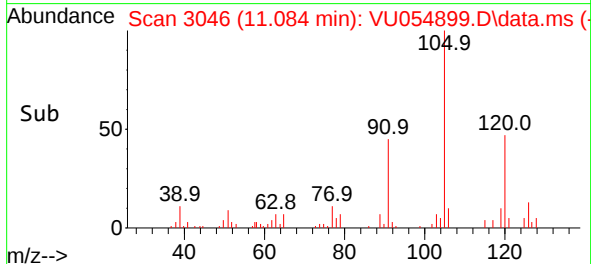
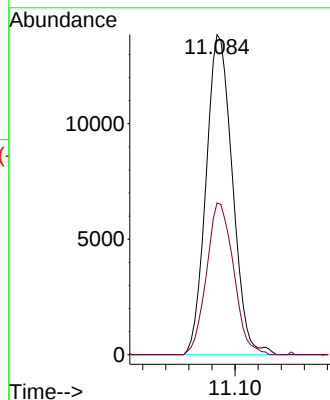
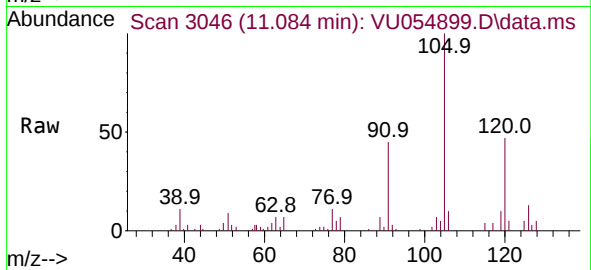
120 48.7 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#76

4-Chlorotoluene

Concen: 0.894 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.004 min

Lab File: VU054899.D

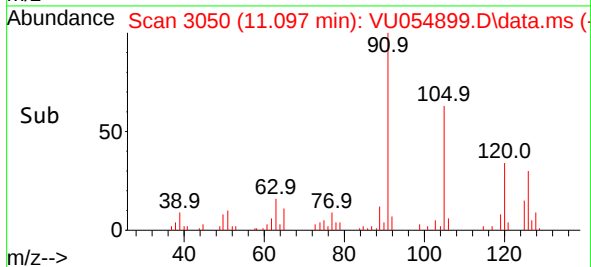
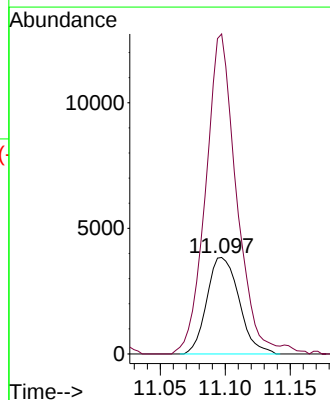
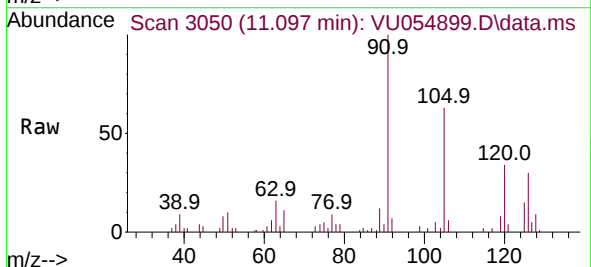
Acq: 27 Jul 2023 17:18

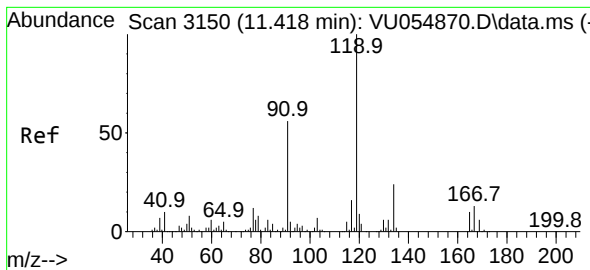
Tgt Ion:126 Resp: 6618

Ion Ratio Lower Upper

126 100

91 319.6 0.0 623.4





#77

tert-Butylbenzene

Concen: 0.860 ug/l

RT: 11.419 min Scan# 3150

Delta R.T. 0.001 min

Lab File: VU054899.D

Acq: 27 Jul 2023 17:18

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion:119 Resp: 2229

Ion Ratio Lower Upper

119 100

91 59.1 27.7 83.1

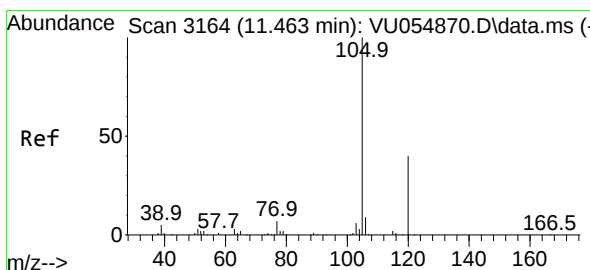
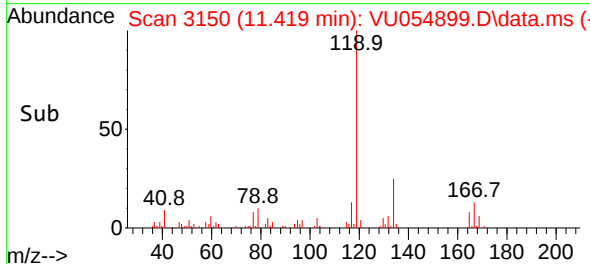
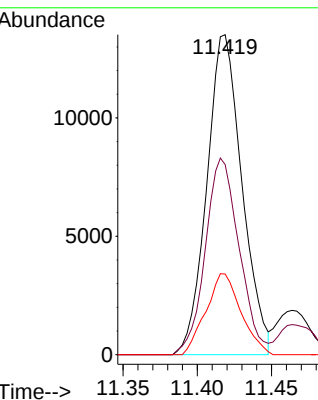
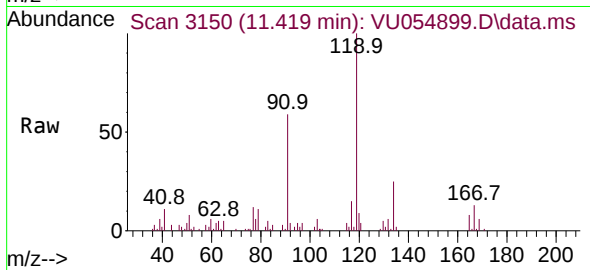
134 25.2 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#78

1,2,4-Trimethylbenzene

Concen: 0.874 ug/l

RT: 11.467 min Scan# 3165

Delta R.T. 0.004 min

Lab File: VU054899.D

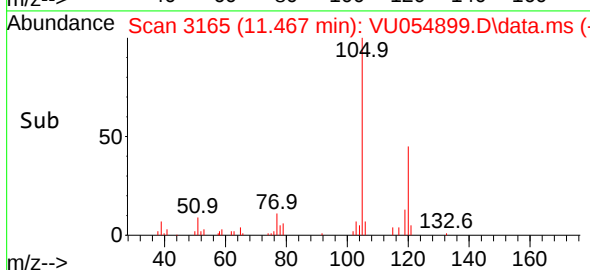
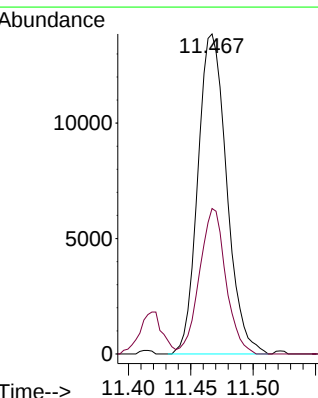
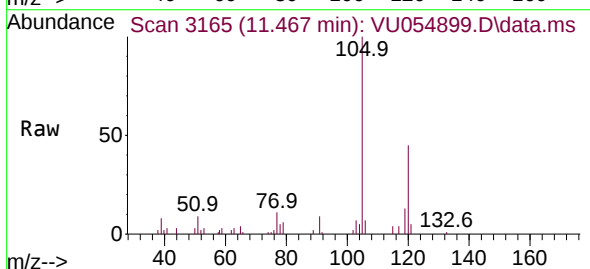
Acq: 27 Jul 2023 17:18

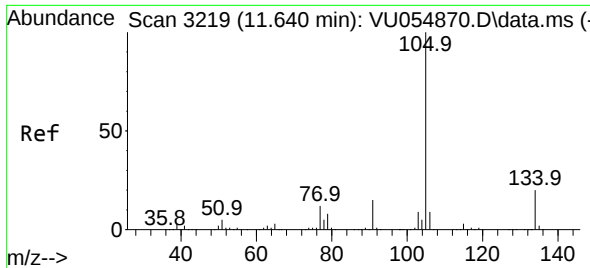
Tgt Ion:105 Resp: 22286

Ion Ratio Lower Upper

105 100

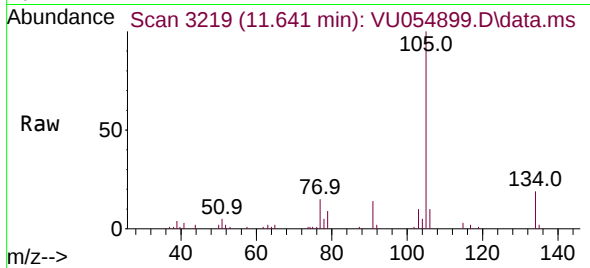
120 41.6 22.4 67.3





#79
 sec-Butylbenzene
 Concen: 0.828 ug/l
 RT: 11.641 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: VU054899.D
 Acq: 27 Jul 2023 17:18

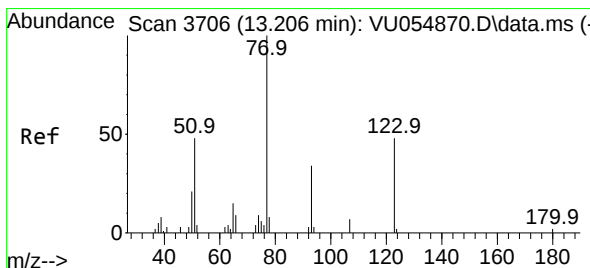
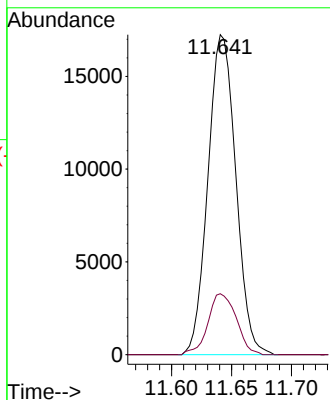
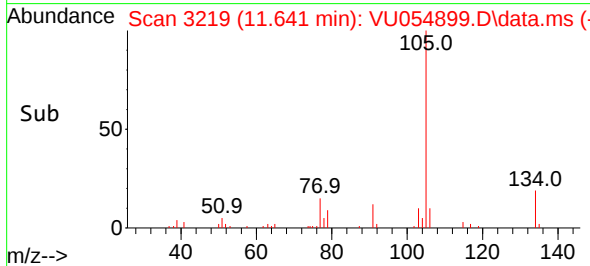
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK



Tgt Ion:105 Resp: 27872
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.7 23.5

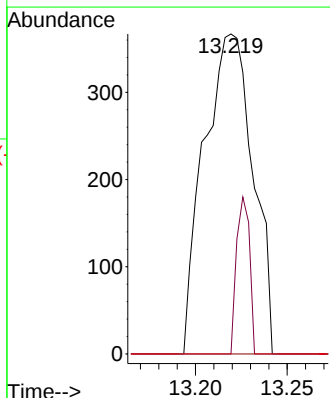
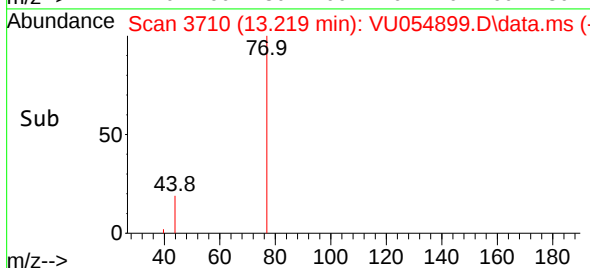
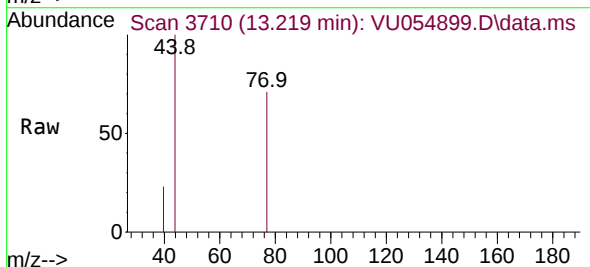
Manual Integrations
 APPROVED

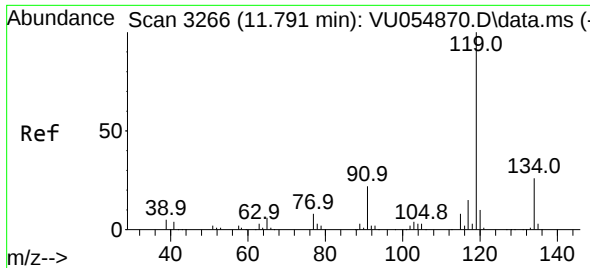
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#80
 Nitrobenzene
 Concen: 4.328 ug/l
 RT: 13.219 min Scan# 3710
 Delta R.T. 0.013 min
 Lab File: VU054899.D
 Acq: 27 Jul 2023 17:18

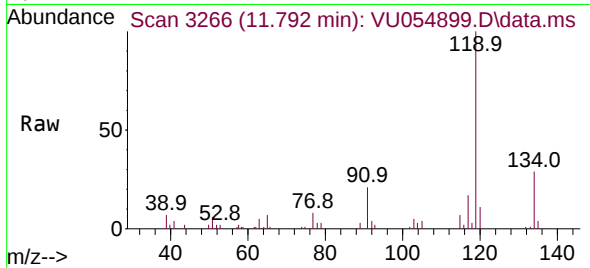
Tgt Ion: 77 Resp: 681
 Ion Ratio Lower Upper
 77 100
 123 13.1 20.2 71.8#
 65 0.0 11.7 14.9#





#81
p-Isopropyltoluene
Concen: 0.806 ug/l
RT: 11.792 min Scan# 3266
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

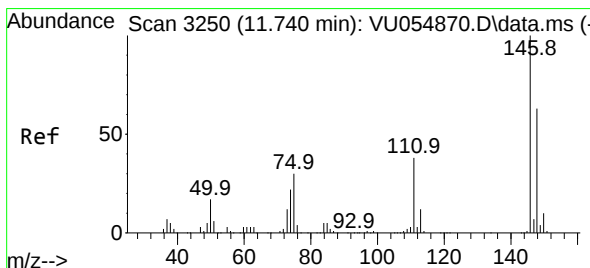
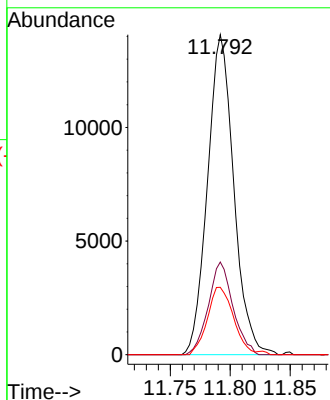
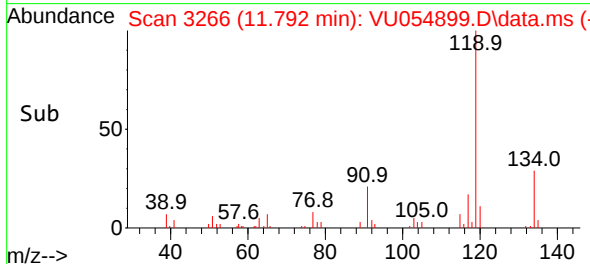
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



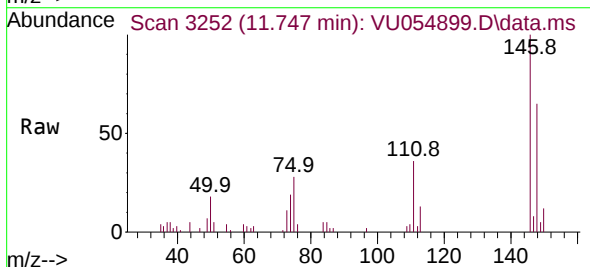
Tgt Ion:119 Resp: 21410
Ion Ratio Lower Upper
119 100
134 27.2 20.6 31.0
91 21.2 18.2 27.4

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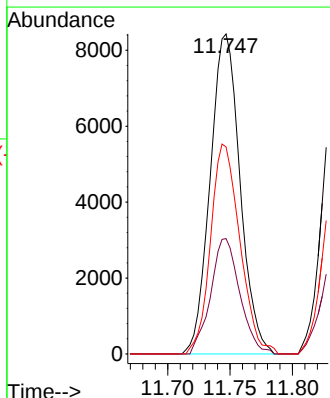
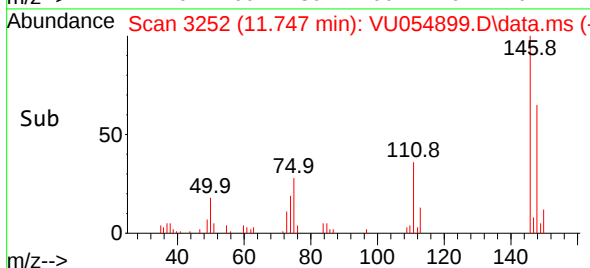
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

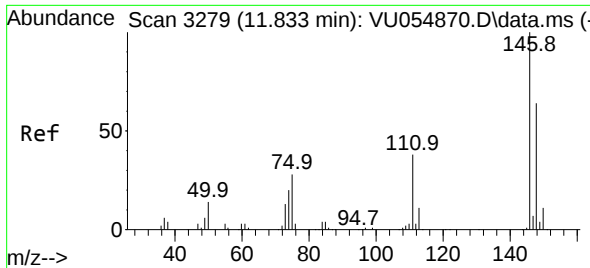


#82
1,3-Dichlorobenzene
Concen: 0.965 ug/l
RT: 11.747 min Scan# 3252
Delta R.T. 0.007 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



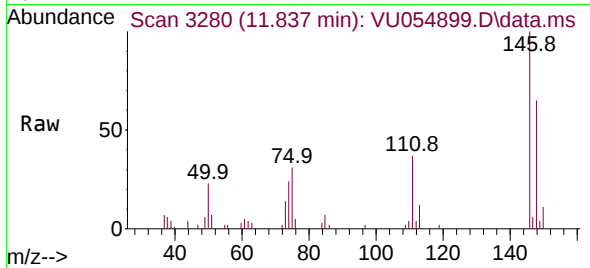
Tgt Ion:146 Resp: 14069
Ion Ratio Lower Upper
146 100
111 35.1 30.5 45.7
148 64.3 51.0 76.6





#83
1,4-Dichlorobenzene
Concen: 0.936 ug/l
RT: 11.837 min Scan# 31
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

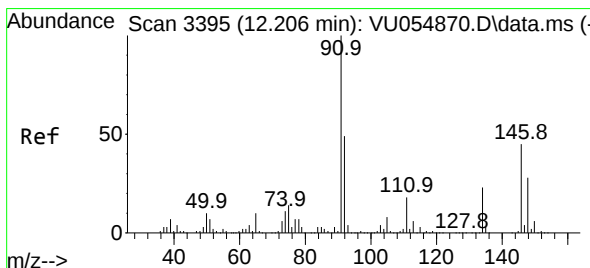
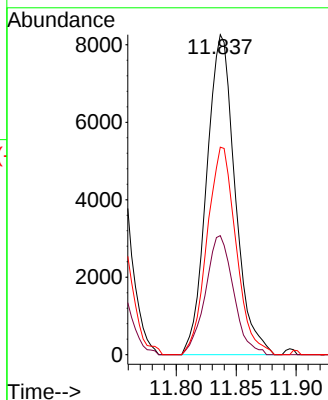
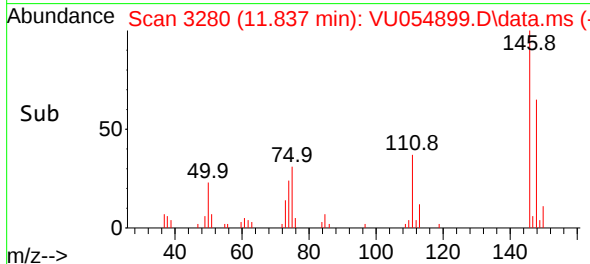
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



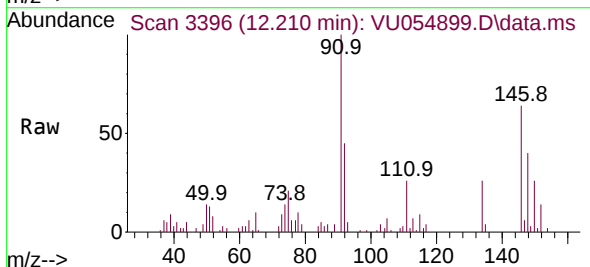
Tgt Ion:146 Resp: 1359
Ion Ratio Lower Upper
146 100
111 36.7 29.5 44.3
148 66.3 51.2 76.8

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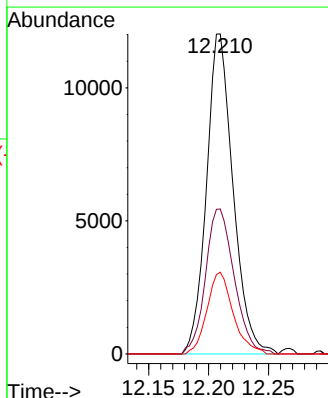
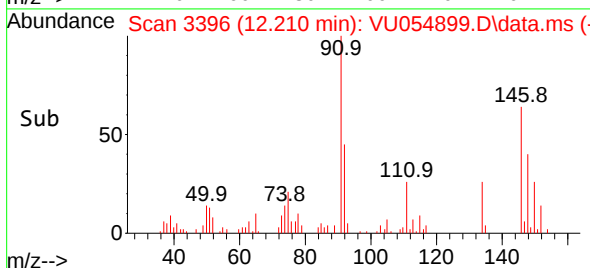
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

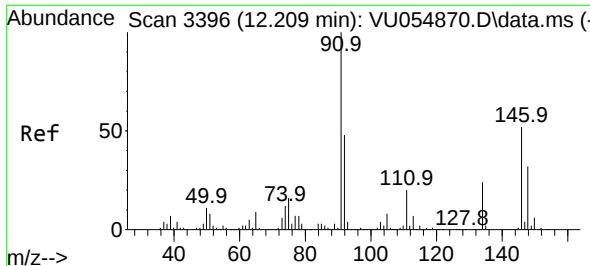


#84
n-Butylbenzene
Concen: 0.777 ug/l
RT: 12.210 min Scan# 3396
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



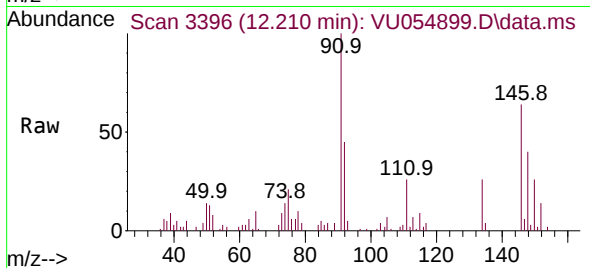
Tgt Ion: 91 Resp: 18545
Ion Ratio Lower Upper
91 100
92 48.9 39.8 59.8
134 25.1 20.2 30.4





#85
1,2-Dichlorobenzene
Concen: 0.939 ug/l
RT: 12.210 min Scan# 3396
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

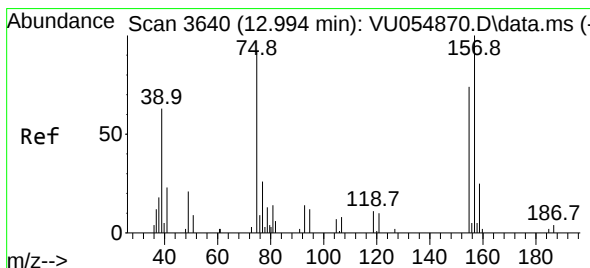
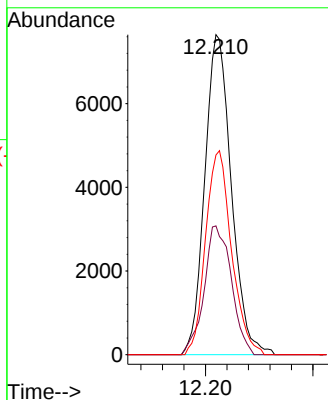
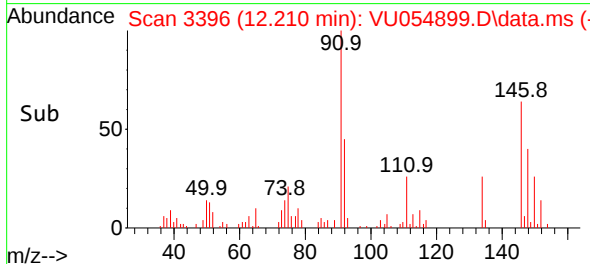
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



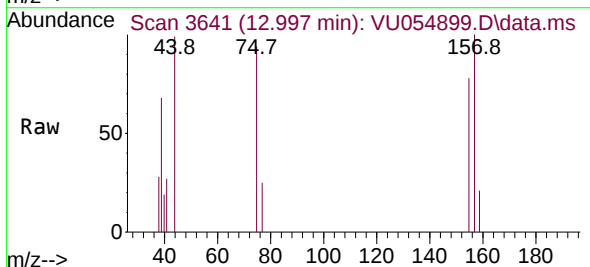
Tgt Ion:146 Resp: 13128
Ion Ratio Lower Upper
146 100
111 41.2 19.8 59.4
148 62.4 31.8 95.3

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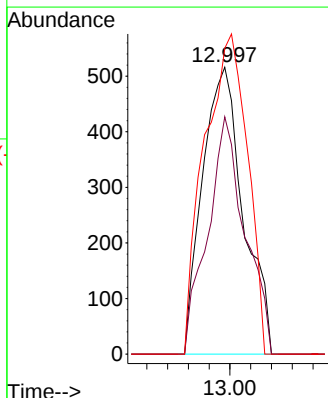
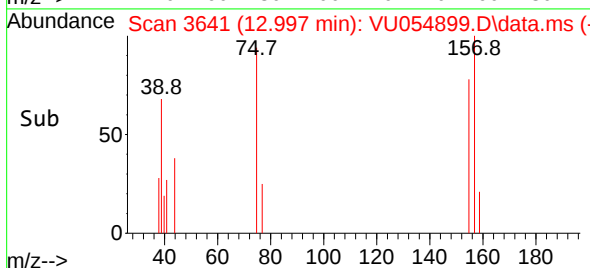
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

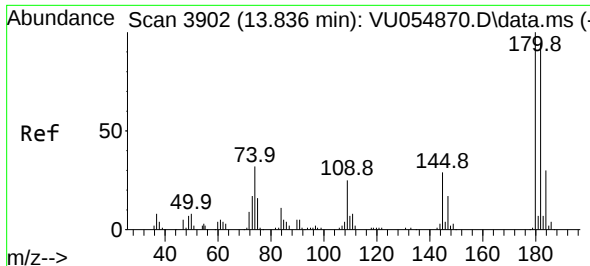


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.883 ug/l
RT: 12.997 min Scan# 3641
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



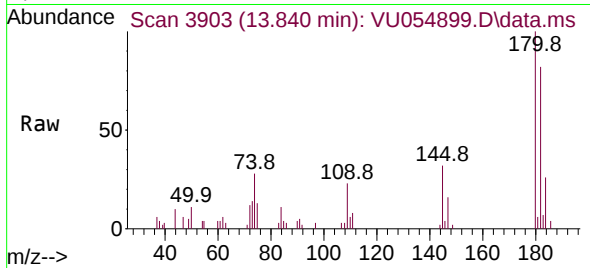
Tgt Ion: 75 Resp: 703
Ion Ratio Lower Upper
75 100
155 75.7 74.8 112.2
157 118.1 97.4 146.0





#87
1,2,4-Trichlorobenzene
Concen: 0.887 ug/l
RT: 13.840 min Scan# 3902
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

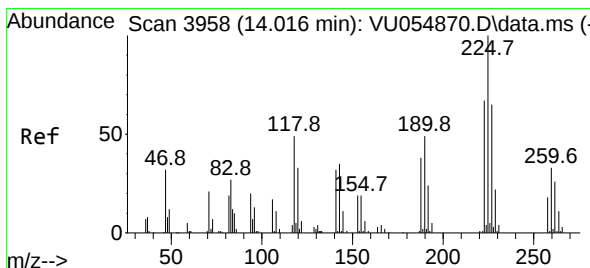
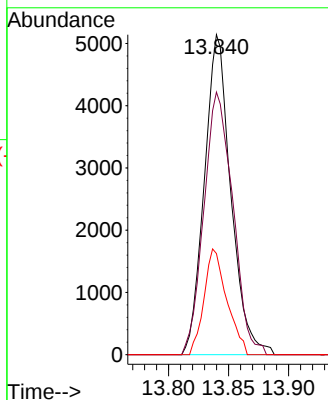
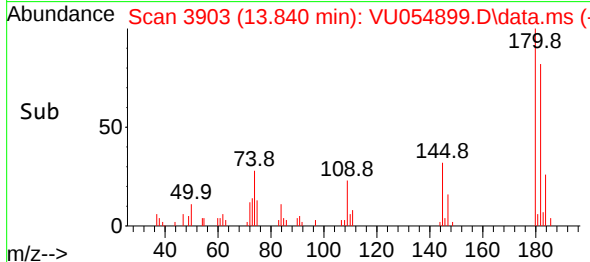
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:180 Resp: 7909
Ion Ratio Lower Upper
180 100
182 89.5 77.0 115.6
145 28.4 23.4 35.0

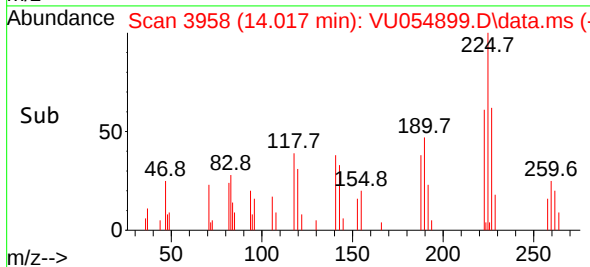
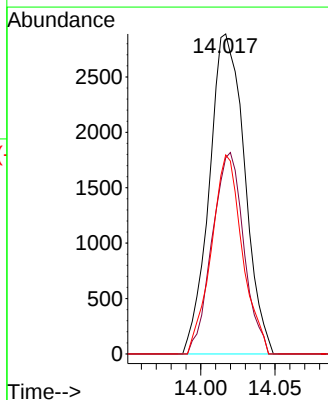
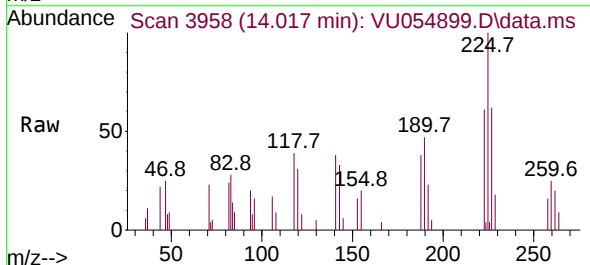
Manual Integrations
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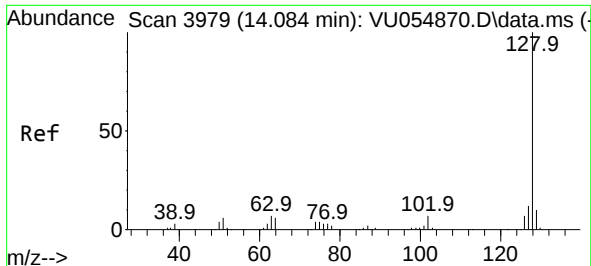
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#88
Hexachlorobutadiene
Concen: 1.002 ug/l
RT: 14.017 min Scan# 3958
Delta R.T. 0.001 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

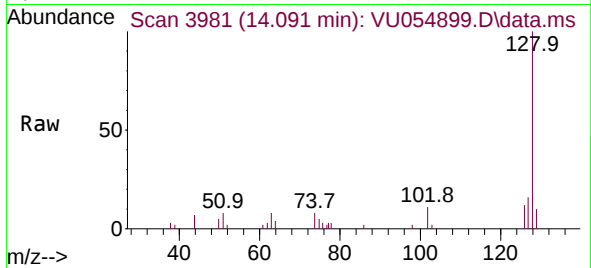
Tgt Ion:225 Resp: 4766
Ion Ratio Lower Upper
225 100
223 56.4 50.6 76.0
227 54.7 50.7 76.1





#89
Naphthalene
Concen: 0.832 ug/l
RT: 14.091 min Scan# 3981
Delta R.T. 0.007 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18

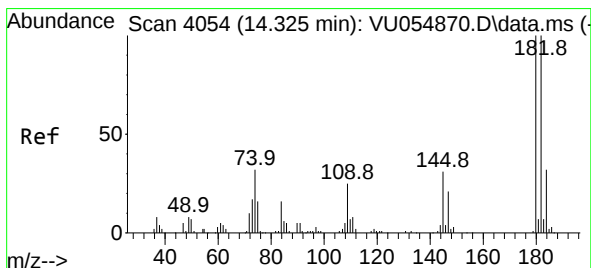
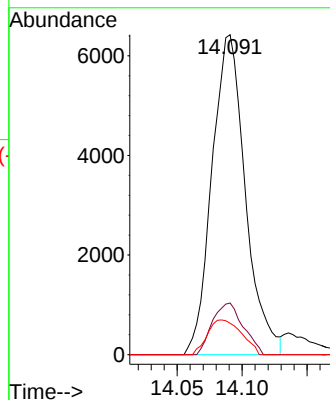
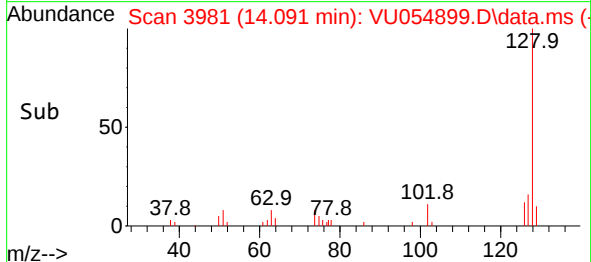
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



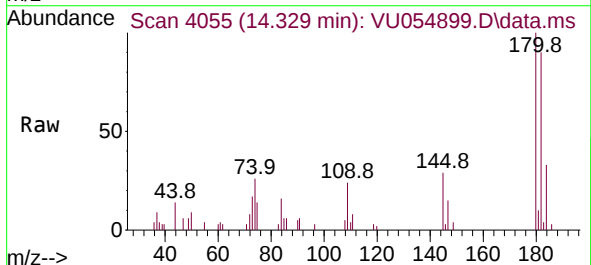
Tgt Ion:128 Resp: 1148
Ion Ratio Lower Upper
128 100
127 14.9 10.6 15.8
129 11.1 8.7 13.1

Manual Integrations
APPROVED

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



#90
1,2,3-Trichlorobenzene
Concen: 0.950 ug/l
RT: 14.329 min Scan# 4055
Delta R.T. 0.004 min
Lab File: VU054899.D
Acq: 27 Jul 2023 17:18



Tgt Ion:180 Resp: 7511
Ion Ratio Lower Upper
180 100
182 91.0 76.0 114.0
145 27.0 24.3 36.5

