

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072823\
 Data File : VU054910.D
 Acq On : 28 Jul 2023 15:16
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 23:28:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 28 23:25:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	27993	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	9122	1.075	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	9977	1.040	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	2867	0.538	ug/l	96
3) Chloromethane	1.518	50	3910	0.653	ug/l	94
4) Vinyl Chloride	1.599	62	4932	0.617	ug/l	94
5) Bromomethane	1.853	94	4529	0.714	ug/l	95
6) Chloroethane	1.930	64	4638	0.561	ug/l	91
7) Trichlorofluoromethane	2.133	101	10086	0.537	ug/l	84
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	3790	0.622	ug/l	92
9) 1,1-Dichloroethene	2.573	96	2951	0.611	ug/l	93
10) Iodomethane	2.718	142	2893	0.383	ug/l	94
11) Allyl Chloride	2.920	41	3457	0.599	ug/l	90
12) Acrylonitrile	3.338	53	1271	1.048	ug/l	97
13) Acetone	2.644	43	5859	4.622	ug/l	# 74
14) Carbon Disulfide	2.785	76	4519	0.540	ug/l	100
15) Methylene Chloride	3.042	84	5384	0.799	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	3106	0.590	ug/l	92
17) 1,1-Dichloroethane	3.866	63	7502	0.638	ug/l	# 93
18) 2-Butanone	4.734	43	6026m	3.768	ug/l	
19) Cyclohexane	5.383	56	4338m	0.655	ug/l	
20) Methylcyclohexane	6.759	83	5115	0.578	ug/l	96
21) 2,2-Dichloropropane	4.653	77	5906	0.541	ug/l	100
22) cis-1,2-Dichloroethene	4.669	96	4268	0.610	ug/l	96
23) Diethyl Ether	2.374	59	4105	0.576	ug/l	# 83
24) tert-Butyl Alcohol	3.219	59	3458m	5.213	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	9500	0.635	ug/l	98
26) Bromochloromethane	4.985	128	1244m	0.434	ug/l	
27) Chloroform	5.091	83	7925	0.627	ug/l	82
28) 1,1,1-Trichloroethane	5.312	97	6256	0.573	ug/l	95
29) 1,1-Dichloropropene	5.525	75	4675	0.581	ug/l	92
30) Carbon Tetrachloride	5.521	117	4952	0.544	ug/l	89
31) Isopropyl Ether	3.988	45	10190	0.587	ug/l	95
32) Ethyl-t-butyl ether	4.496	59	10700	0.598	ug/l	96
33) Tert-Amyl methyl ether	5.939	73	10208	0.604	ug/l	98
34) Propionitrile	4.827	54	1355m	3.073	ug/l	
35) Benzene	5.772	78	15480	0.614	ug/l	98
36) 1,2-Dichloroethane	5.798	62	4111	0.573	ug/l	# 84
37) Trichloroethene	6.544	130	4280	0.631	ug/l	93
38) 1,2-Dichloropropane	6.792	63	4355	0.611	ug/l	92
39) Methacrylonitrile	5.004	41	996m	0.563	ug/l	
40) Methyl acrylate	4.882	55	1646m	0.586	ug/l	
41) Tetrahydrofuran	5.075	42	1265m	1.252	ug/l	
42) 1-Chlorobutane	5.457	56	6534	0.620	ug/l	99
43) Dibromomethane	6.917	93	2018	0.603	ug/l	# 81
44) Bromodichloromethane	7.107	83	5944	0.637	ug/l	# 89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	12980	3.323	ug/l	95
46) t-1,4-Dichloro-2-butene	10.843	75	1513m	0.963	ug/l	
47) Methyl methacrylate	6.968	69	3391	1.108	ug/l	91
48) Ethyl methacrylate	8.335	69	3614	0.584	ug/l	95
49) Toluene	7.968	92	9740	0.606	ug/l	96
50) t-1,3-Dichloropropene	8.213	75	5161	0.623	ug/l	90
51) cis-1,3-Dichloropropene	7.608	75	5676	0.558	ug/l #	88
52) 1,1,2-Trichloroethane	8.402	97	3270	0.616	ug/l	90
53) 1,3-Dichloropropane	8.576	76	5263	0.613	ug/l	97
54) 2-Hexanone	8.689	43	9322	3.358	ug/l	95
55) Dibromochloromethane	8.808	129	2936	0.483	ug/l	90
56) 1,2-Dibromoethane	8.926	107	2725	0.606	ug/l	95
58) Tetrachloroethene	8.553	164	3546	0.599	ug/l	91
59) Chlorobenzene	9.447	112	11070	0.568	ug/l	90
60) 1,1,1,2-Tetrachloroethane	9.534	131	4576	0.665	ug/l #	83
61) Pentachloroethane	11.428	117	2787	0.518	ug/l	88
62) Hexachloroethane	12.470	117	2846	0.515	ug/l	92
63) Ethyl Benzene	9.570	91	18788	0.574	ug/l	94
64) m/p-Xylenes	9.695	106	14454	1.181	ug/l	100
65) o-Xylene	10.100	106	7125	0.567	ug/l	100
66) Styrene	10.116	104	11690	0.582	ug/l	97
67) Bromoform	10.293	173	1847	0.586	ug/l #	85
69) Isopropylbenzene	10.483	105	19945	0.591	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.782	83	4133	0.629	ug/l	96
71) 1,2,3-Trichloropropane	10.824	75	2976m	0.636	ug/l	
72) Bromobenzene	10.785	156	4550	0.606	ug/l	87
73) n-propylbenzene	10.907	120	4895	0.542	ug/l	97
74) 2-Chlorotoluene	10.987	126	4353	0.557	ug/l	97
75) 1,3,5-Trimethylbenzene	11.087	105	15161	0.555	ug/l	99
76) 4-Chlorotoluene	11.097	126	4849	0.597	ug/l	99
77) tert-Butylbenzene	11.418	119	15588	0.549	ug/l	100
78) 1,2,4-Trimethylbenzene	11.470	105	14295	0.511	ug/l	99
79) sec-Butylbenzene	11.643	105	19971	0.541	ug/l	99
80) Nitrobenzene	13.241	77	397m	2.300	ug/l	
81) p-Isopropyltoluene	11.795	119	14040	0.482	ug/l	97
82) 1,3-Dichlorobenzene	11.746	146	9713	0.607	ug/l	98
83) 1,4-Dichlorobenzene	11.840	146	9649	0.605	ug/l	96
84) n-Butylbenzene	12.209	91	12213	0.466	ug/l	98
85) 1,2-Dichlorobenzene	12.213	146	9135	0.596	ug/l	93
86) 1,2-Dibromo-3-Chloropr...	12.997	75	405	0.464	ug/l #	56
87) 1,2,4-Trichlorobenzene	13.843	180	5349	0.547	ug/l	98
88) Hexachlorobutadiene	14.020	225	2941	0.564	ug/l	96
89) Naphthalene	14.093	128	7601	0.502	ug/l	98
90) 1,2,3-Trichlorobenzene	14.335	180	4961	0.572	ug/l	95

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

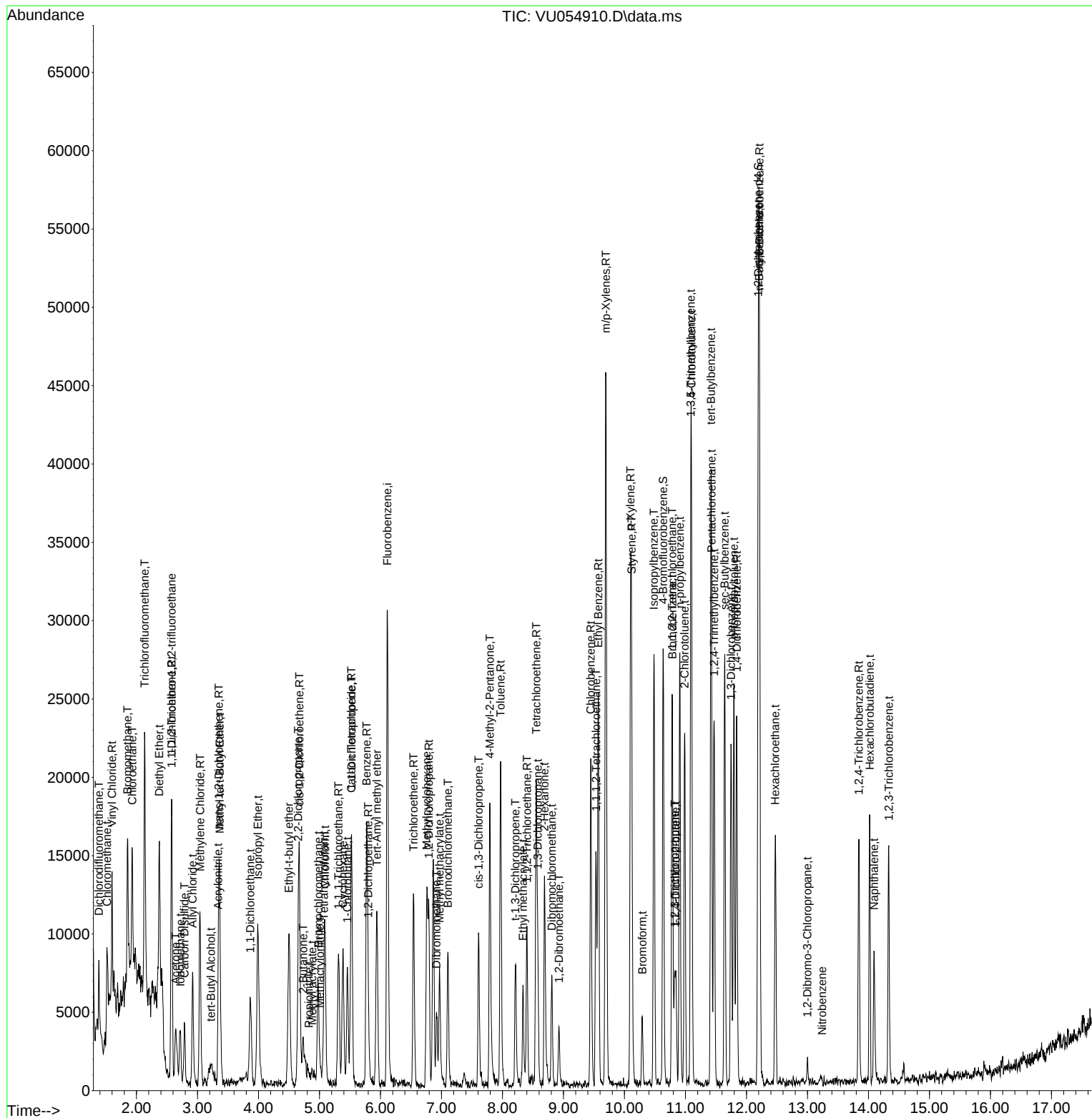
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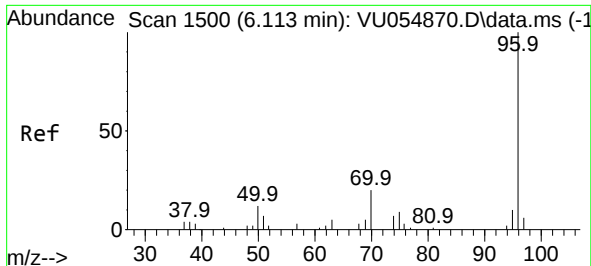
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 ClientSampleId :
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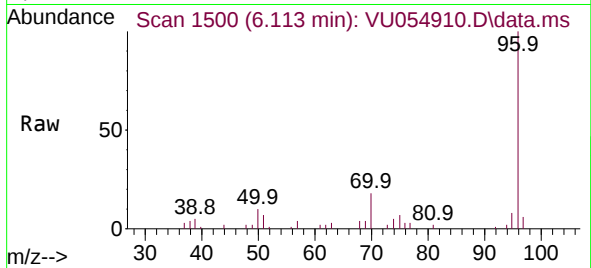
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023





#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

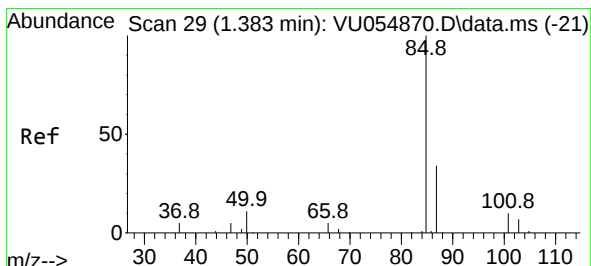
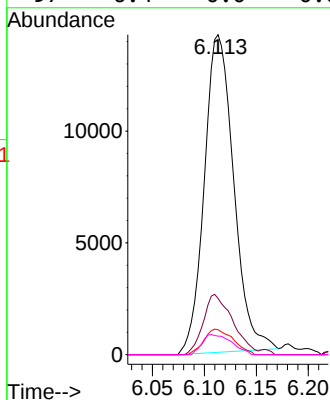
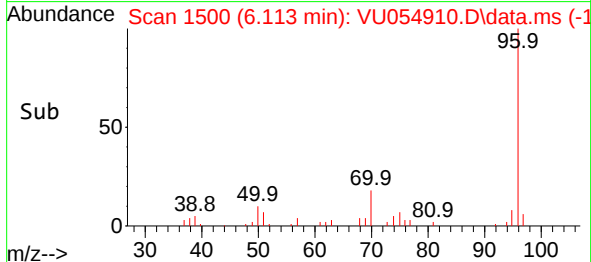
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 96 Resp: 2799
Ion Ratio Lower Upper
96 100
70 17.8 14.0 21.0
95 8.0 8.7 13.1
97 6.4 0.0 0.0#

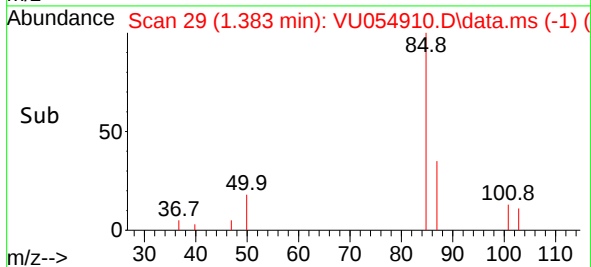
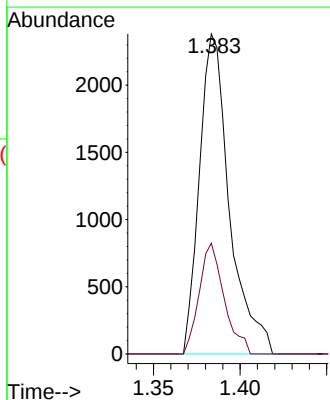
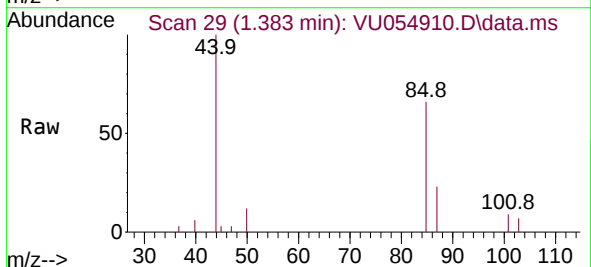
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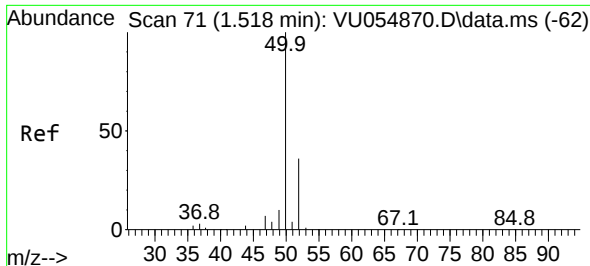
Reviewed By :John Carlone 07/31/2023
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#2
Dichlorodifluoromethane
Concen: 0.538 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

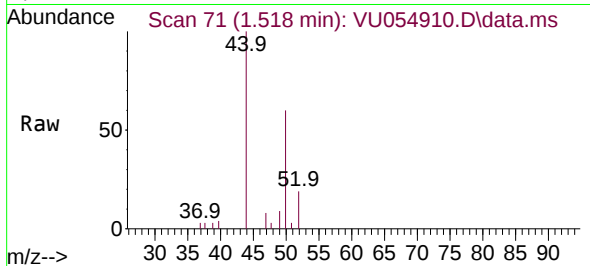
Tgt Ion: 85 Resp: 2867
Ion Ratio Lower Upper
85 100
87 34.6 16.2 48.6





#3
Chloromethane
Concen: 0.653 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

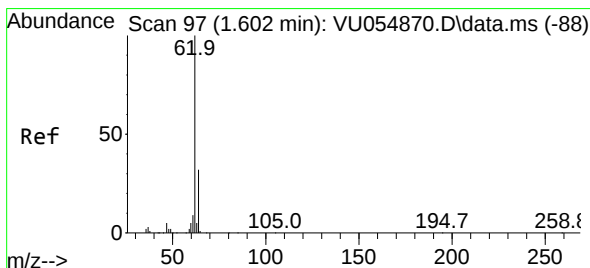
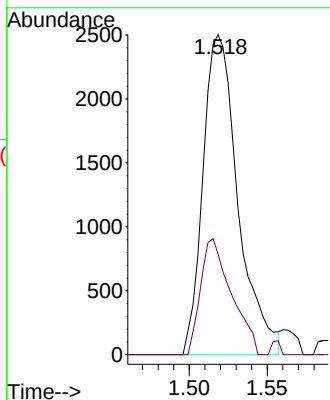
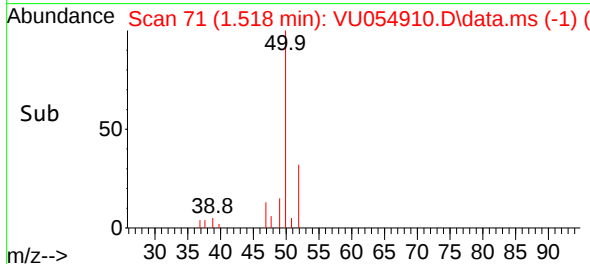
Instrument :
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ClientSampleId :
RL-CHECK



Tgt Ion: 50 Resp: 3910
Ion Ratio Lower Upper
50 100
52 31.5 28.2 42.2

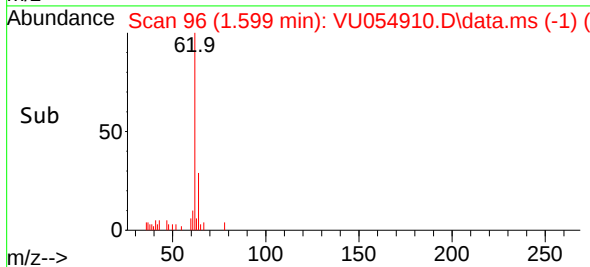
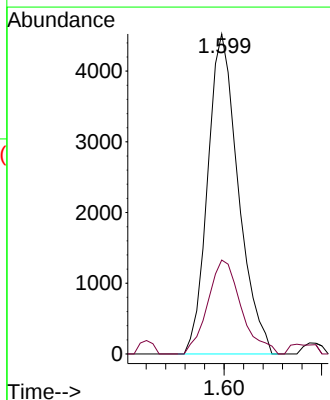
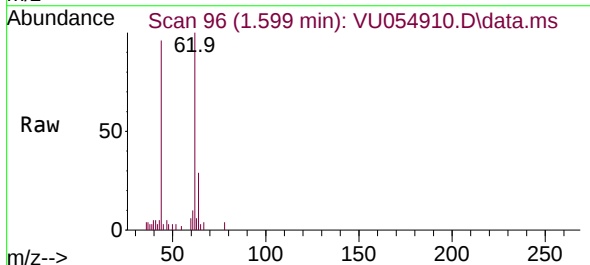
Manual Integrations
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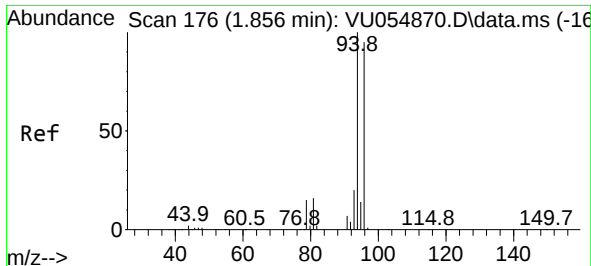
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#4
Vinyl Chloride
Concen: 0.617 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

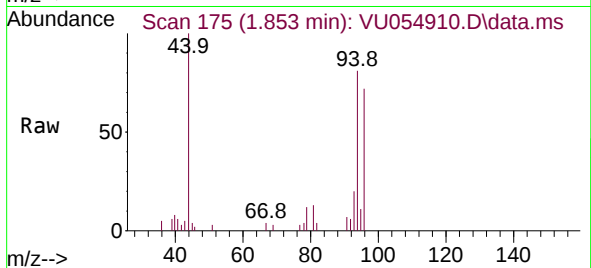
Tgt Ion: 62 Resp: 4932
Ion Ratio Lower Upper
62 100
64 29.3 26.4 39.6





#5
Bromomethane
Concen: 0.714 ug/l
RT: 1.853 min Scan# 175
Delta R.T. -0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

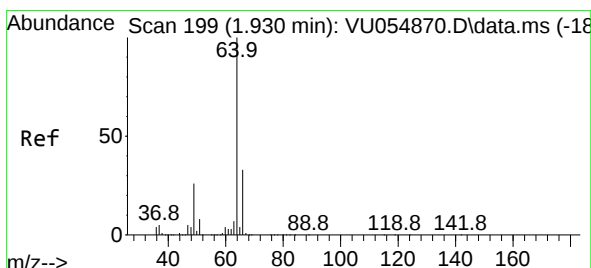
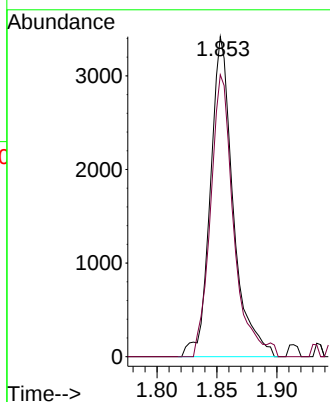
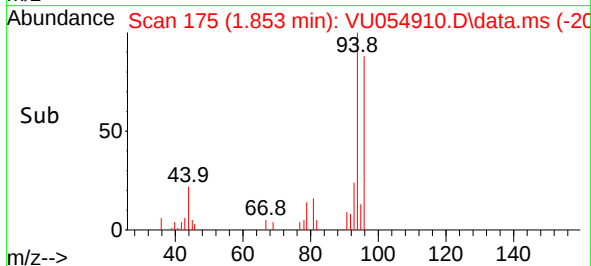
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 94 Resp: 4529
Ion Ratio Lower Upper
94 100
96 88.1 74.6 111.8

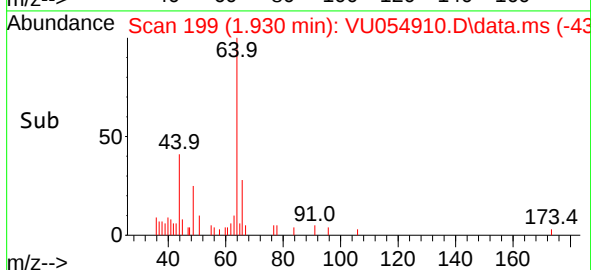
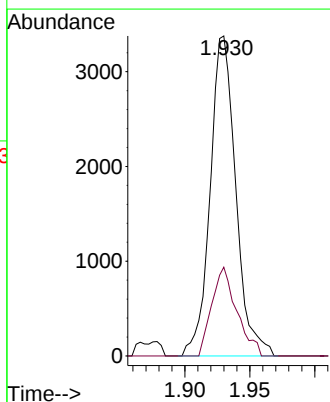
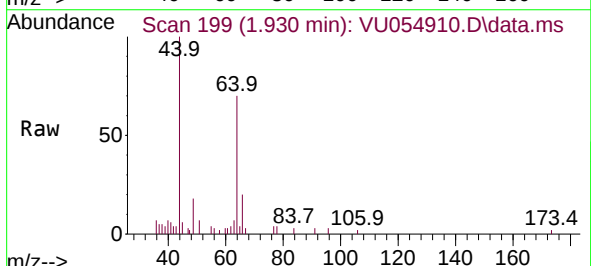
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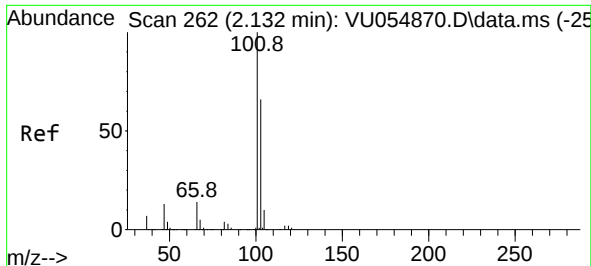
Reviewed By :John Carlone 07/31/2023
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#6
Chloroethane
Concen: 0.561 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion: 64 Resp: 4638
Ion Ratio Lower Upper
64 100
66 27.8 26.2 39.4





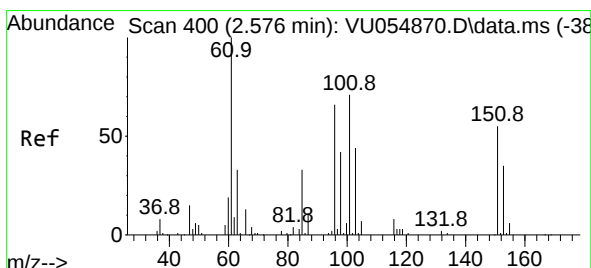
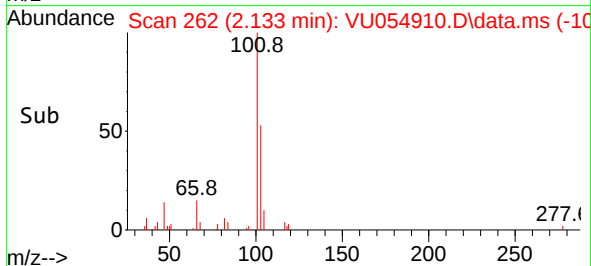
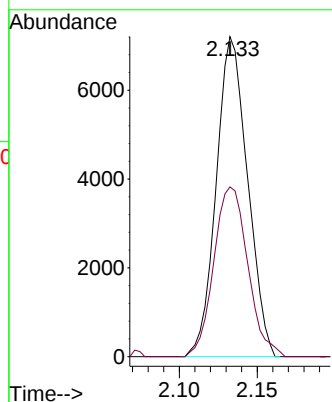
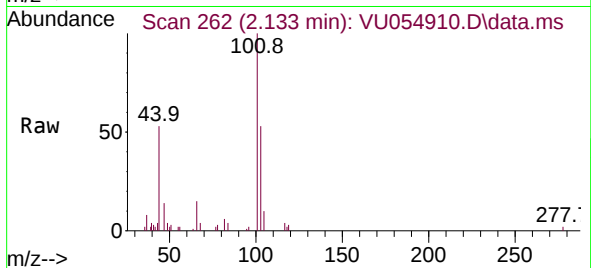
#7
 Trichlorofluoromethane
 Concen: 0.537 ug/l
 RT: 2.133 min Scan# 210
 Delta R.T. 0.000 min
 Lab File: VU054910.D
 Acq: 28 Jul 2023 15:16

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Tgt Ion:101 Resp: 10080
 Ion Ratio Lower Upper
 101 100
 103 53.1 52.9 79.3

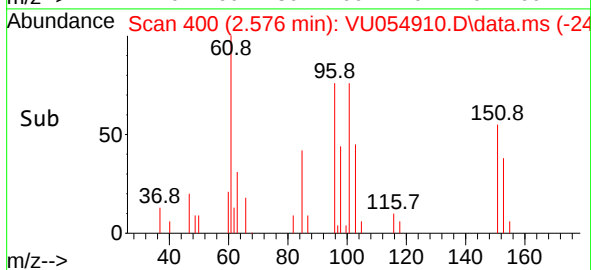
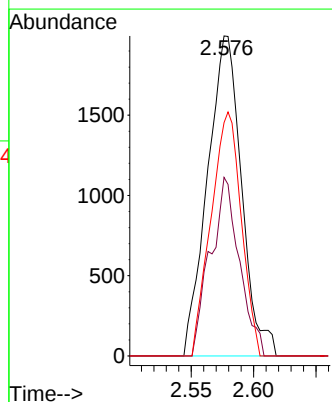
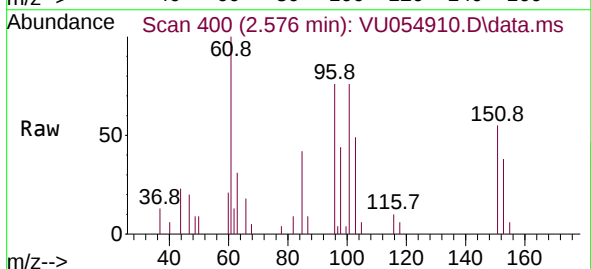
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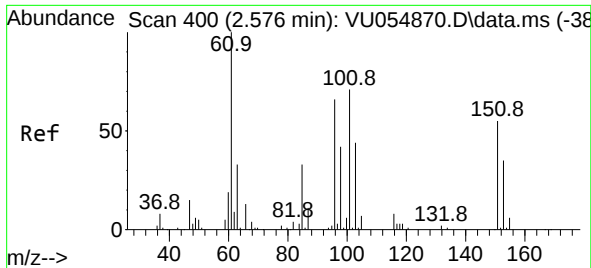
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.622 ug/l
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU054910.D
 Acq: 28 Jul 2023 15:16

Tgt Ion:101 Resp: 3790
 Ion Ratio Lower Upper
 101 100
 85 47.6 34.8 52.2
 151 67.7 60.5 90.7





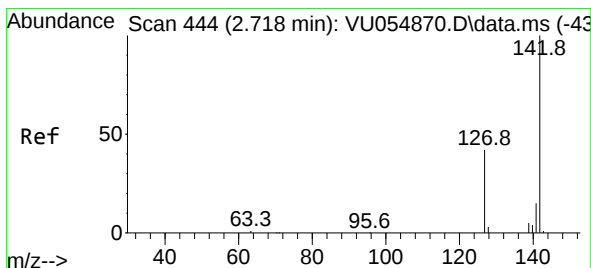
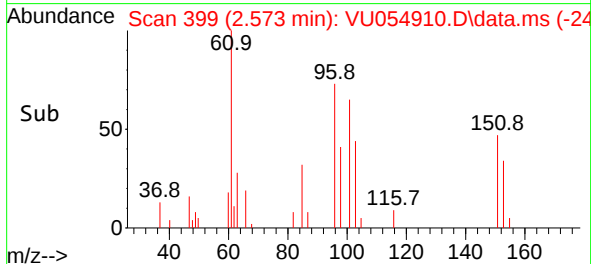
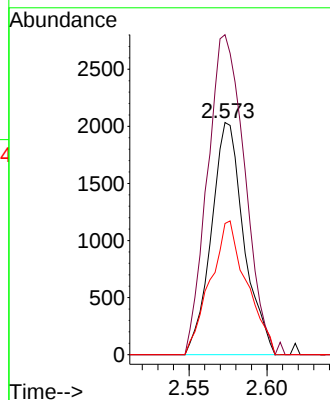
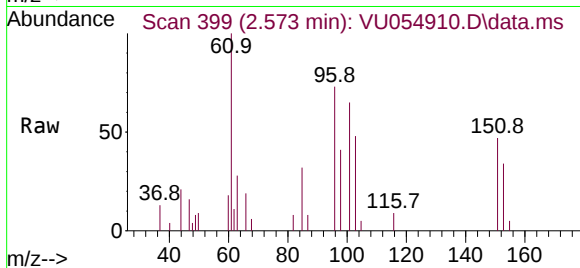
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1,1-Dichloroethene
Concen: 0.611 ug/l
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 96 Resp: 295
Ion Ratio Lower Upper
96 100
61 137.9 0.0 440.1
98 56.5 0.0 121.8

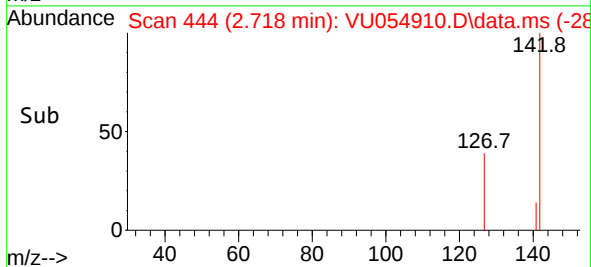
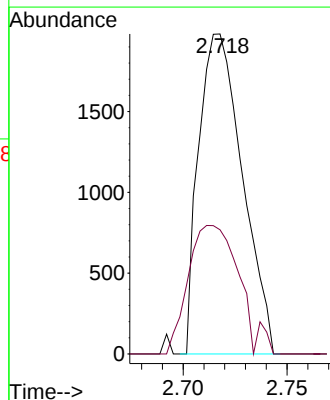
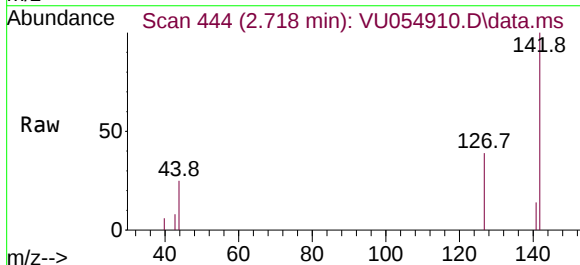
Manual Integrations
APPROVED

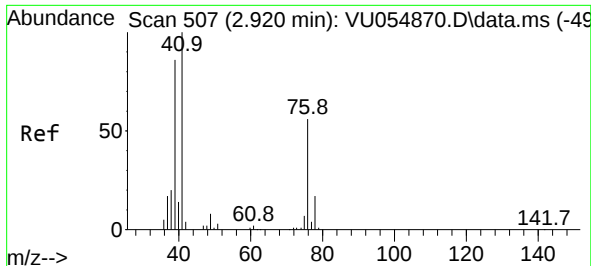
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#10
Iodomethane
Concen: 0.383 ug/l
RT: 2.718 min Scan# 444
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion:142 Resp: 2893
Ion Ratio Lower Upper
142 100
127 46.9 34.3 51.5





#11

Allyl Chloride

Concen: 0.599 ug/l

RT: 2.920 min Scan# 507

Delta R.T. 0.000 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 41 Resp: 345

Ion Ratio Lower Upper

41 100

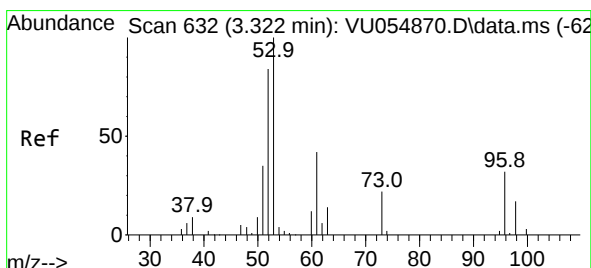
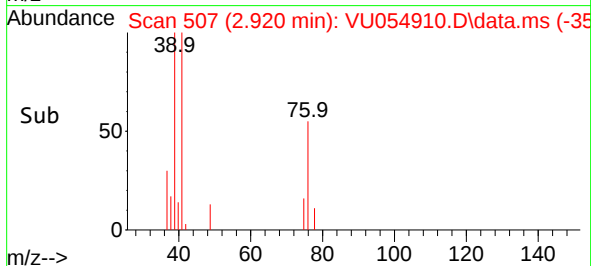
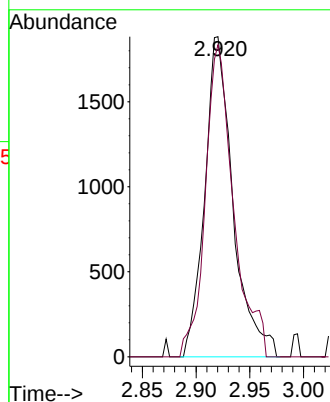
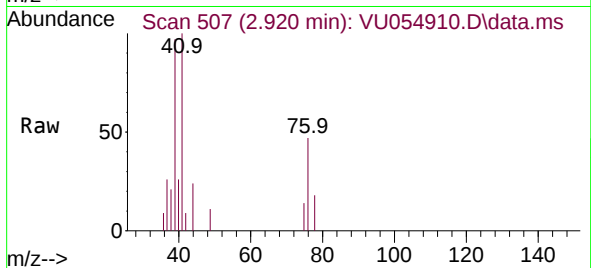
39 96.9 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#12

Acrylonitrile

Concen: 1.048 ug/l

RT: 3.338 min Scan# 637

Delta R.T. 0.016 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

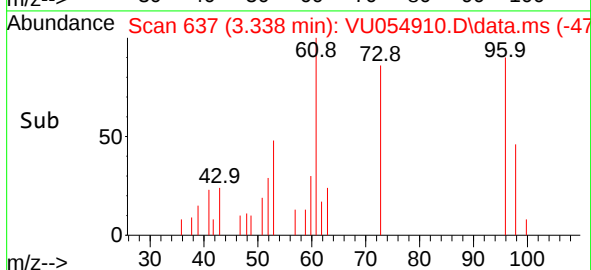
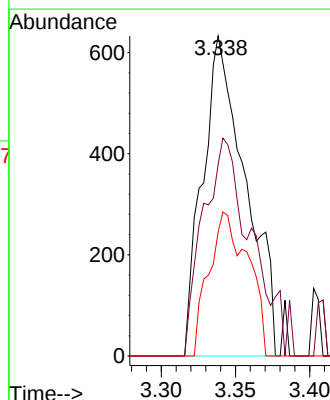
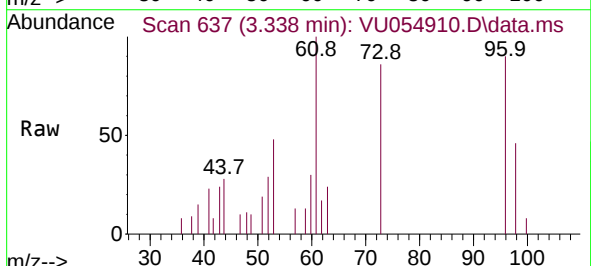
Tgt Ion: 53 Resp: 1271

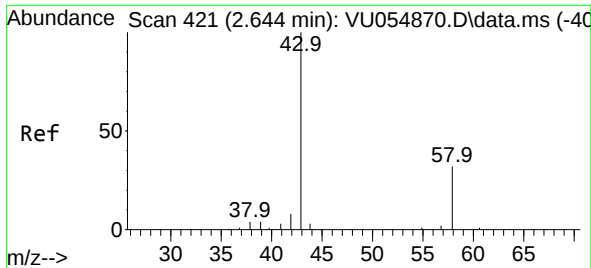
Ion Ratio Lower Upper

53 100

52 77.3 64.2 96.4

51 41.1 33.6 50.4





#13

Acetone

Concen: 4.622 ug/l

RT: 2.644 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

43 100

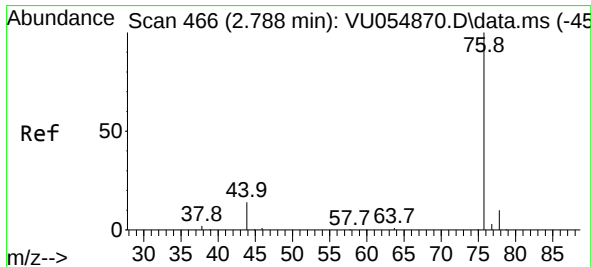
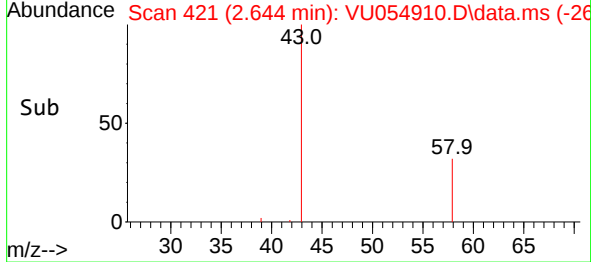
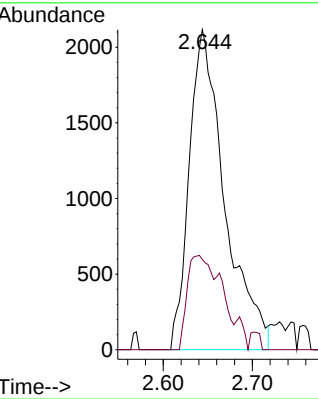
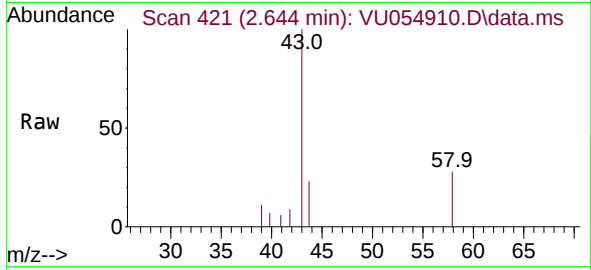
58 22.9 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#14

Carbon Disulfide

Concen: 0.540 ug/l

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU054910.D

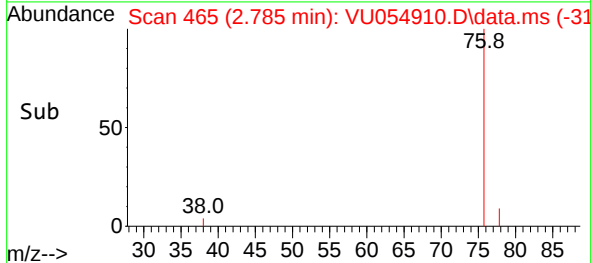
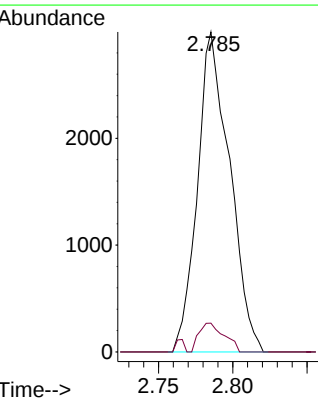
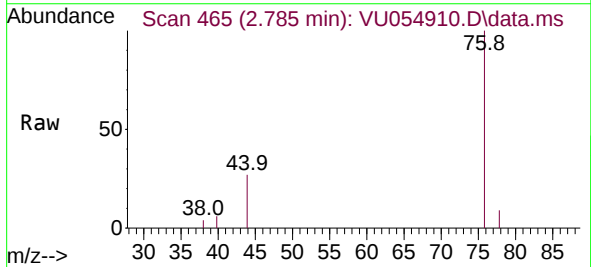
Acq: 28 Jul 2023 15:16

Tgt Ion: 76 Resp: 4519

Ion Ratio Lower Upper

76 100

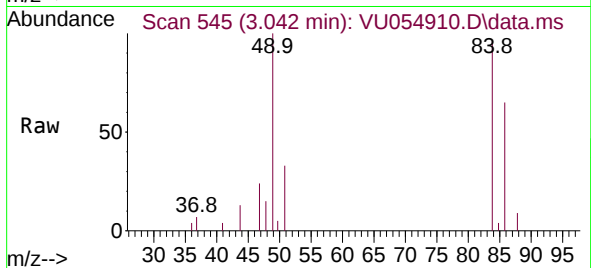
78 9.0 7.1 10.7





#15
Methylene Chloride
Concen: 0.799 ug/l
RT: 3.042 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

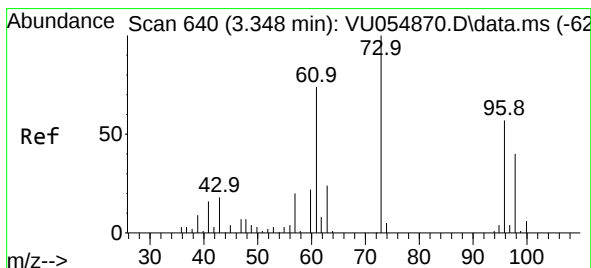
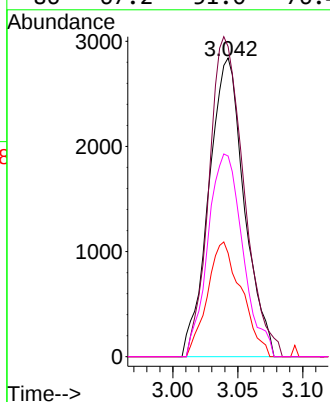
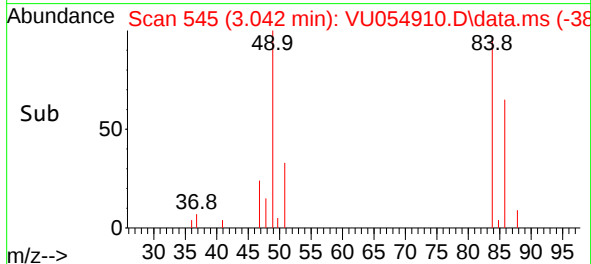
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 84 Resp: 5384
Ion Ratio Lower Upper
84 100
49 109.0 87.8 131.6
51 34.7 0.0 68.2
86 67.2 51.0 76.4

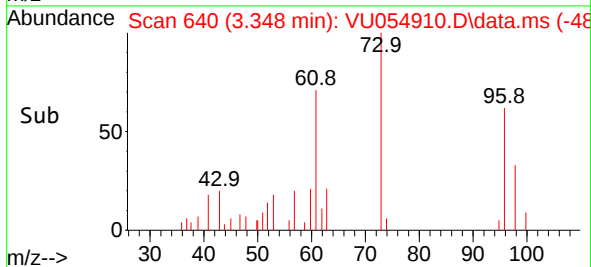
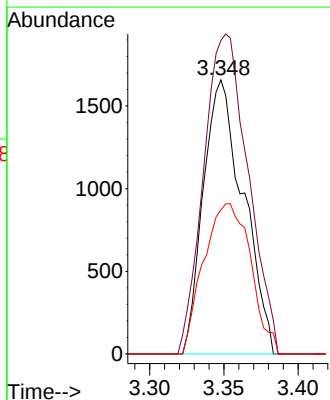
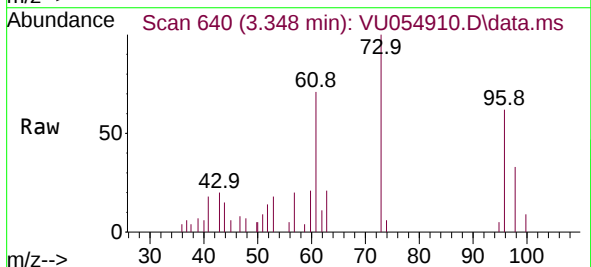
Manual Integrations
APPROVED

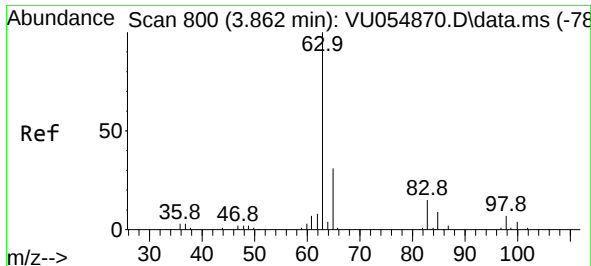
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#16
trans-1,2-Dichloroethene
Concen: 0.590 ug/l
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion: 96 Resp: 3106
Ion Ratio Lower Upper
96 100
61 114.4 96.4 144.6
98 52.5 49.3 73.9





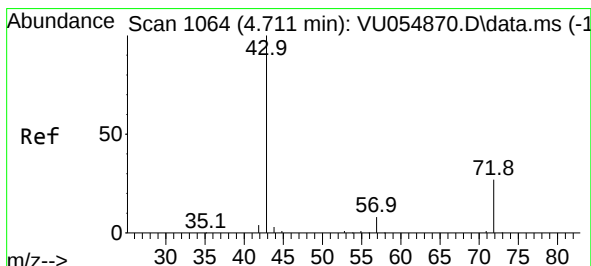
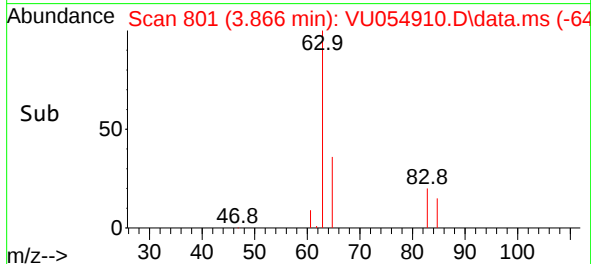
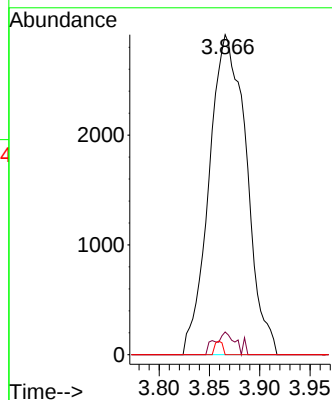
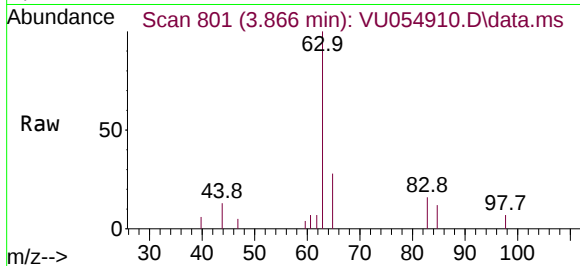
#17
1,1-Dichloroethane
Concen: 0.638 ug/l
RT: 3.866 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 63 Resp: 7502
Ion Ratio Lower Upper
63 100
98 7.1 3.6 10.8
100 0.0 2.8 8.4

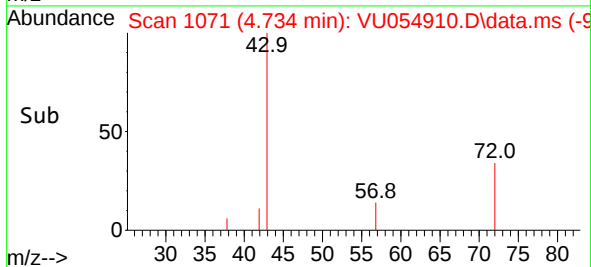
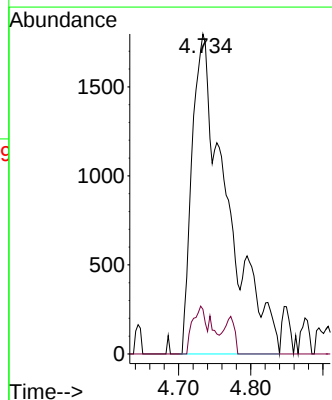
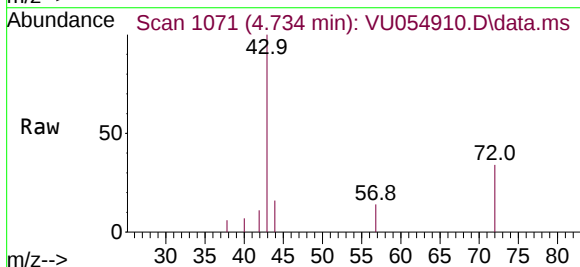
Manual Integrations
APPROVED

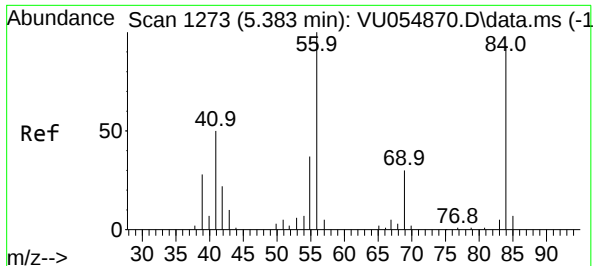
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
2-Butanone
Concen: 3.768 ug/l m
RT: 4.734 min Scan# 1071
Delta R.T. 0.023 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion: 43 Resp: 6026
Ion Ratio Lower Upper
43 100
57 14.0 0.0 20.8





#19

Cyclohexane

Concen: 0.655 ug/l m

RT: 5.383 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 56 Resp: 4338

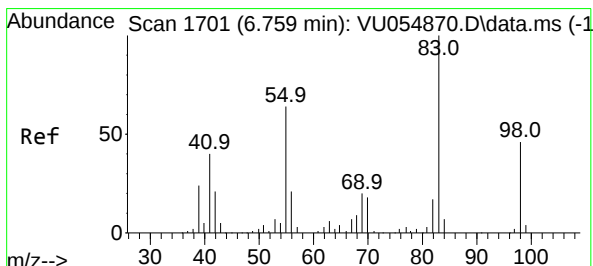
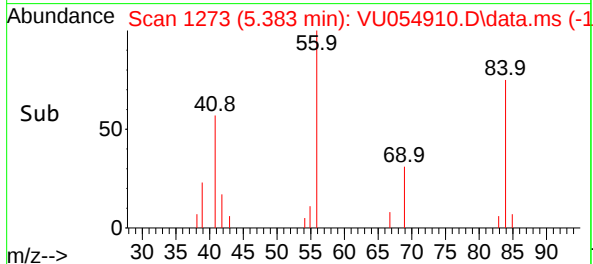
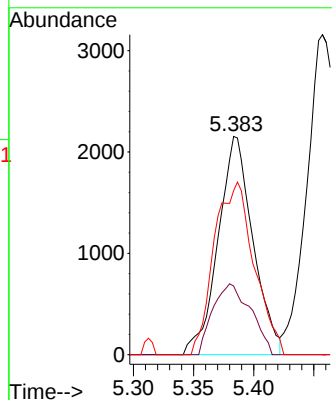
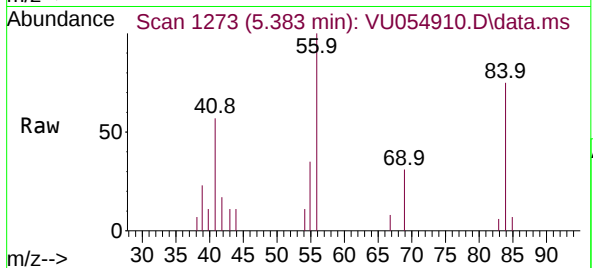
Ion	Ratio	Lower	Upper
56	100		
69	35.2	24.7	37.1
84	90.6	76.5	114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#20

Methylcyclohexane

Concen: 0.578 ug/l

RT: 6.759 min Scan# 1701

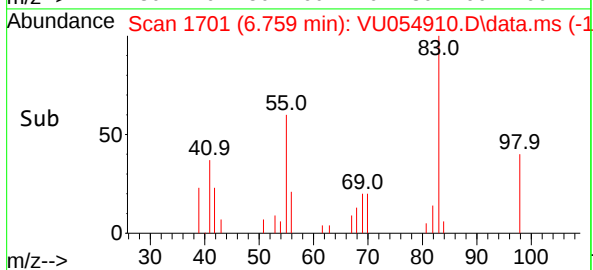
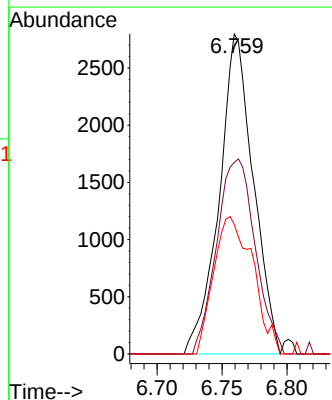
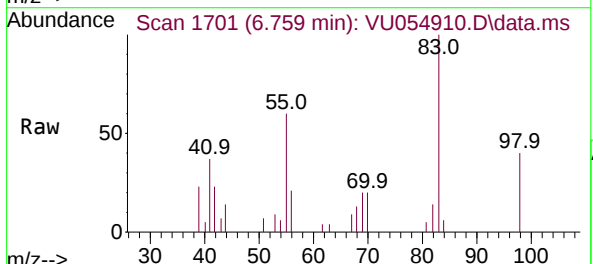
Delta R.T. 0.000 min

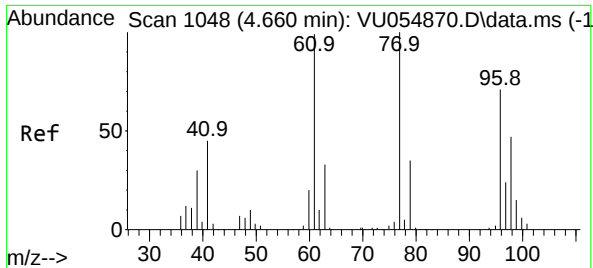
Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Tgt Ion: 83 Resp: 5115

Ion	Ratio	Lower	Upper
83	100		
55	68.8	51.6	77.4
98	49.3	38.2	57.2





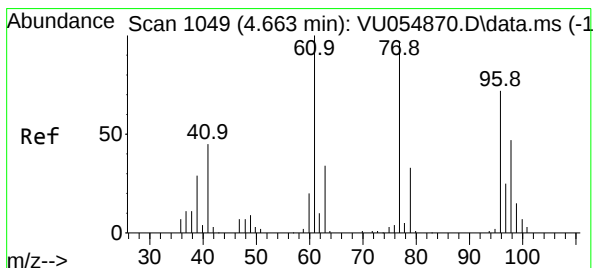
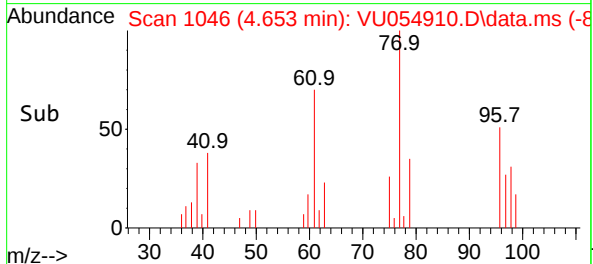
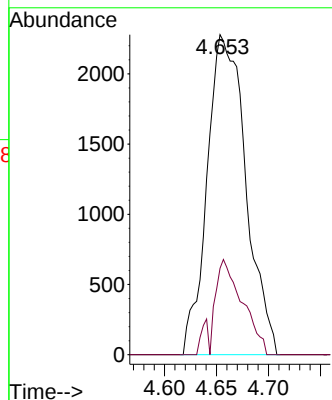
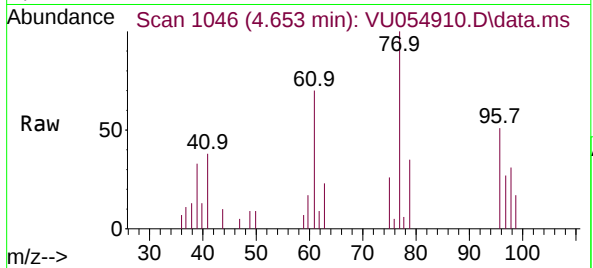
#21
2,2-Dichloropropane
Concen: 0.541 ug/l
RT: 4.653 min Scan# 1046
Delta R.T. -0.006 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 77 Resp: 5900
Ion Ratio Lower Upper
77 100
97 22.3 18.0 27.0

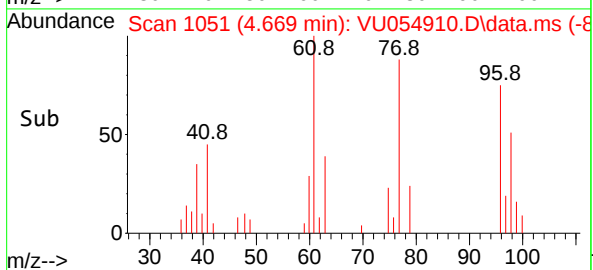
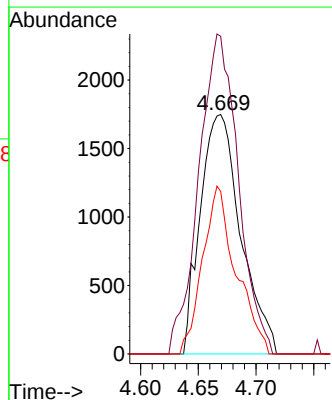
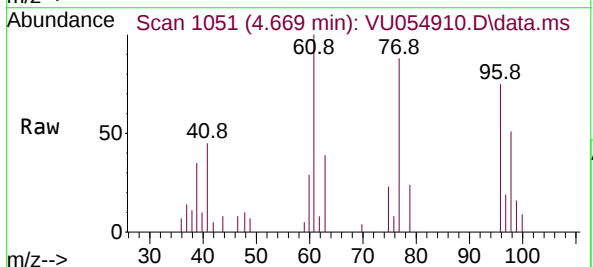
Manual Integrations
APPROVED

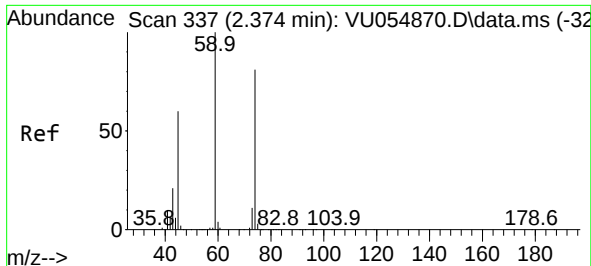
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#22
cis-1,2-Dichloroethene
Concen: 0.610 ug/l
RT: 4.669 min Scan# 1051
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

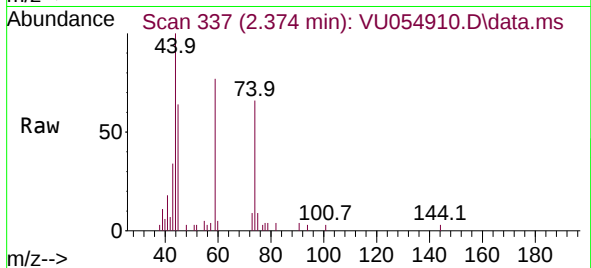
Tgt Ion: 96 Resp: 4268
Ion Ratio Lower Upper
96 100
61 130.2 0.0 332.0
98 57.9 32.5 97.5





#23
Diethyl Ether
Concen: 0.576 ug/l
RT: 2.374 min Scan# 310
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

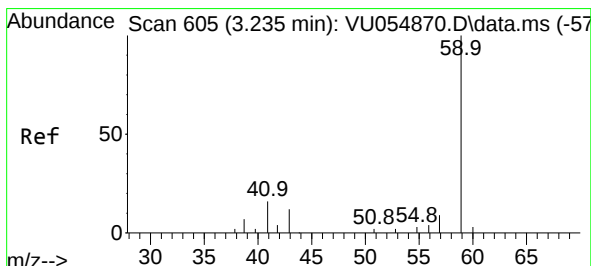
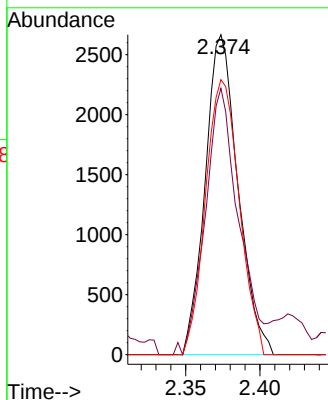
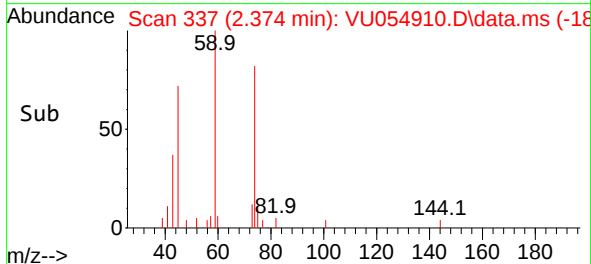
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 59 Resp: 410
Ion Ratio Lower Upper
59 100
45 84.0 51.4 77.0
74 88.0 63.1 94.7

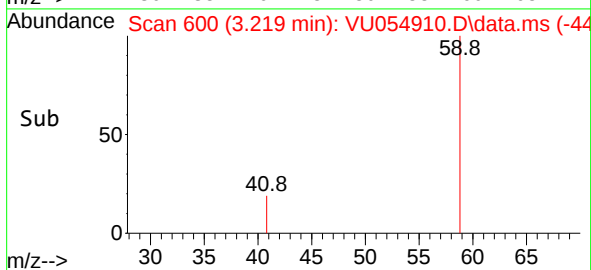
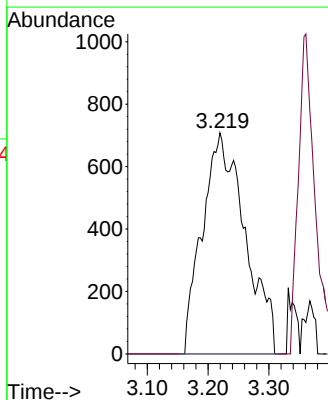
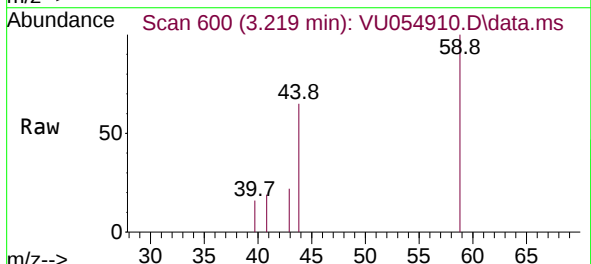
Manual Integrations
APPROVED

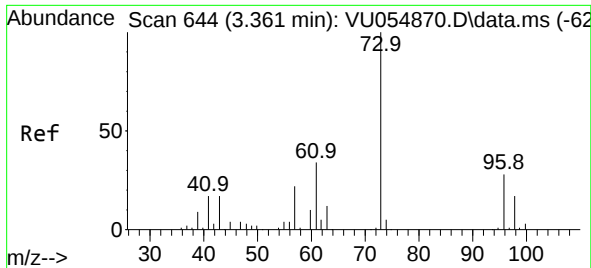
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#24
tert-Butyl Alcohol
Concen: 5.213 ug/l m
RT: 3.219 min Scan# 600
Delta R.T. -0.016 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

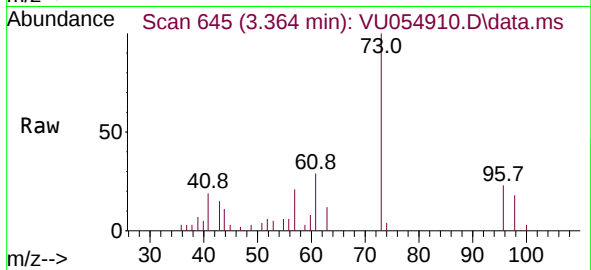
Tgt Ion: 59 Resp: 3458
Ion Ratio Lower Upper
59 100
57 0.0 2.2 3.2#





#25
Methyl tert-Butyl Ether
Concen: 0.635 ug/l
RT: 3.364 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

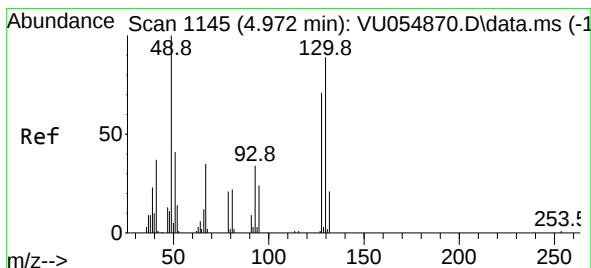
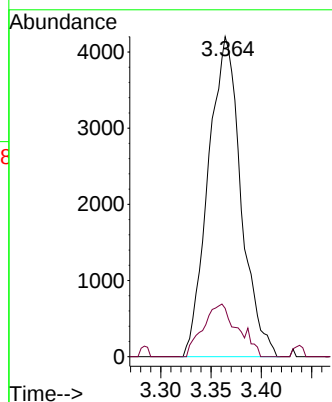
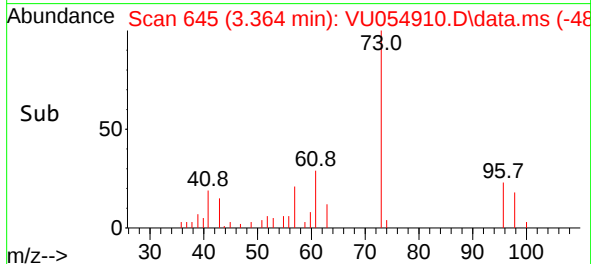
Instrument :
MSVOA_U
Client SampleId :
RL-CHECK



Tgt Ion: 73 Resp: 9500
Ion Ratio Lower Upper
73 100
43 17.4 14.6 22.0

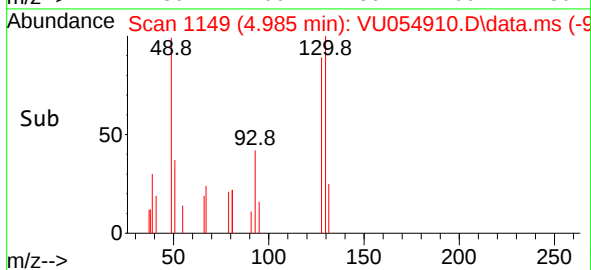
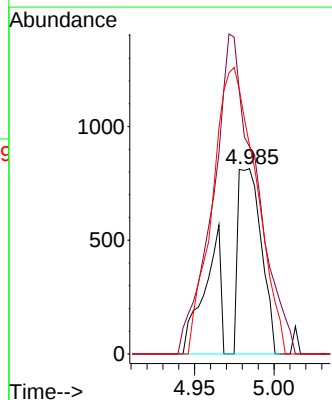
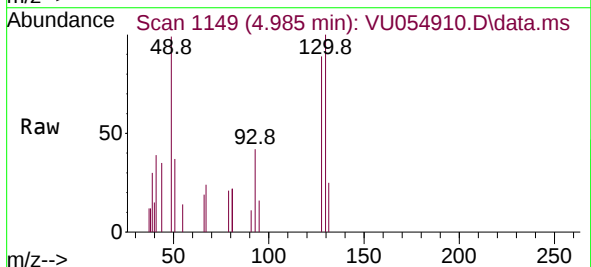
Manual Integrations
APPROVED

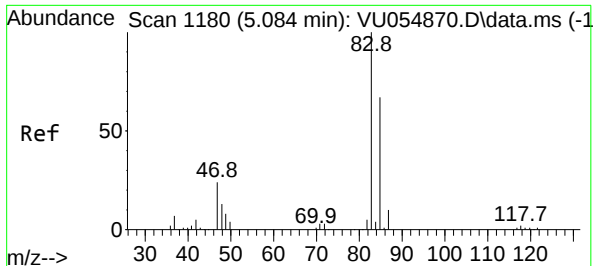
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#26
Bromochloromethane
Concen: 0.434 ug/l m
RT: 4.985 min Scan# 1149
Delta R.T. 0.013 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion:128 Resp: 1244
Ion Ratio Lower Upper
128 100
49 211.3 0.0 304.0
130 195.0 104.3 156.5#





#27

Chloroform

Concen: 0.627 ug/l

RT: 5.091 min Scan# 1182

Delta R.T. 0.007 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

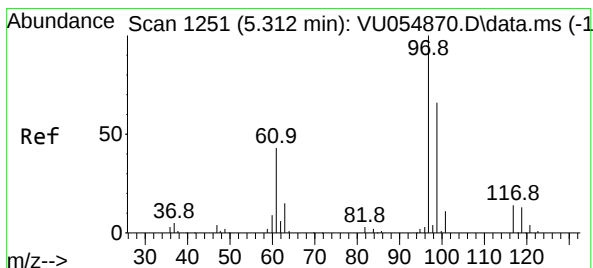
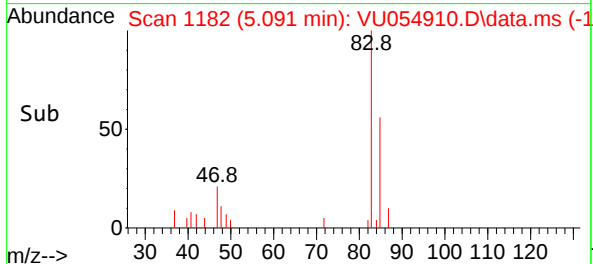
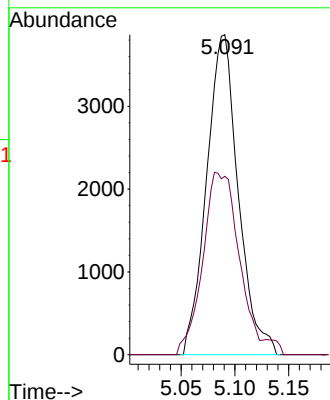
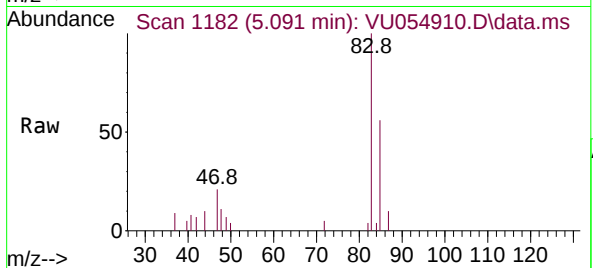
Tgt Ion: 83 Resp: 792
 Ion Ratio Lower Upper
 83 100
 85 52.9 0.0 135.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#28

1,1,1-Trichloroethane

Concen: 0.573 ug/l

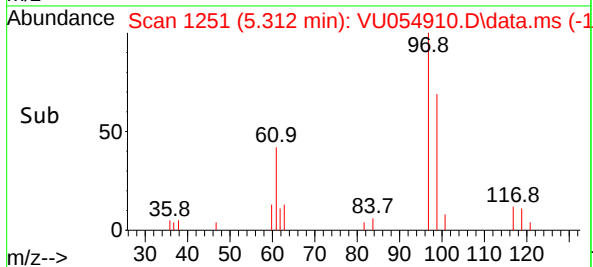
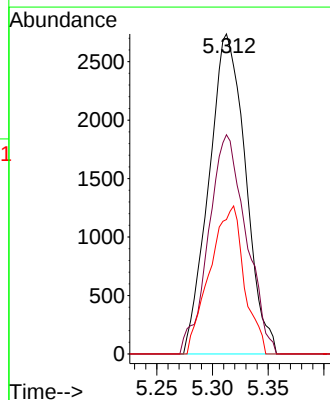
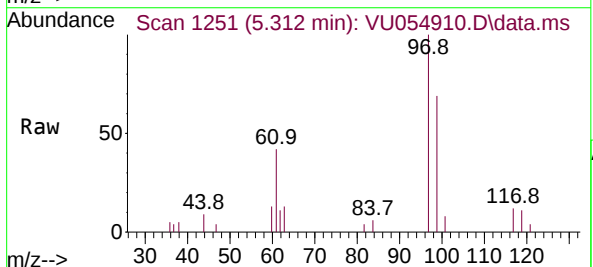
RT: 5.312 min Scan# 1251

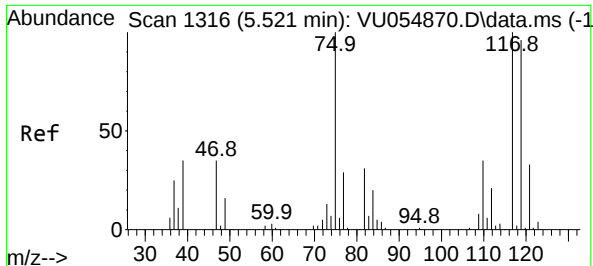
Delta R.T. 0.000 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

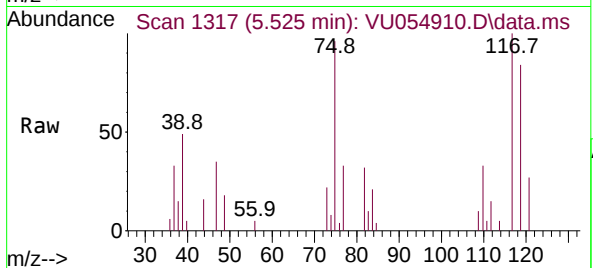
Tgt Ion: 97 Resp: 6256
 Ion Ratio Lower Upper
 97 100
 99 70.2 32.0 96.2
 61 43.3 21.0 63.0





#29
1,1-Dichloropropene
Concen: 0.581 ug/l
RT: 5.525 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

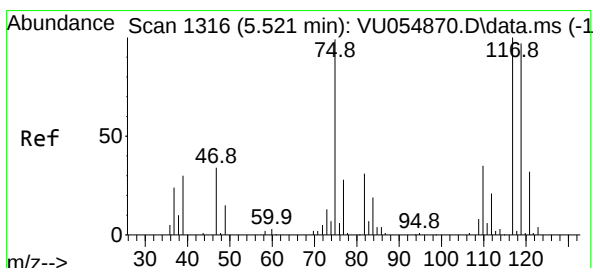
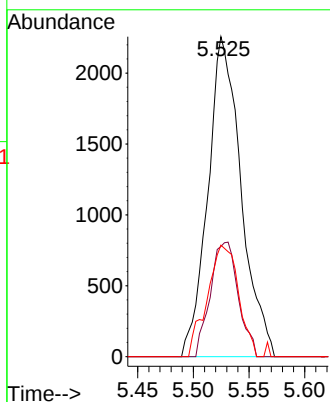
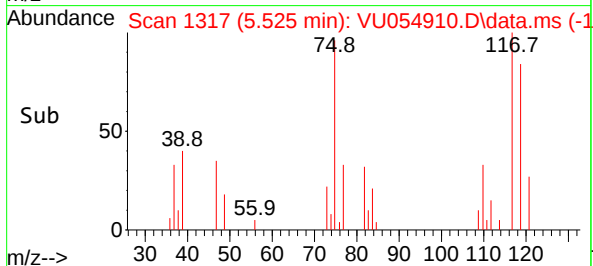
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



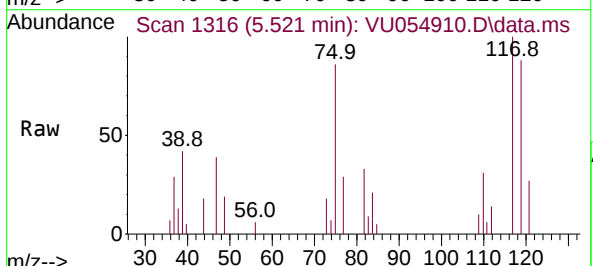
Tgt Ion: 75 Resp: 4675
Ion Ratio Lower Upper
75 100
110 30.1 18.5 55.5
77 32.8 24.9 37.3

Manual Integrations
APPROVED

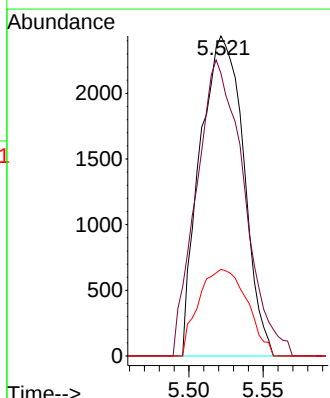
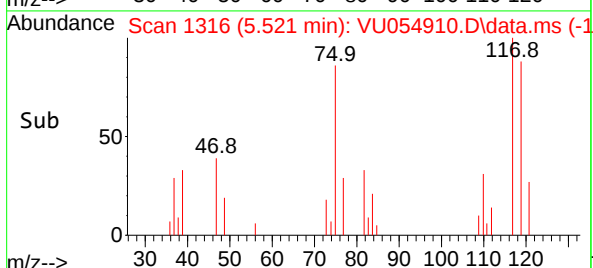
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

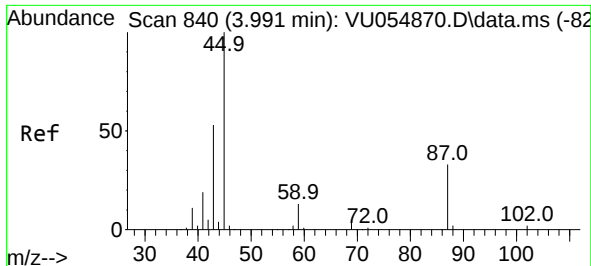


#30
Carbon Tetrachloride
Concen: 0.544 ug/l
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16



Tgt Ion:117 Resp: 4952
Ion Ratio Lower Upper
117 100
119 82.3 75.6 113.4
121 27.1 23.4 35.0





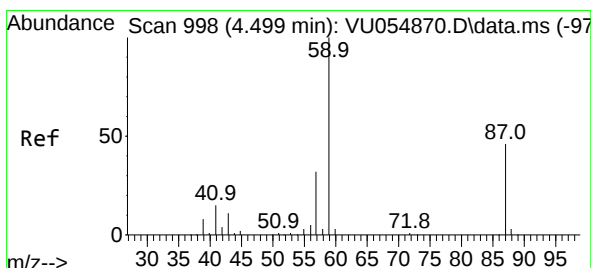
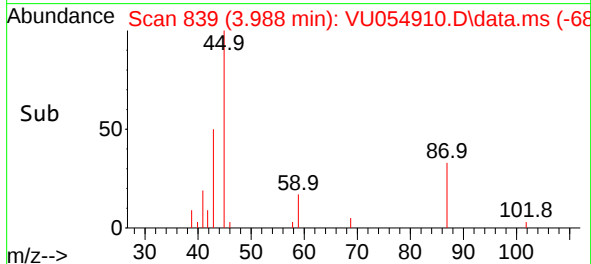
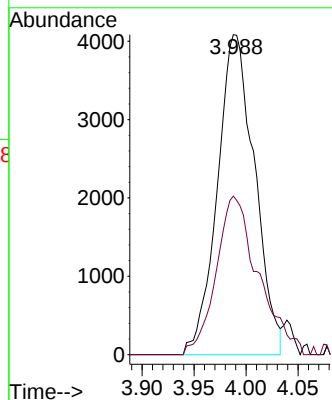
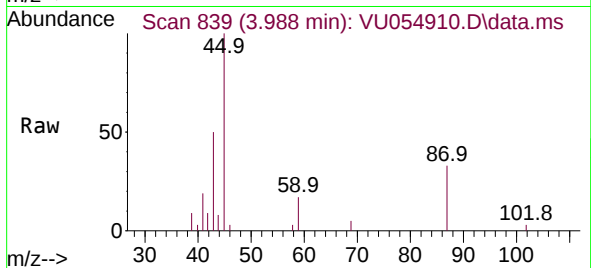
#31
Isopropyl Ether
Concen: 0.587 ug/l
RT: 3.988 min Scan# 819
Delta R.T. -0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 45 Resp: 10190
Ion Ratio Lower Upper
45 100
43 56.1 26.4 79.2

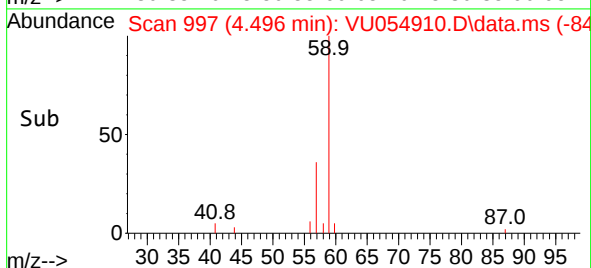
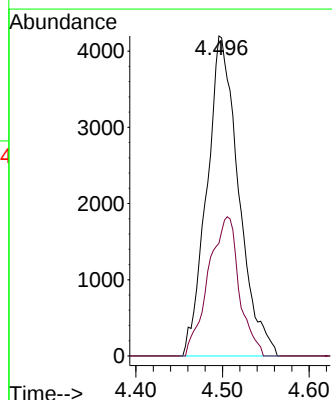
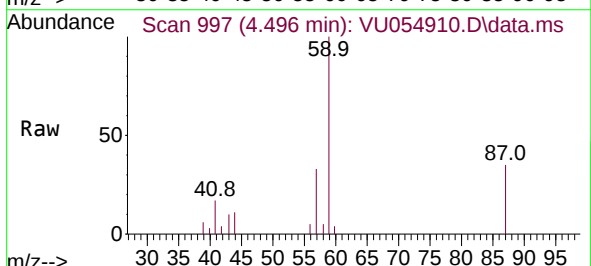
Manual Integrations
APPROVED

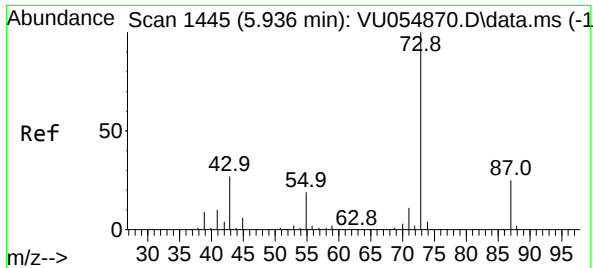
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#32
Ethyl-t-butyl ether
Concen: 0.598 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

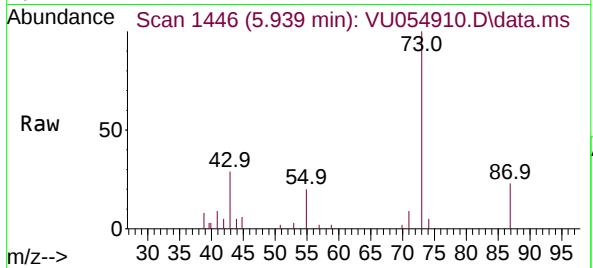
Tgt Ion: 59 Resp: 10700
Ion Ratio Lower Upper
59 100
87 42.1 35.7 53.5





#33
Tert-Amyl methyl ether
Concen: 0.604 ug/l
RT: 5.939 min Scan# 1445
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

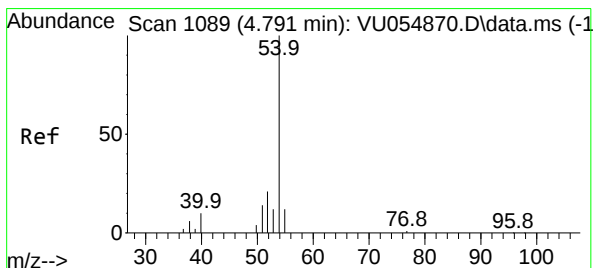
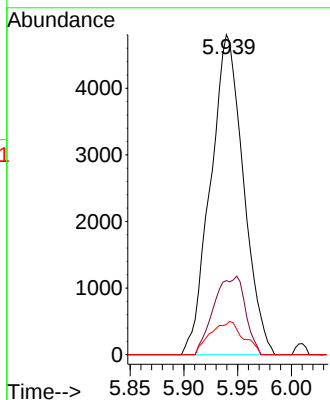
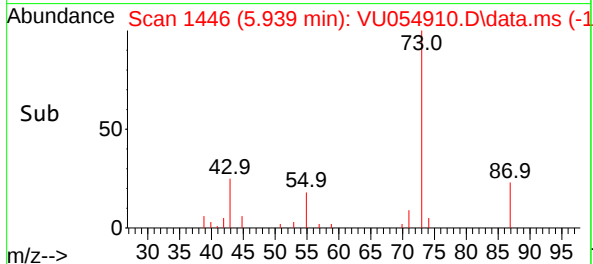
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 73 Resp: 1020
Ion Ratio Lower Upper
73 100
87 23.6 19.6 29.4
71 10.4 9.1 13.7

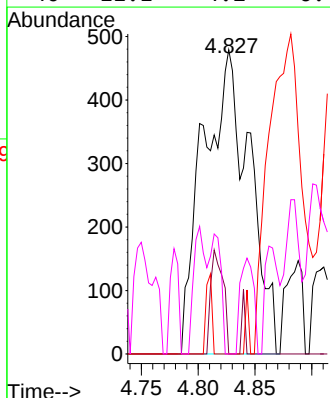
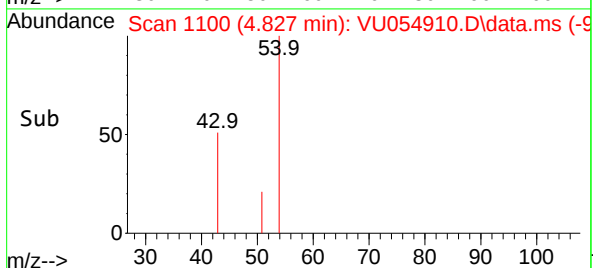
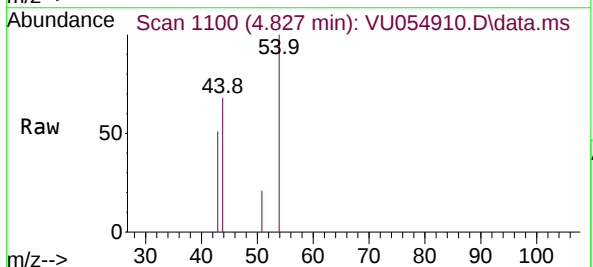
Manual Integrations
APPROVED

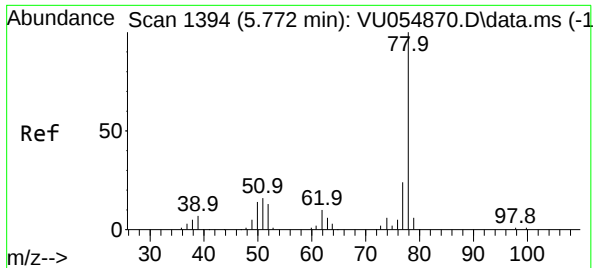
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#34
Propionitrile
Concen: 3.073 ug/l m
RT: 4.827 min Scan# 1100
Delta R.T. 0.035 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion: 54 Resp: 1355
Ion Ratio Lower Upper
54 100
52 0.0 13.8 20.8#
55 0.0 4.8 7.2#
40 11.1 4.2 6.4#





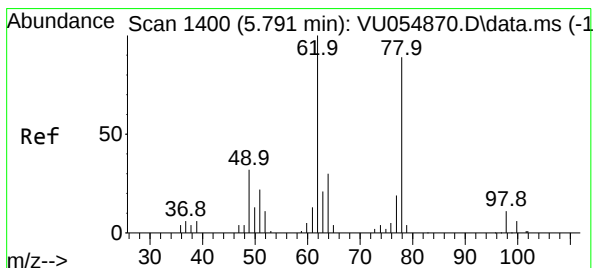
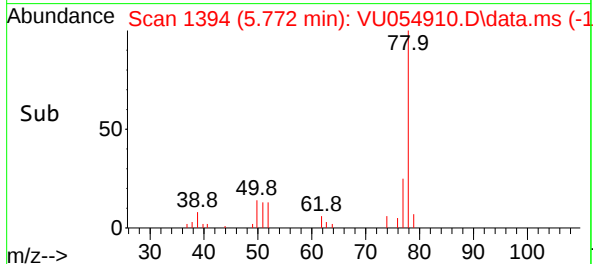
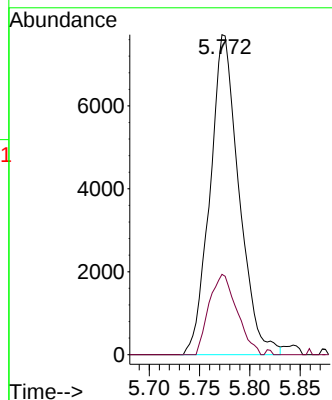
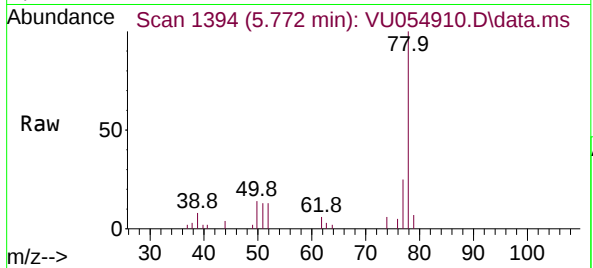
#35
Benzene
Concen: 0.614 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 78 Resp: 15480
Ion Ratio Lower Upper
78 100
77 25.1 19.4 29.2

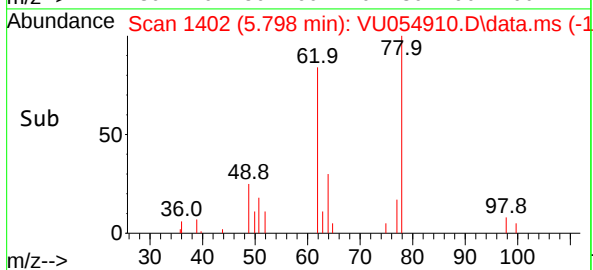
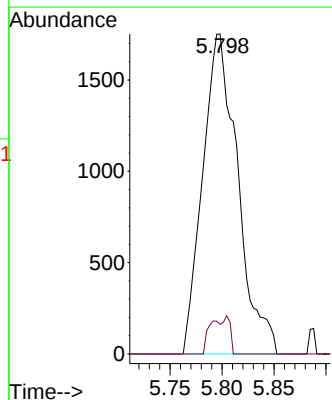
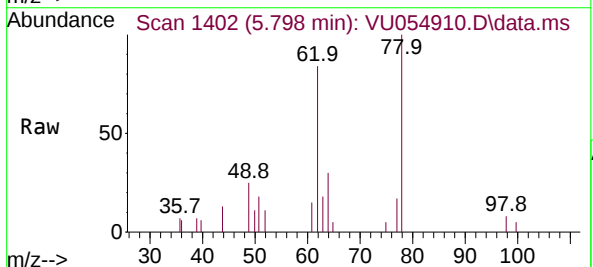
Manual Integrations
APPROVED

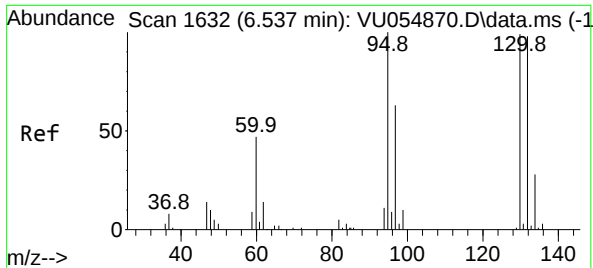
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#36
1,2-Dichloroethane
Concen: 0.573 ug/l
RT: 5.798 min Scan# 1402
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

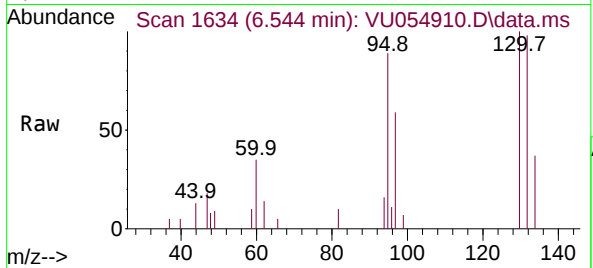
Tgt Ion: 62 Resp: 4111
Ion Ratio Lower Upper
62 100
98 3.8 7.8 11.8#





#37
Trichloroethene
Concen: 0.631 ug/l
RT: 6.544 min Scan# 1710
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

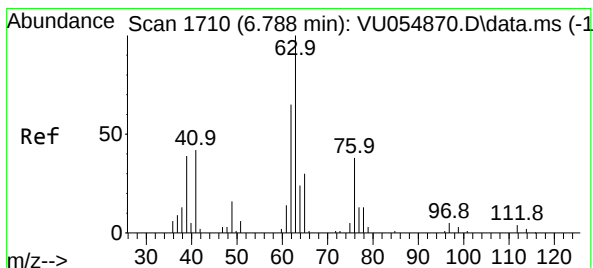
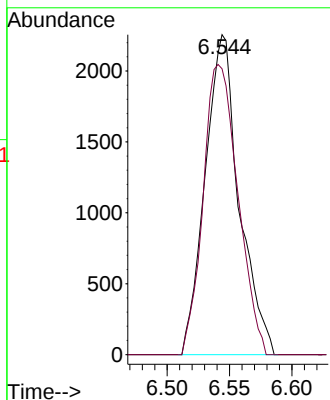
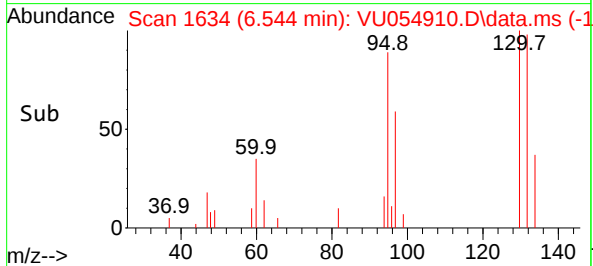
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



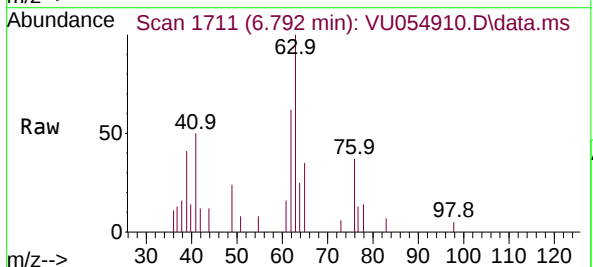
Tgt Ion:130 Resp: 4280
Ion Ratio Lower Upper
130 100
95 89.4 76.8 115.2

Manual Integrations
APPROVED

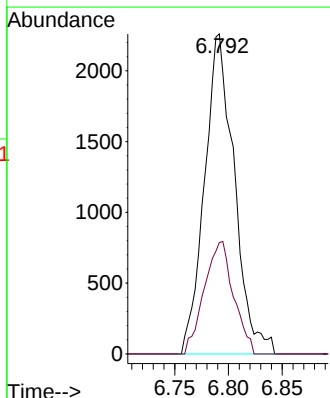
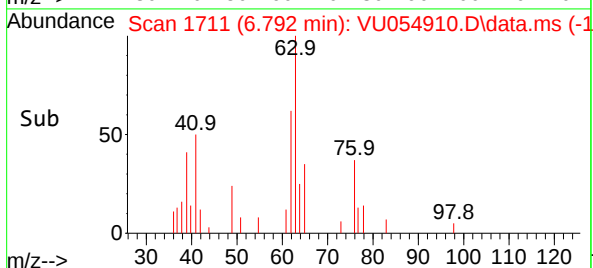
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

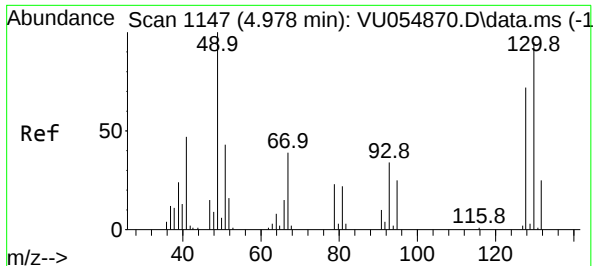


#38
1,2-Dichloropropane
Concen: 0.611 ug/l
RT: 6.792 min Scan# 1711
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16



Tgt Ion: 63 Resp: 4355
Ion Ratio Lower Upper
63 100
65 34.8 24.3 36.5





#39

Methacrylonitrile

Concen: 0.563 ug/l m

RT: 5.004 min Scan# 1155

Delta R.T. 0.026 min

Lab File: VU054910.D

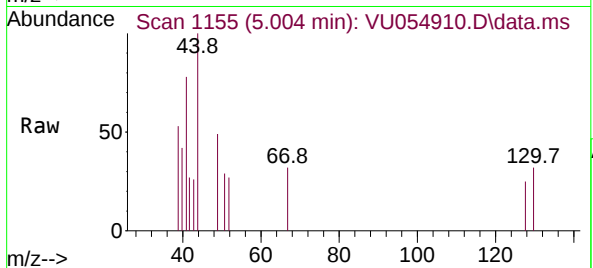
Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



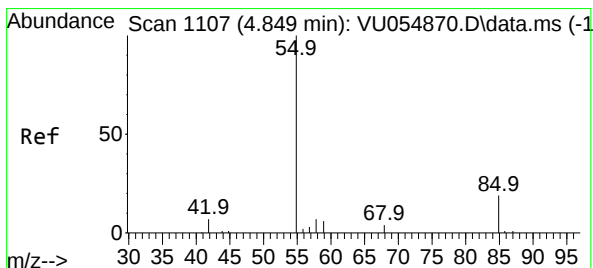
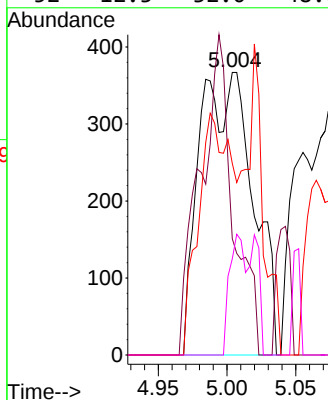
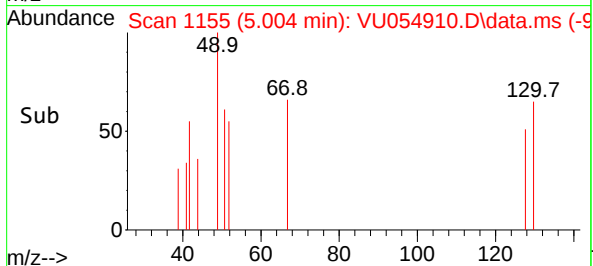
Tgt Ion: 41	Resp: 990
Ion Ratio	Lower Upper
41	100
67	69.9 77.0 115.4
39	32.2 50.4 75.6
52	12.3 32.0 48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#40

Methyl acrylate

Concen: 0.586 ug/l m

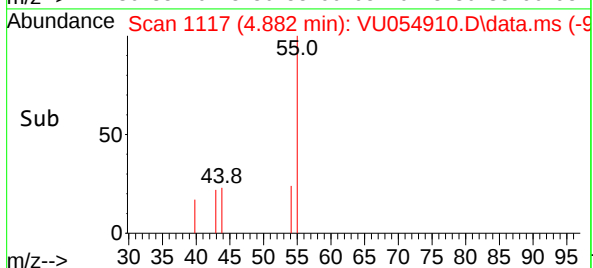
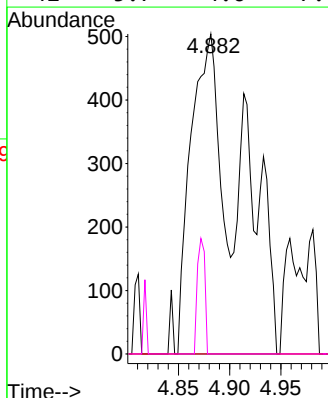
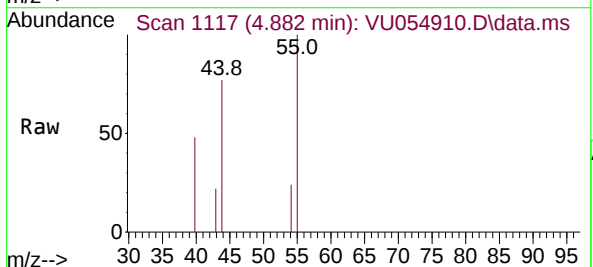
RT: 4.882 min Scan# 1117

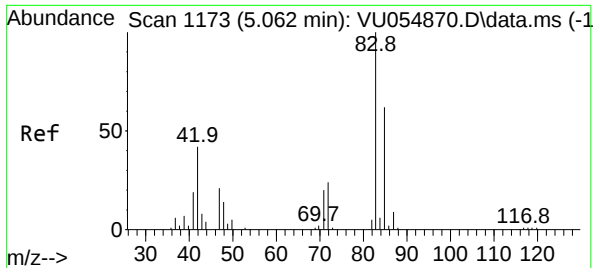
Delta R.T. 0.032 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Tgt Ion: 55	Resp: 1646
Ion Ratio	Lower Upper
55	100
85	0.0 13.0 19.6
58	0.0 5.7 8.5
42	5.7 4.6 7.0





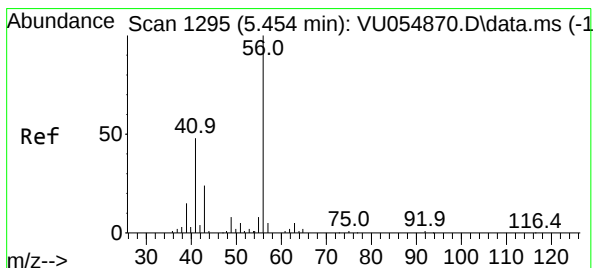
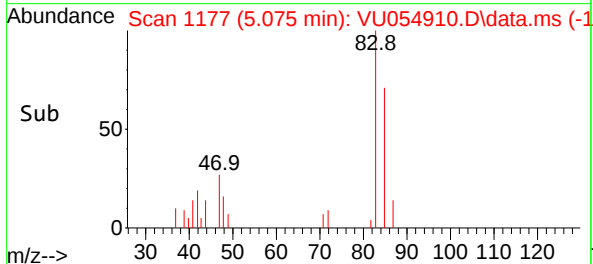
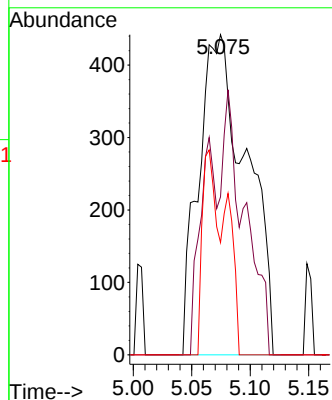
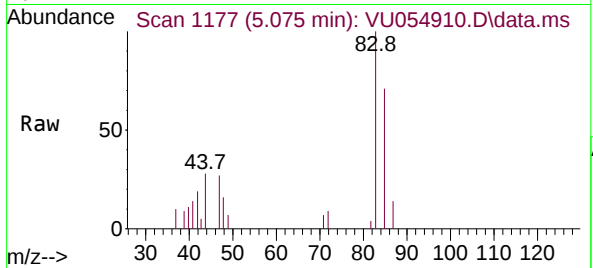
#41
Tetrahydrofuran
Concen: 1.252 ug/l m
RT: 5.075 min Scan# 1173
Delta R.T. 0.013 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 42 Resp: 126
Ion Ratio Lower Upper
42 100
72 23.0 42.1 63.1
71 19.8 39.7 59.5

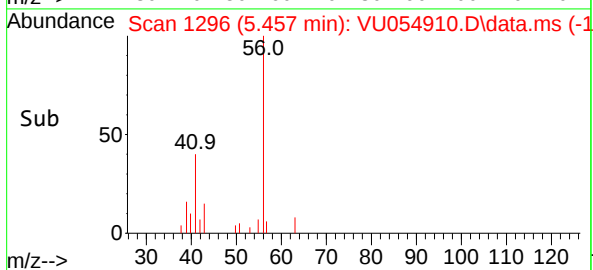
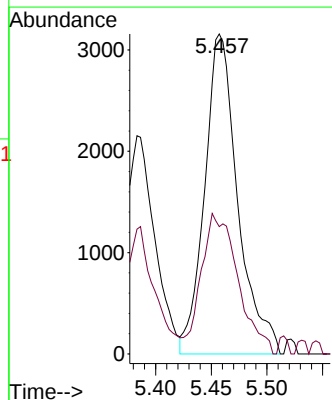
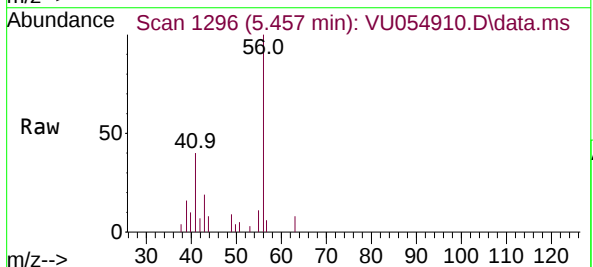
Manual Integrations
APPROVED

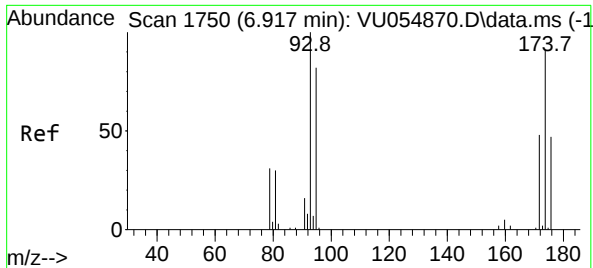
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#42
1-Chlorobutane
Concen: 0.620 ug/l
RT: 5.457 min Scan# 1296
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

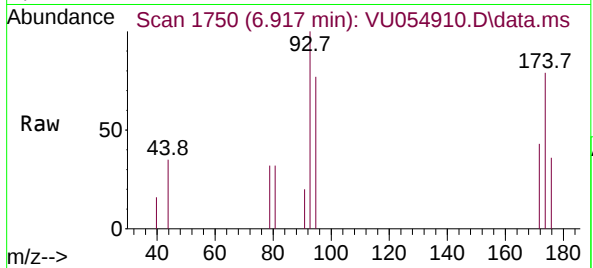
Tgt Ion: 56 Resp: 6534
Ion Ratio Lower Upper
56 100
41 48.6 23.9 71.7





#43
Dibromomethane
Concen: 0.603 ug/l
RT: 6.917 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

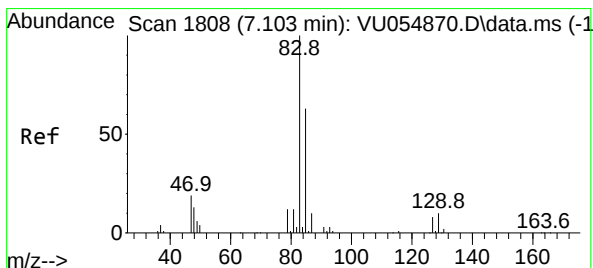
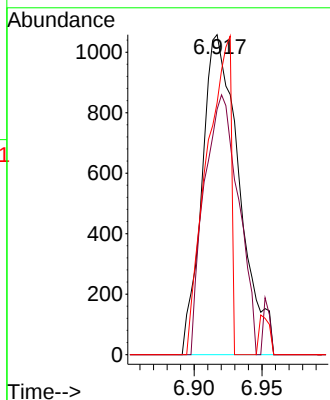
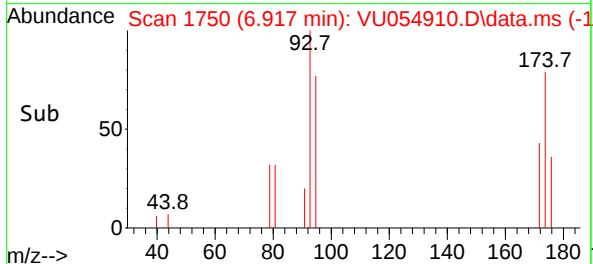
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 93 Resp: 2018
Ion Ratio Lower Upper
93 100
95 74.6 64.7 97.1
174 65.3 74.4 111.6

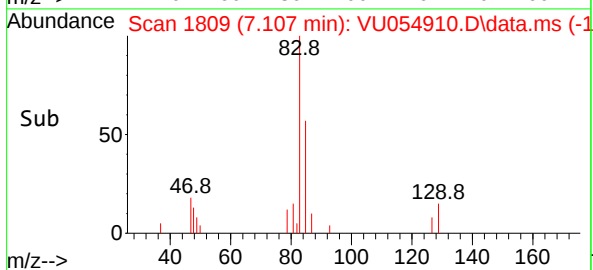
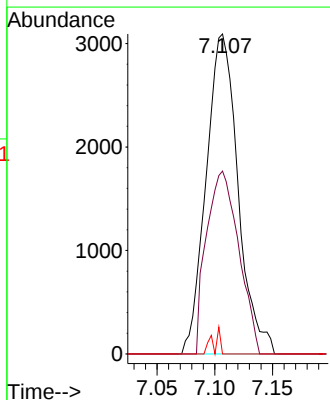
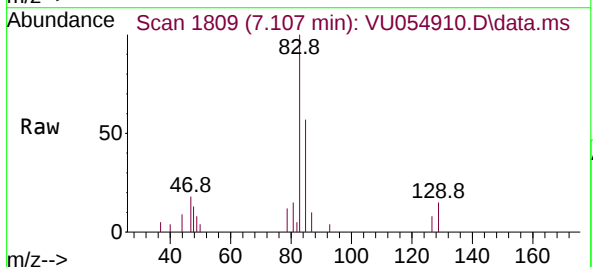
Manual Integrations
APPROVED

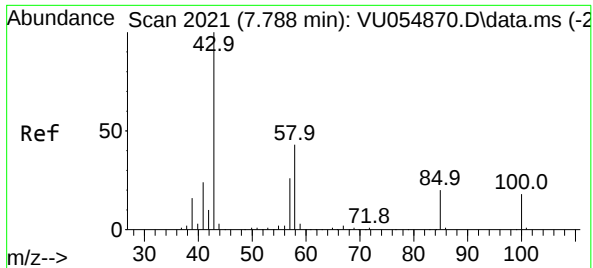
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#44
Bromodichloromethane
Concen: 0.637 ug/l
RT: 7.107 min Scan# 1809
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

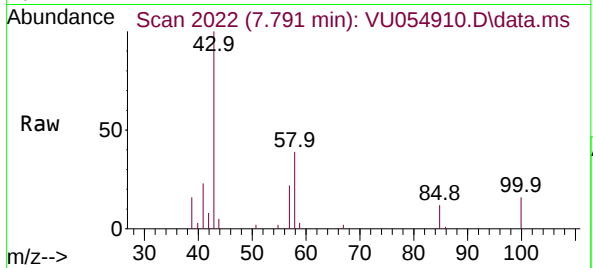
Tgt Ion: 83 Resp: 5944
Ion Ratio Lower Upper
83 100
85 57.2 52.2 78.2
127 0.0 6.1 9.1





#45
4-Methyl-2-Pentanone
Concen: 3.323 ug/l
RT: 7.791 min Scan# 2021
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

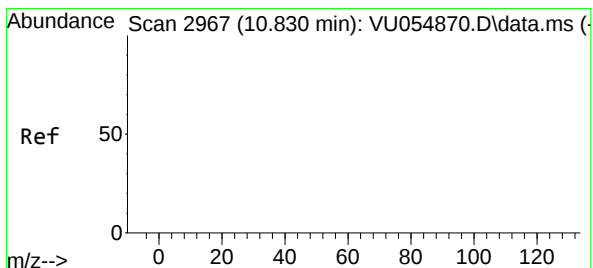
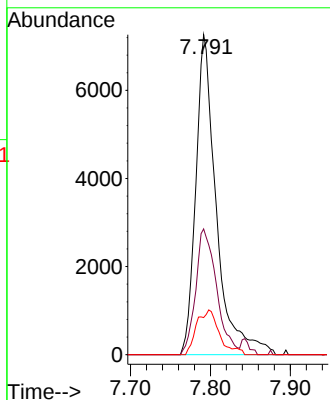
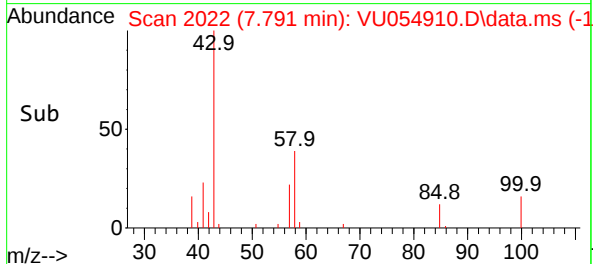
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 43 Resp: 12980
Ion Ratio Lower Upper
43 100
58 40.1 21.3 63.7
85 15.5 15.3 22.9

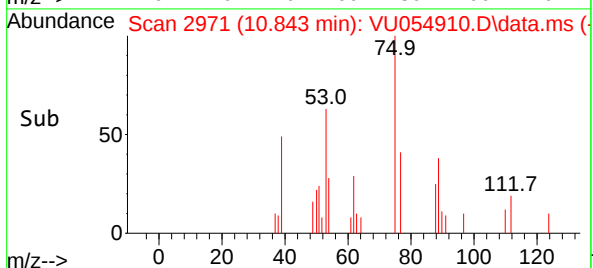
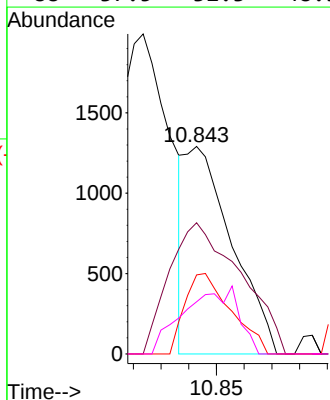
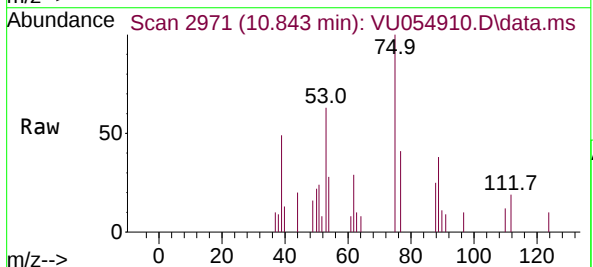
Manual Integrations
APPROVED

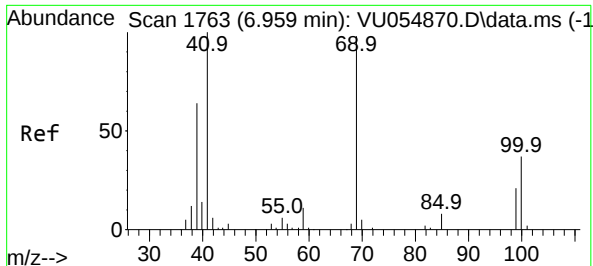
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#46
t-1,4-Dichloro-2-butene
Concen: 0.963 ug/l m
RT: 10.843 min Scan# 2971
Delta R.T. 0.013 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion: 75 Resp: 1513
Ion Ratio Lower Upper
75 100
53 96.8 62.9 94.3#
89 38.3 47.8 71.8#
88 37.5 32.3 48.5





#47

Methyl methacrylate

Concen: 1.108 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.010 min

Lab File: VU054910.D

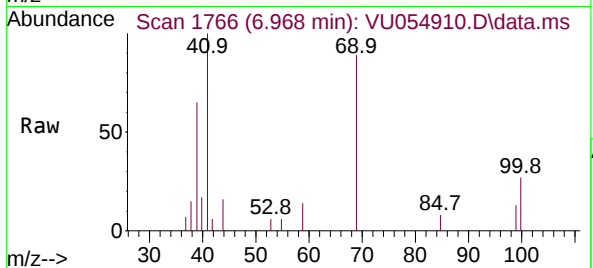
Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



Tgt Ion: 69 Resp: 339

Ion Ratio Lower Upper

69 100

41 109.9 0.0 193.0

39 65.8 50.4 75.6

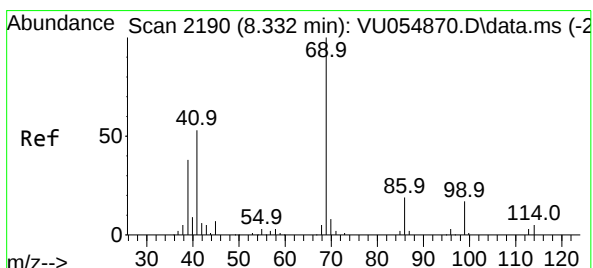
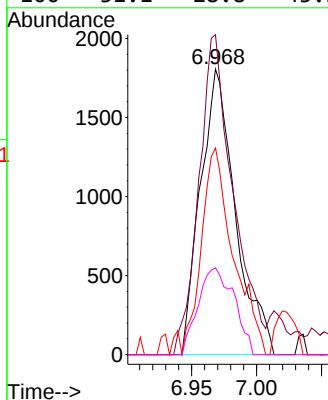
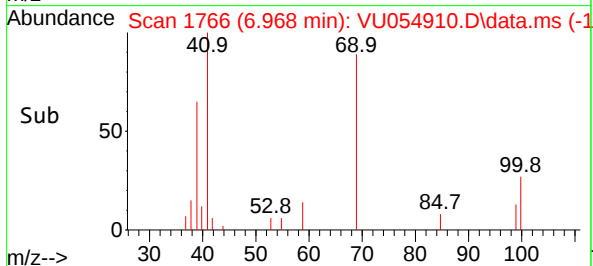
100 31.1 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#48

Ethyl methacrylate

Concen: 0.584 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.003 min

Lab File: VU054910.D

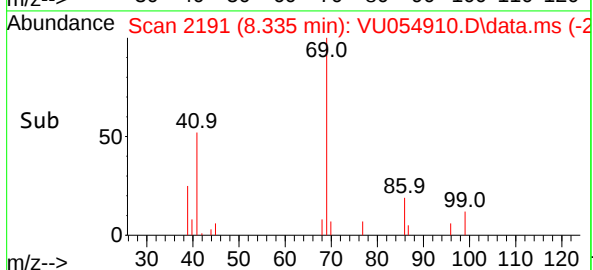
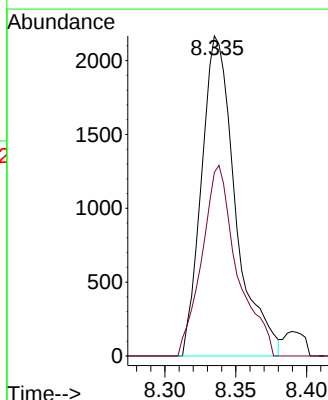
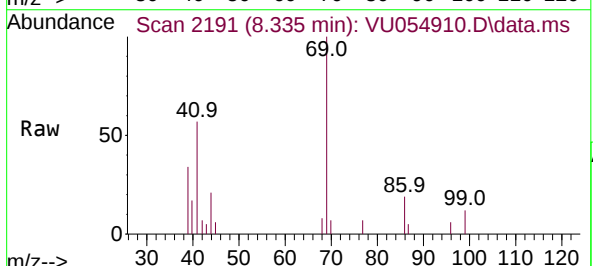
Acq: 28 Jul 2023 15:16

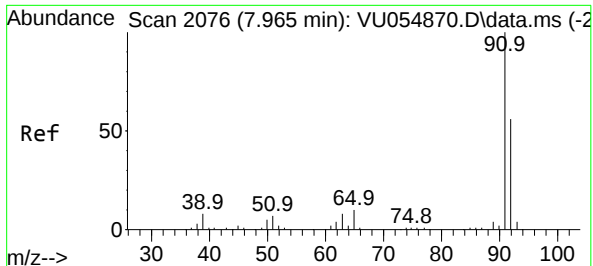
Tgt Ion: 69 Resp: 3614

Ion Ratio Lower Upper

69 100

41 61.7 28.8 86.5





#49

Toluene

Concen: 0.606 ug/l

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 92 Resp: 9740

Ion Ratio Lower Upper

92 100

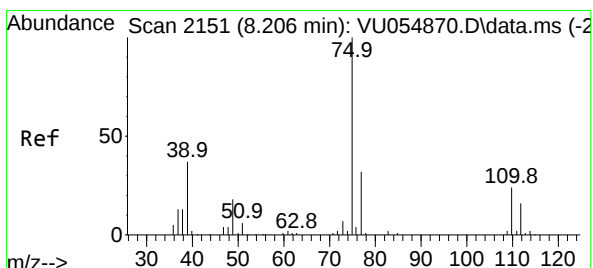
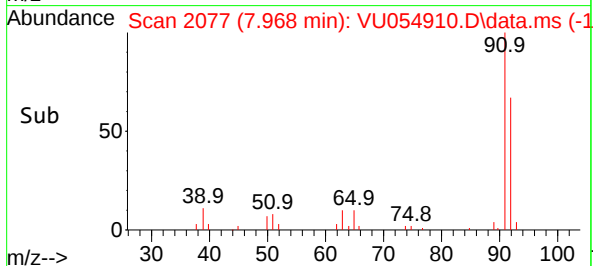
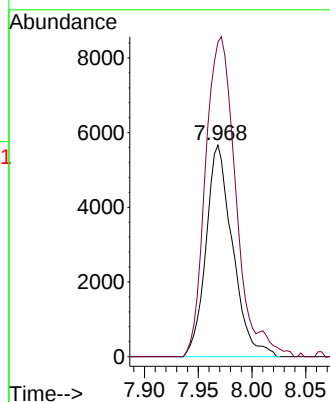
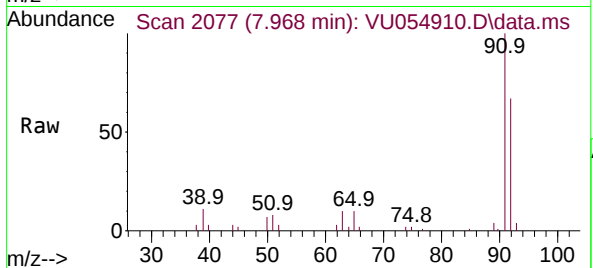
91 173.0 142.9 214.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#50

t-1,3-Dichloropropene

Concen: 0.623 ug/l

RT: 8.213 min Scan# 2153

Delta R.T. 0.007 min

Lab File: VU054910.D

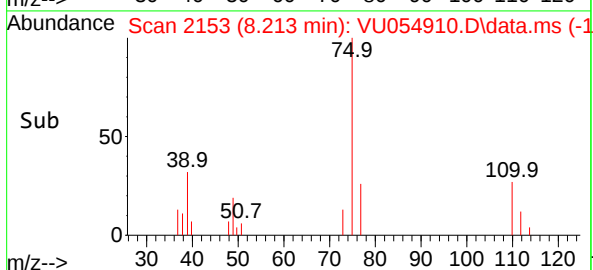
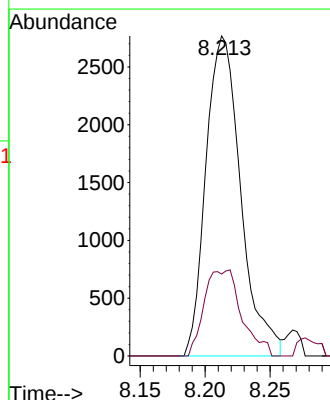
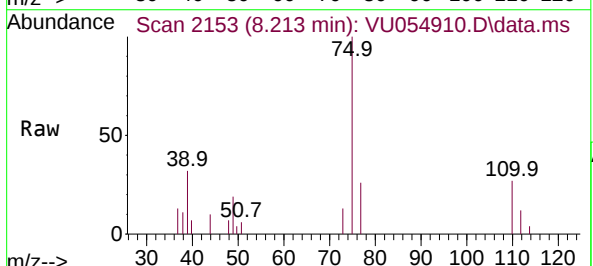
Acq: 28 Jul 2023 15:16

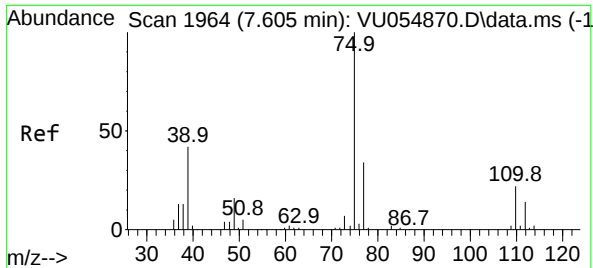
Tgt Ion: 75 Resp: 5161

Ion Ratio Lower Upper

75 100

77 25.6 24.9 37.3





#51
 cis-1,3-Dichloropropene
 Concen: 0.558 ug/l
 RT: 7.608 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VU054910.D
 Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

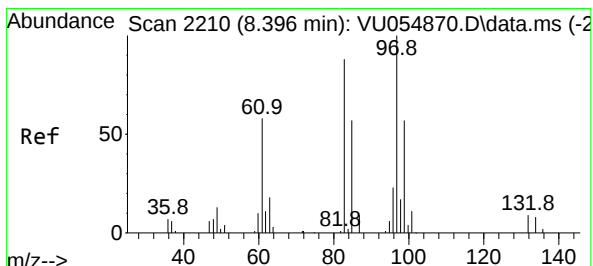
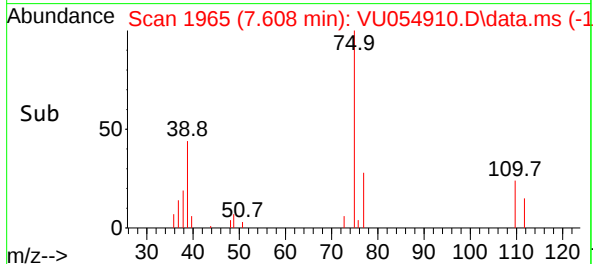
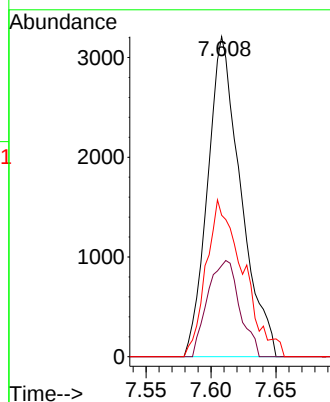
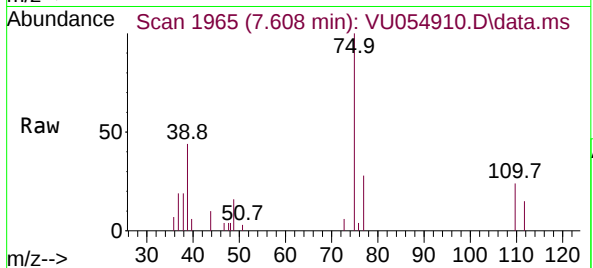
RL-CHECK

Tgt Ion: 75 Resp: 5670
 Ion Ratio Lower Upper
 75 100
 77 28.5 25.8 38.8
 39 49.8 31.7 47.5

Manual Integrations

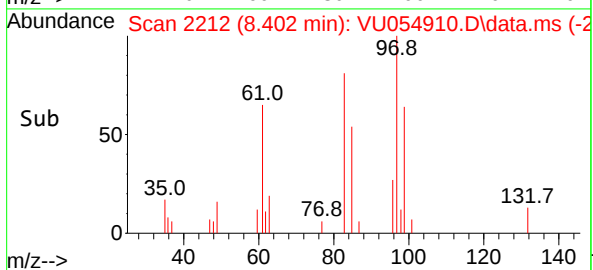
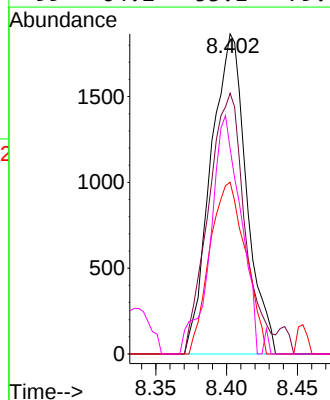
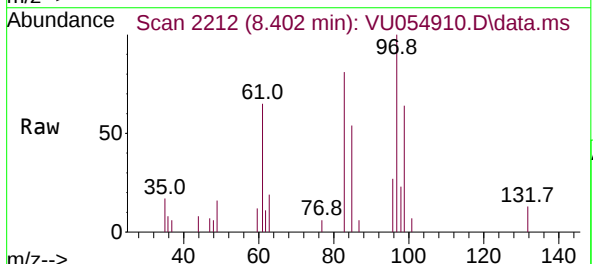
APPROVED

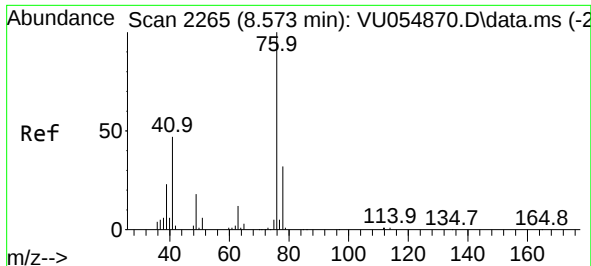
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.616 ug/l
 RT: 8.402 min Scan# 2212
 Delta R.T. 0.007 min
 Lab File: VU054910.D
 Acq: 28 Jul 2023 15:16

Tgt Ion: 97 Resp: 3270
 Ion Ratio Lower Upper
 97 100
 83 81.4 77.4 116.2
 85 53.7 47.8 71.8
 99 64.2 53.1 79.7





#53

1,3-Dichloropropane

Concen: 0.613 ug/l

RT: 8.576 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 76 Resp: 526

Ion Ratio Lower Upper

76 100

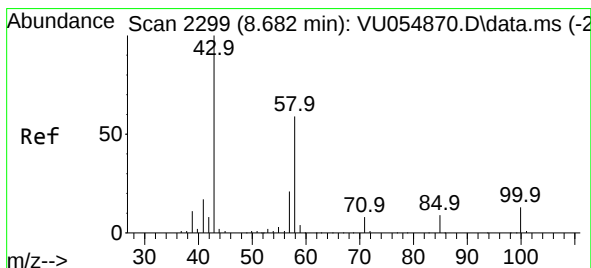
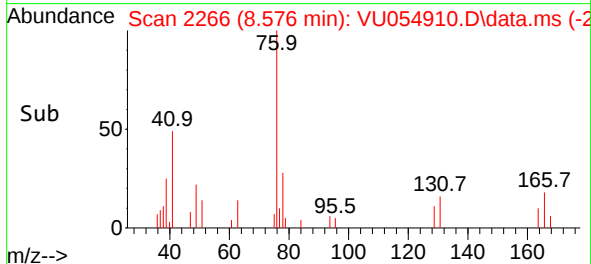
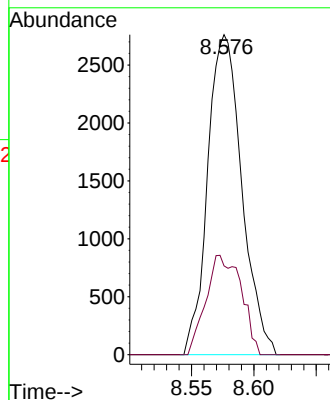
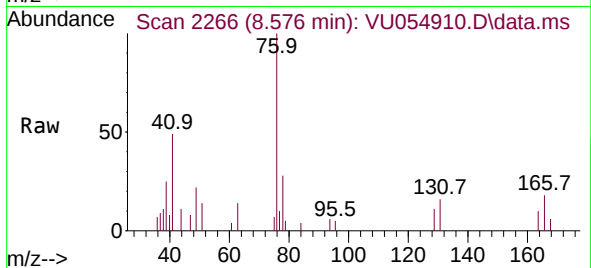
78 32.1 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#54

2-Hexanone

Concen: 3.358 ug/l

RT: 8.689 min Scan# 2301

Delta R.T. 0.007 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

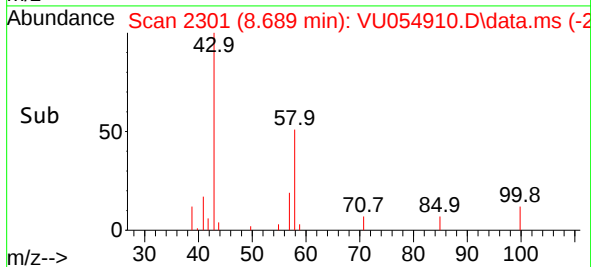
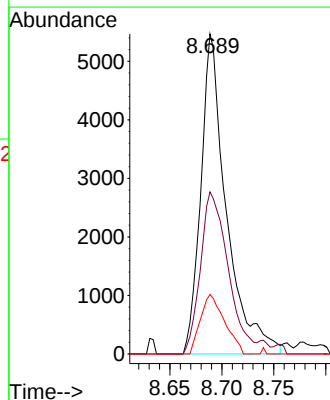
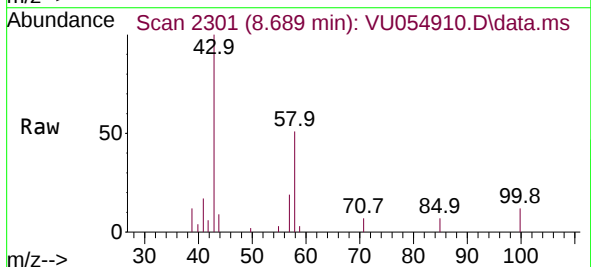
Tgt Ion: 43 Resp: 9322

Ion Ratio Lower Upper

43 100

58 54.9 38.9 78.9

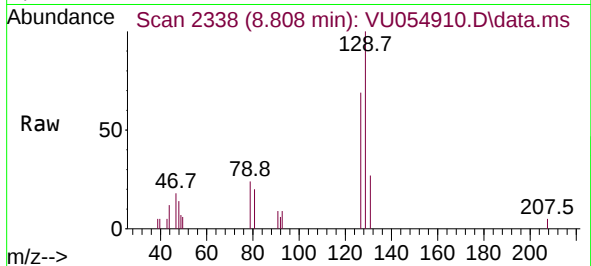
57 17.5 0.0 38.7





#55
Dibromochloromethane
Concen: 0.483 ug/l
RT: 8.808 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

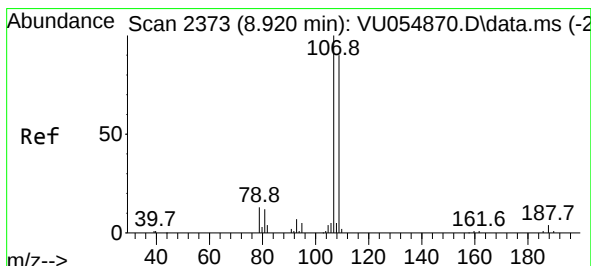
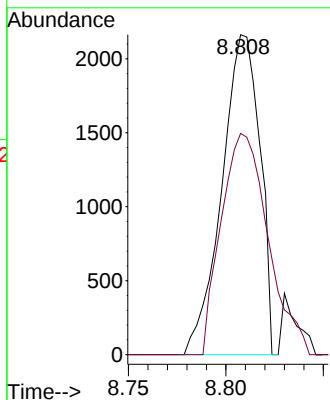
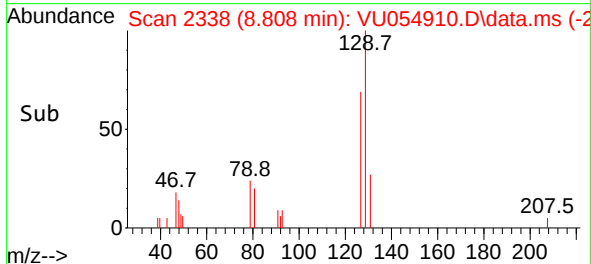
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:129 Resp: 2930
Ion Ratio Lower Upper
129 100
127 85.1 61.4 92.0

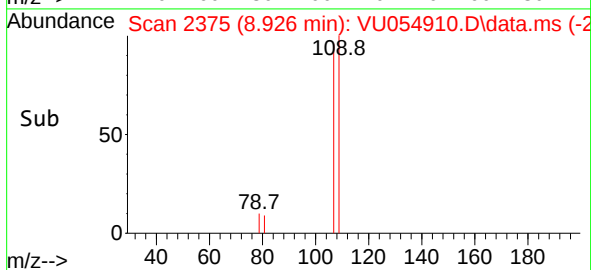
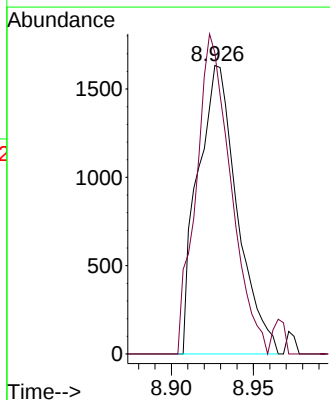
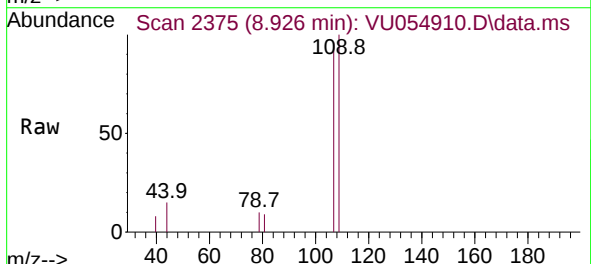
Manual Integrations
APPROVED

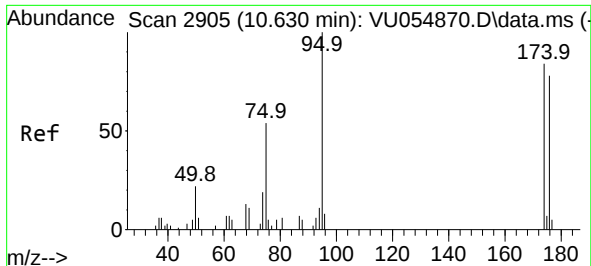
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#56
1,2-Dibromoethane
Concen: 0.606 ug/l
RT: 8.926 min Scan# 2375
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion:107 Resp: 2725
Ion Ratio Lower Upper
107 100
109 97.8 0.0 185.4





#57

4-Bromofluorobenzene

Concen: 1.075 ug/l

RT: 10.634 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 95 Resp: 912

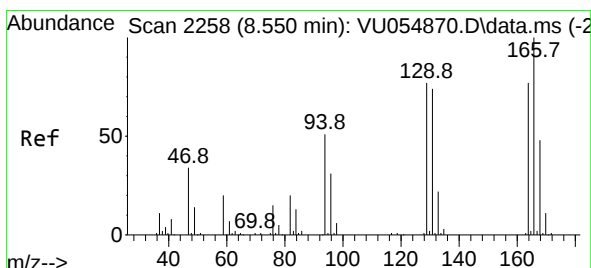
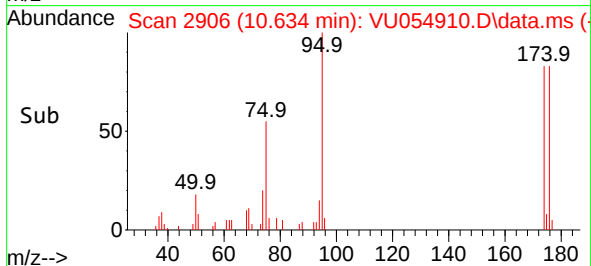
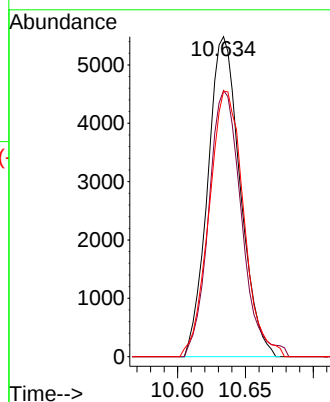
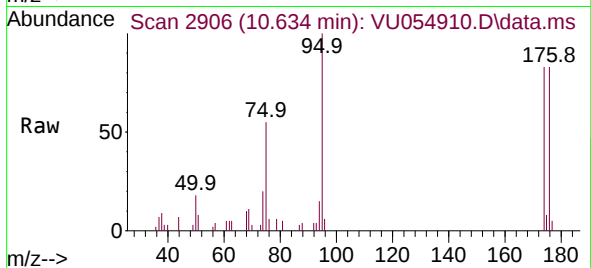
Ion	Ratio	Lower	Upper
95	100		
174	84.1	79.3	118.9
176	88.3	71.5	107.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#58

Tetrachloroethene

Concen: 0.599 ug/l

RT: 8.553 min Scan# 2259

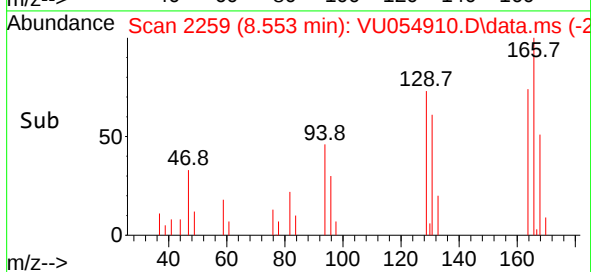
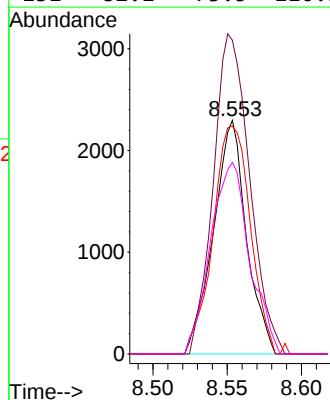
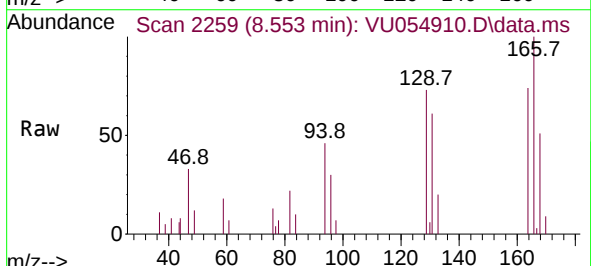
Delta R.T. 0.003 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Tgt Ion:164 Resp: 3546

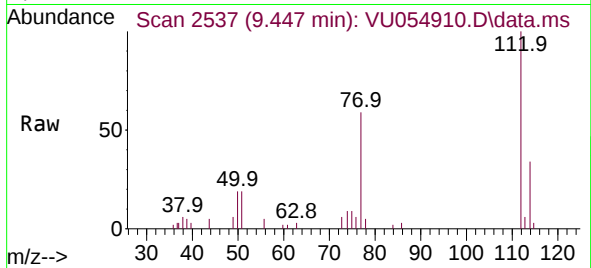
Ion	Ratio	Lower	Upper
164	100		
166	134.4	100.4	150.6
129	97.6	71.9	107.9
131	82.1	73.5	110.3





#59
Chlorobenzene
Concen: 0.568 ug/l
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

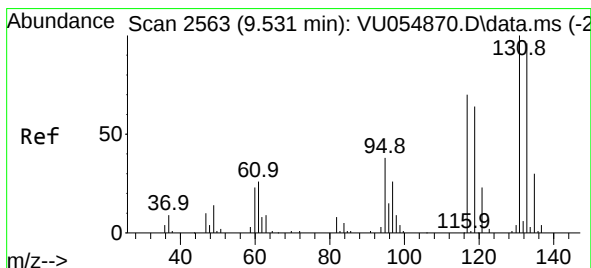
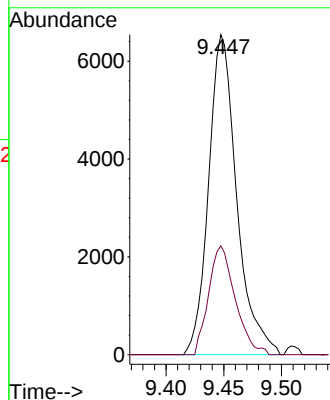
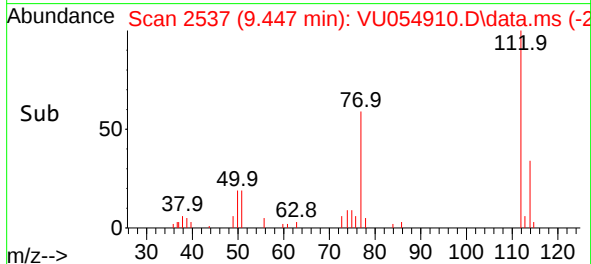
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



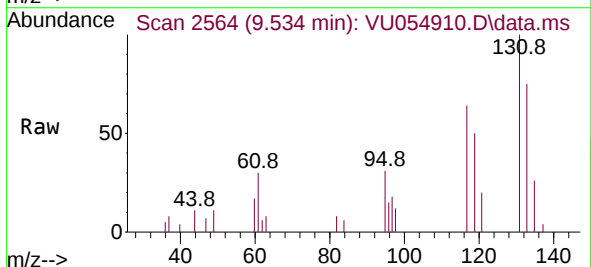
Tgt Ion:112 Resp: 11070
Ion Ratio Lower Upper
112 100
114 36.9 25.0 37.6

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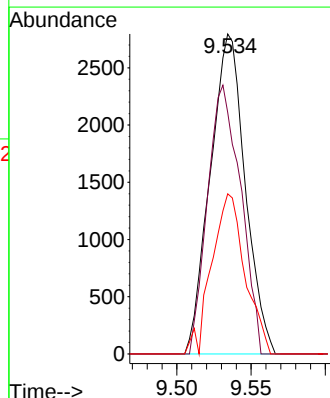
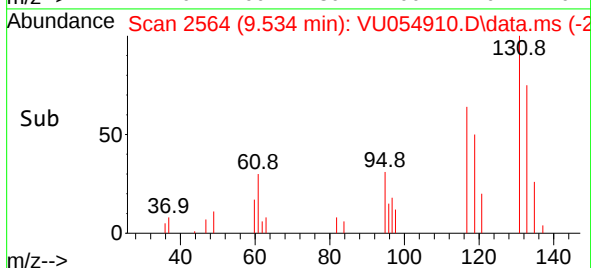
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

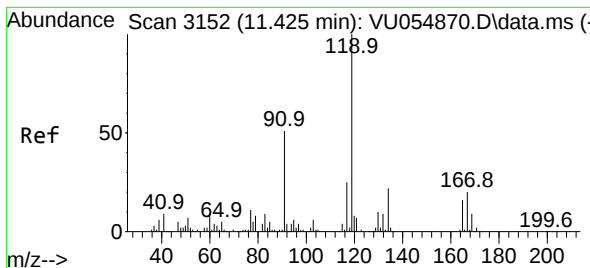


#60
1,1,1,2-Tetrachloroethane
Concen: 0.665 ug/l
RT: 9.534 min Scan# 2564
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16



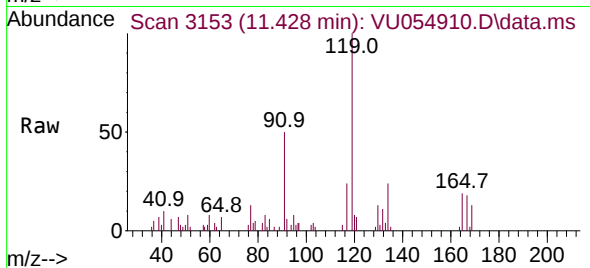
Tgt Ion:131 Resp: 4576
Ion Ratio Lower Upper
131 100
133 79.5 74.2 111.4
119 47.6 51.0 76.4#





#61
 Pentachloroethane
 Concen: 0.518 ug/l
 RT: 11.428 min Scan# 3152
 Delta R.T. 0.003 min
 Lab File: VU054910.D
 Acq: 28 Jul 2023 15:16

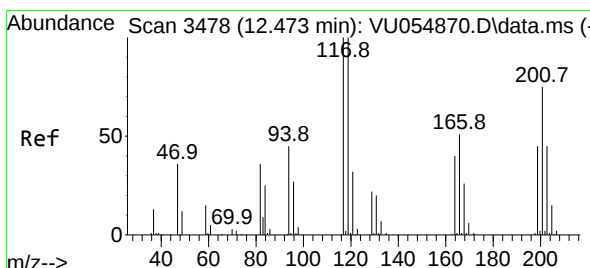
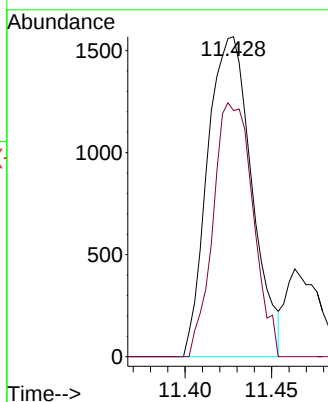
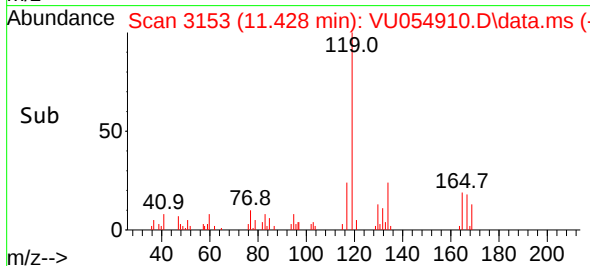
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK



Tgt Ion:117 Resp: 278
 Ion Ratio Lower Upper
 117 100
 167 71.3 65.3 97.9

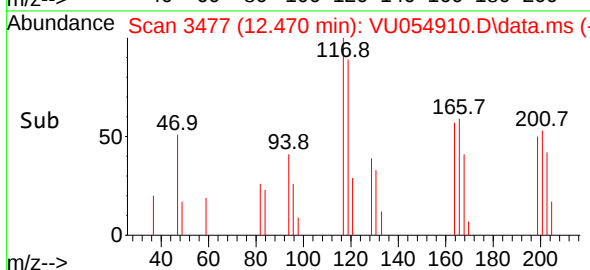
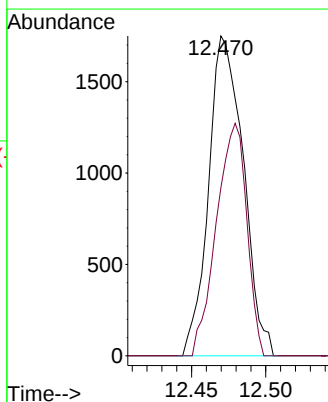
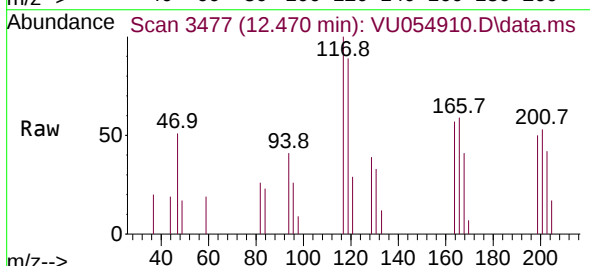
Manual Integrations
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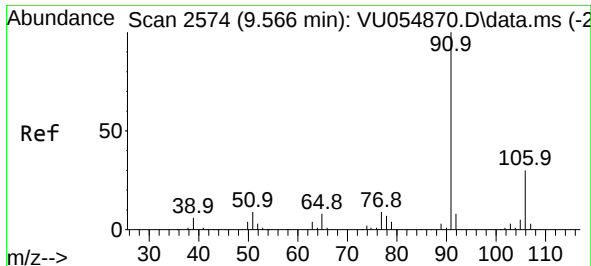
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#62
 Hexachloroethane
 Concen: 0.515 ug/l
 RT: 12.470 min Scan# 3477
 Delta R.T. -0.003 min
 Lab File: VU054910.D
 Acq: 28 Jul 2023 15:16

Tgt Ion:117 Resp: 2846
 Ion Ratio Lower Upper
 117 100
 201 63.5 56.1 84.1





#63

Ethyl Benzene

Concen: 0.574 ug/l

RT: 9.570 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 91 Resp: 1878

Ion Ratio Lower Upper

91 100

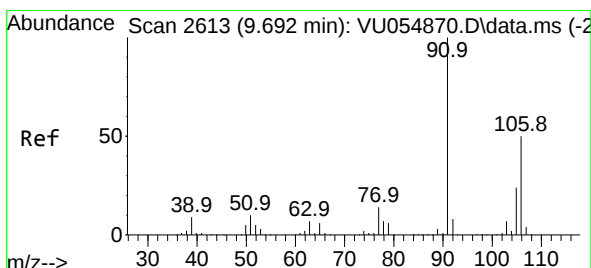
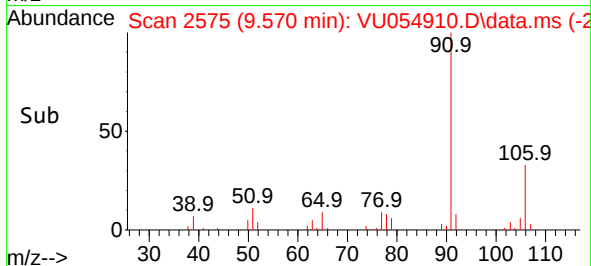
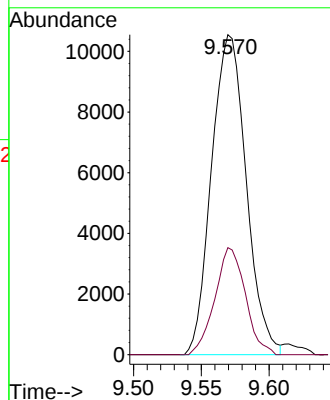
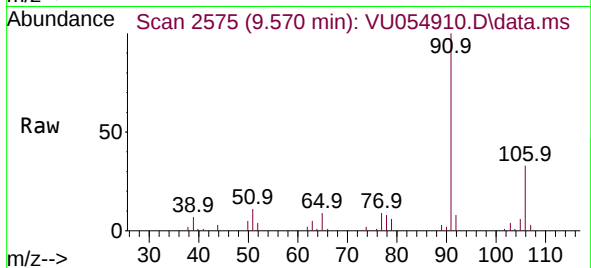
106 33.5 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#64

m/p-Xylenes

Concen: 1.181 ug/l

RT: 9.695 min Scan# 2614

Delta R.T. 0.003 min

Lab File: VU054910.D

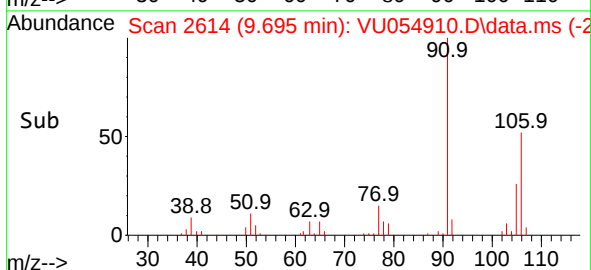
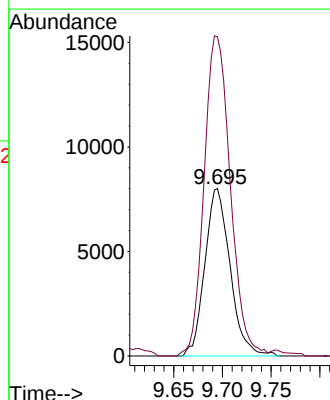
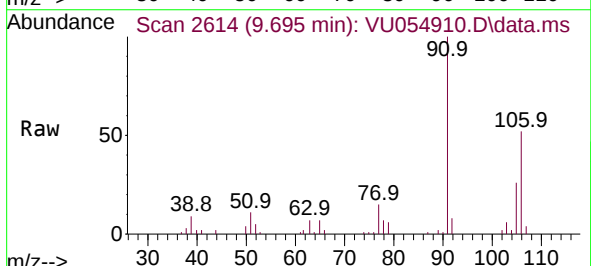
Acq: 28 Jul 2023 15:16

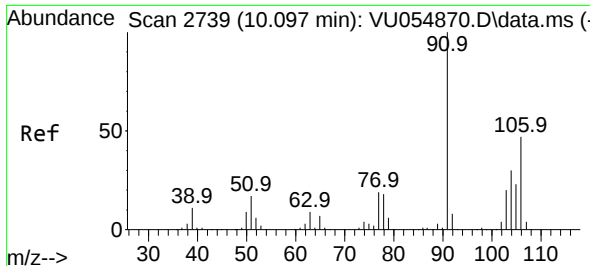
Tgt Ion:106 Resp: 14454

Ion Ratio Lower Upper

106 100

91 198.3 158.8 238.2





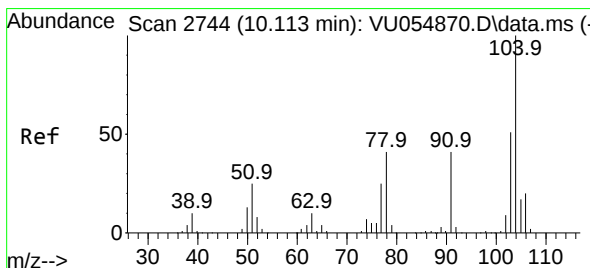
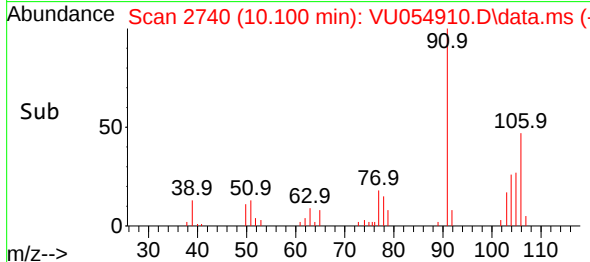
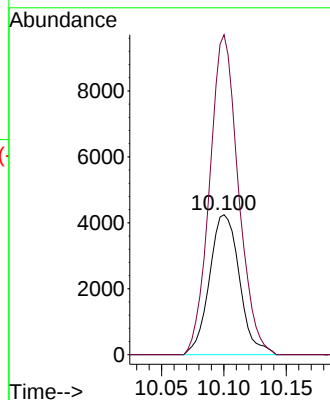
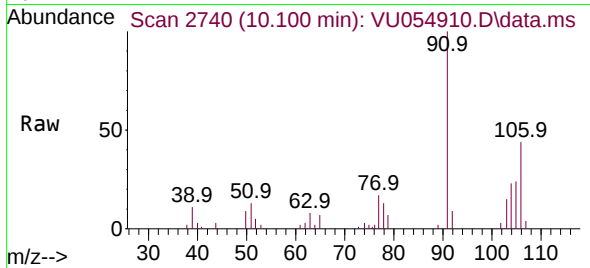
#65
o-Xylene
Concen: 0.567 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:106 Resp: 7125
Ion Ratio Lower Upper
106 100
91 218.3 108.9 326.8

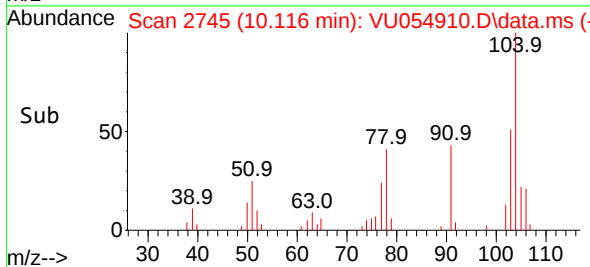
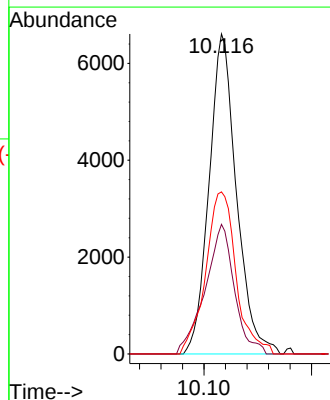
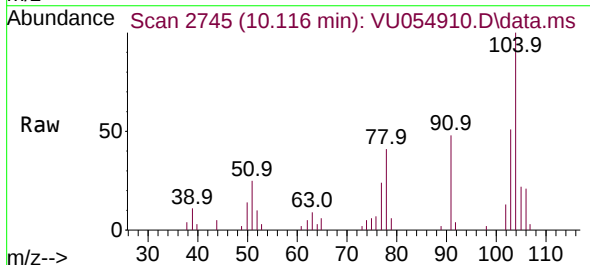
Manual Integrations
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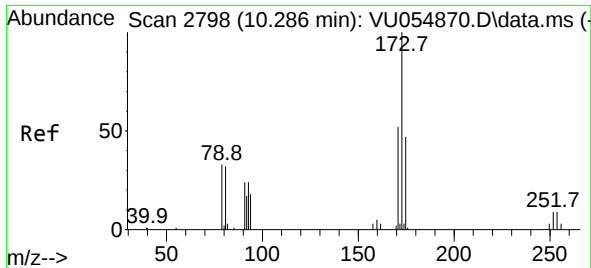
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#66
Styrene
Concen: 0.582 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

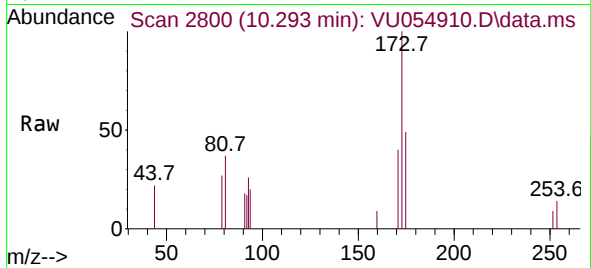
Tgt Ion:104 Resp: 11690
Ion Ratio Lower Upper
104 100
78 43.1 37.5 56.3
103 56.2 45.2 67.8





#67
Bromoform
Concen: 0.586 ug/l
RT: 10.293 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

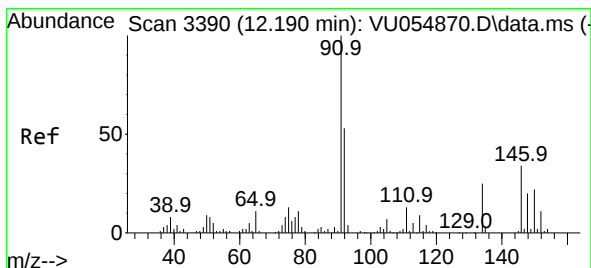
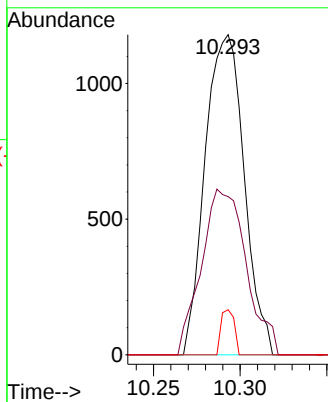
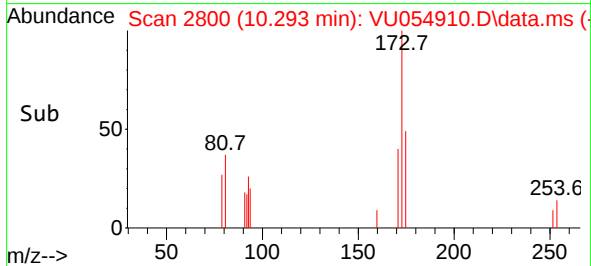
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



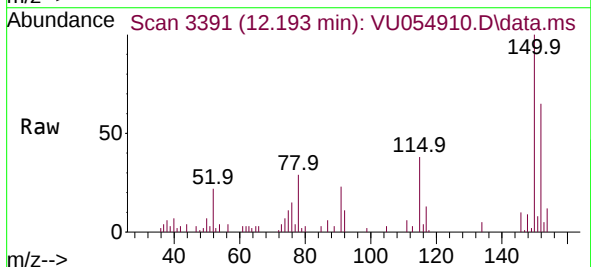
Tgt Ion:173 Resp: 184
Ion Ratio Lower Upper
173 100
175 59.4 39.0 58.6
254 4.8 7.4 11.0

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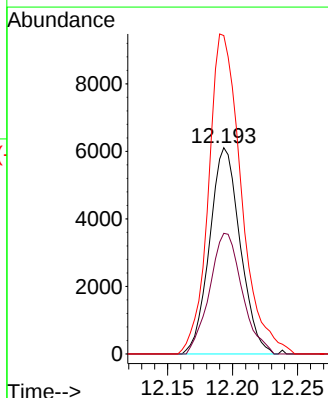
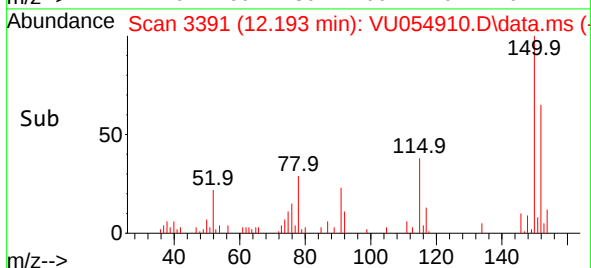
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

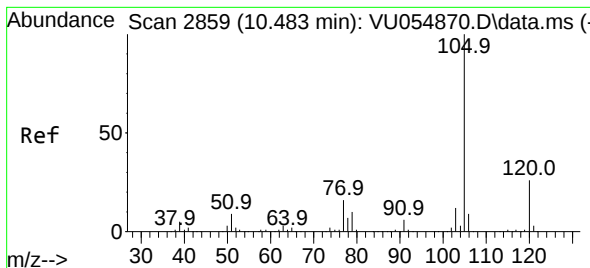


#68
1,2-Dichlorobenzene-d4
Concen: 1.040 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16



Tgt Ion:152 Resp: 9977
Ion Ratio Lower Upper
152 100
115 62.2 0.0 234.8
150 165.9 0.0 598.2





#69

Isopropylbenzene

Concen: 0.591 ug/l

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

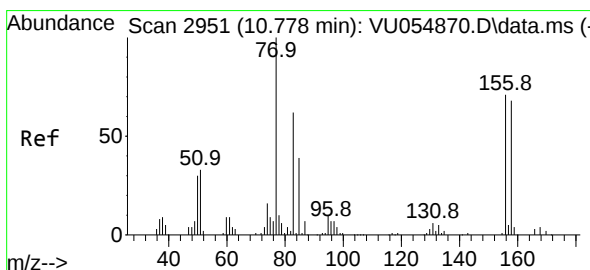
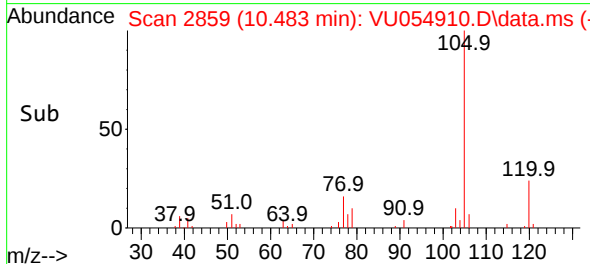
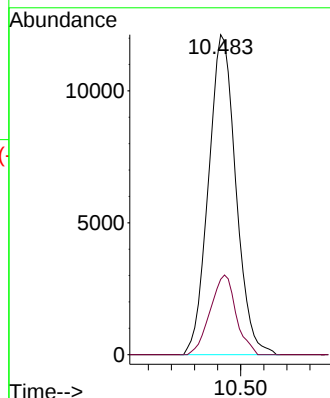
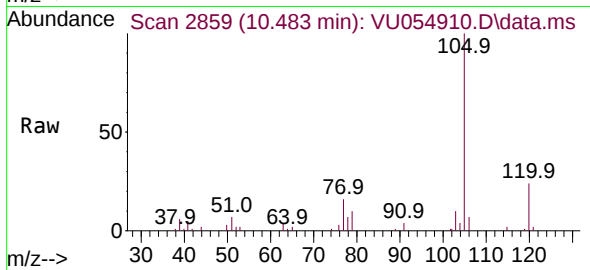
Tgt Ion:105 Resp: 1994
 Ion Ratio Lower Upper
 105 100
 120 23.5 12.6 37.6

Manual Integrations

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Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 0.629 ug/l

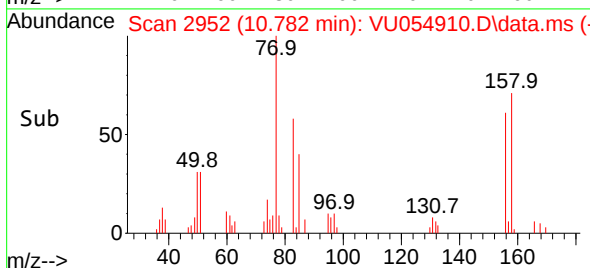
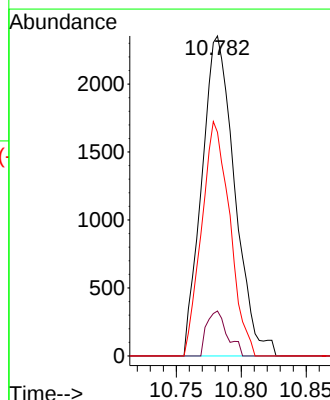
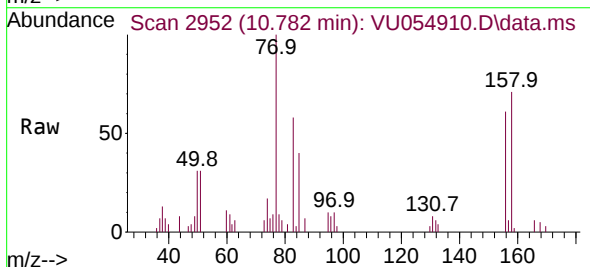
RT: 10.782 min Scan# 2952

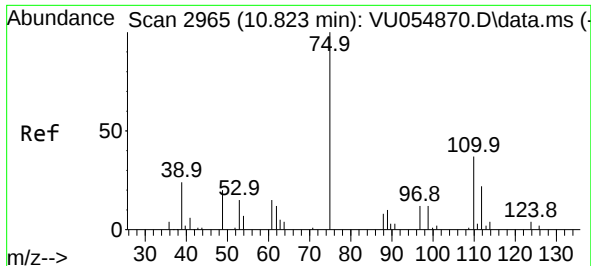
Delta R.T. 0.003 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

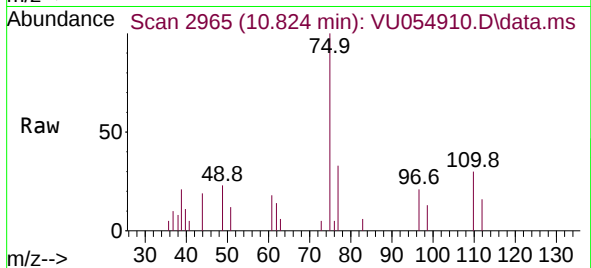
Tgt Ion: 83 Resp: 4133
 Ion Ratio Lower Upper
 83 100
 131 8.8 7.5 11.3
 85 62.8 53.0 79.6





#71
1,2,3-Trichloropropane
Concen: 0.636 ug/l m
RT: 10.824 min Scan# 2965
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

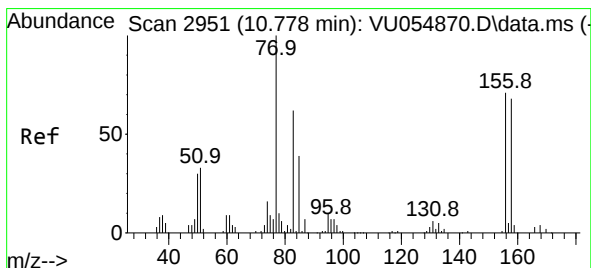
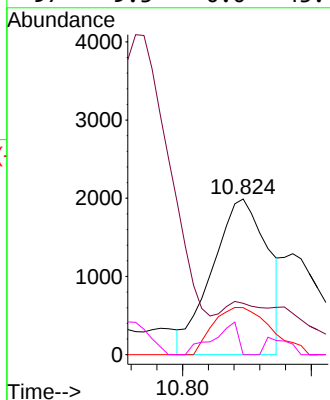
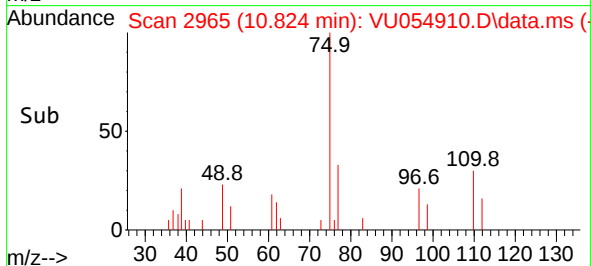


Tgt Ion: 75 Resp: 2970

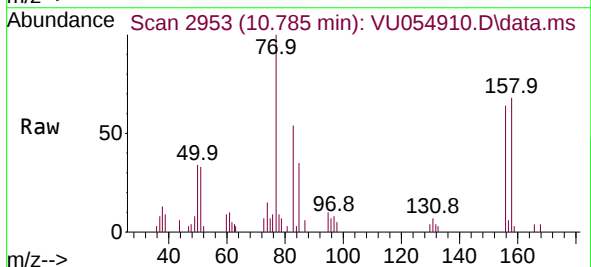
Ion	Ratio	Lower	Upper
75	100		
77	46.9	0.0	0.0
110	31.7	0.0	80.8
97	9.3	0.0	43.4

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

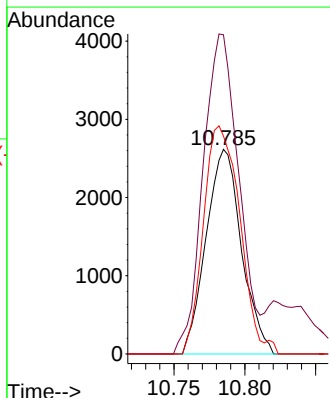
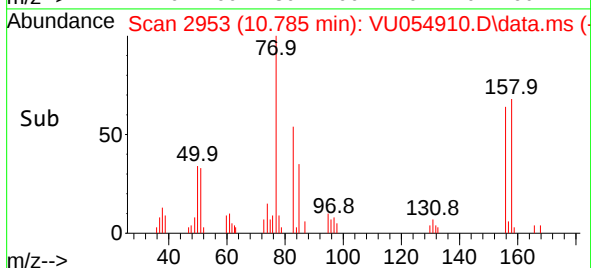


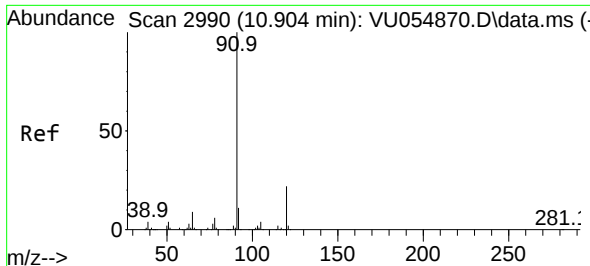
#72
Bromobenzene
Concen: 0.606 ug/l
RT: 10.785 min Scan# 2953
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16



Tgt Ion:156 Resp: 4550

Ion	Ratio	Lower	Upper
156	100		
77	157.3	0.0	293.2
158	114.8	0.0	189.8





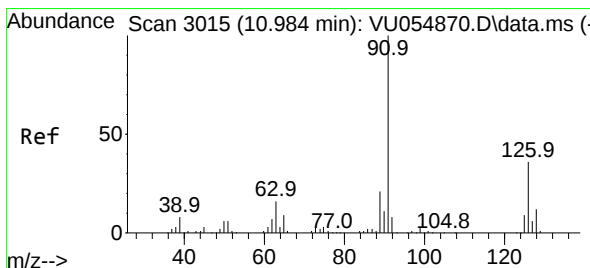
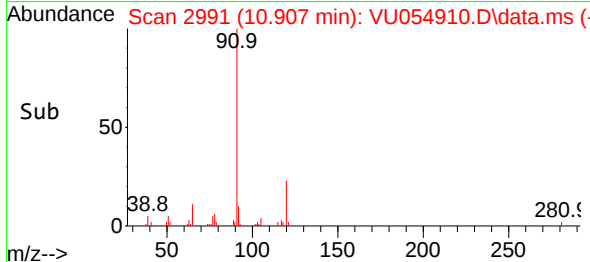
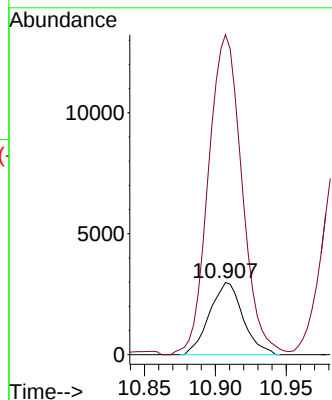
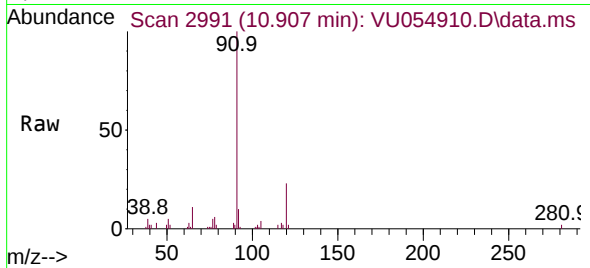
#73
n-propylbenzene
Concen: 0.542 ug/l
RT: 10.907 min Scan# 2990
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:120 Resp: 489
Ion Ratio Lower Upper
120 100
91 445.4 361.8 542.6

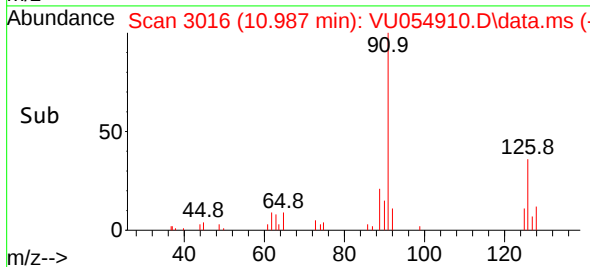
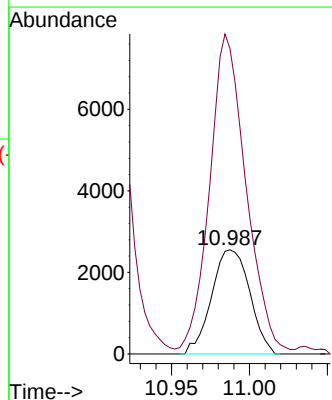
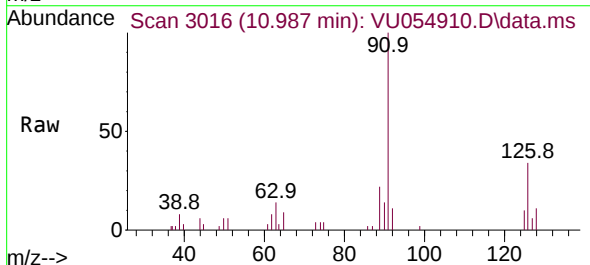
Manual Integrations
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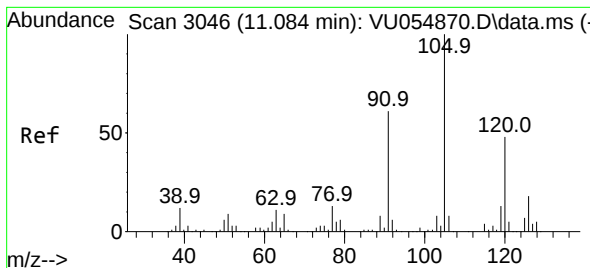
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#74
2-Chlorotoluene
Concen: 0.557 ug/l
RT: 10.987 min Scan# 3016
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion:126 Resp: 4353
Ion Ratio Lower Upper
126 100
91 285.8 0.0 561.4





#75

1,3,5-Trimethylbenzene

Concen: 0.555 ug/l

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU054910.D

Acq: 28 Jul 2023 15:16

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion:105 Resp: 1516

Ion Ratio Lower Upper

105 100

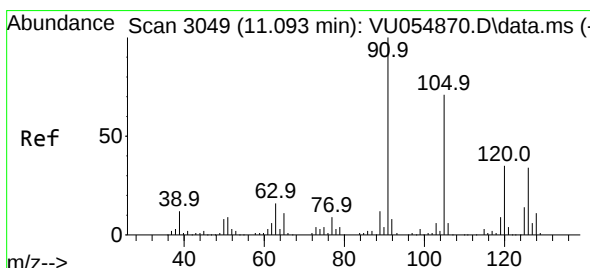
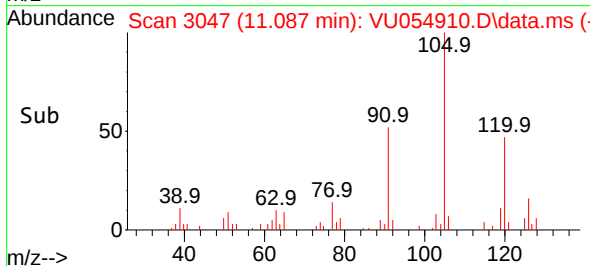
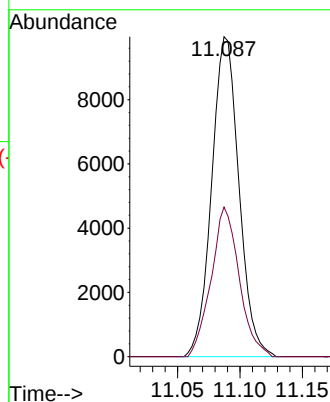
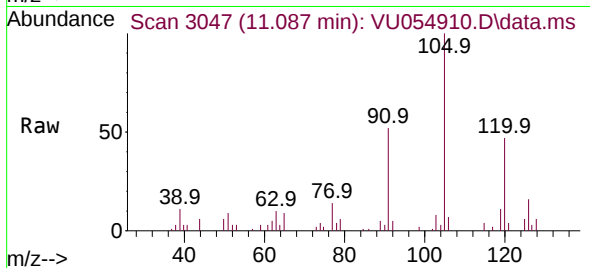
120 48.1 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#76

4-Chlorotoluene

Concen: 0.597 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VU054910.D

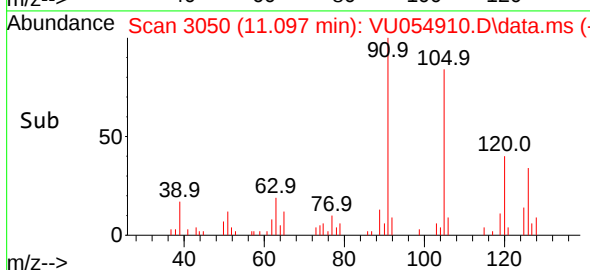
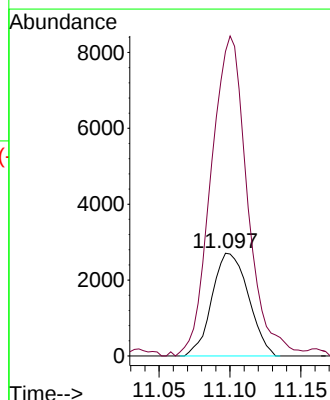
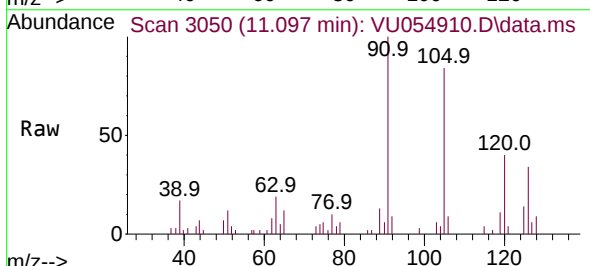
Acq: 28 Jul 2023 15:16

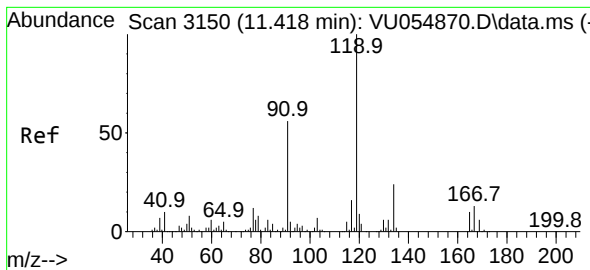
Tgt Ion:126 Resp: 4849

Ion Ratio Lower Upper

126 100

91 310.6 0.0 623.4





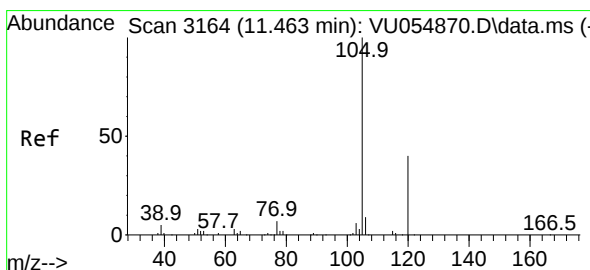
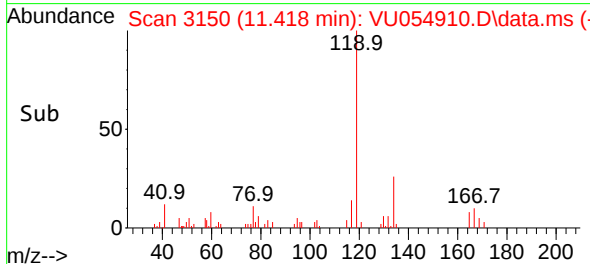
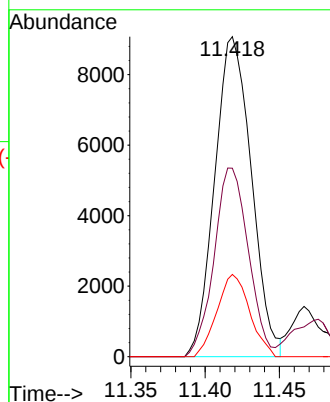
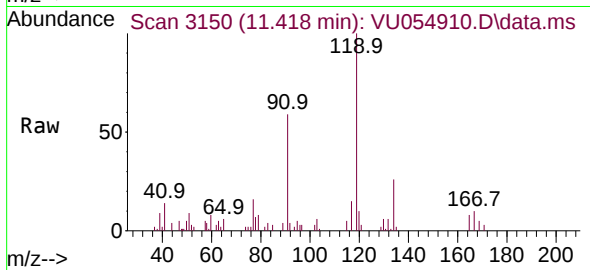
#77
tert-Butylbenzene
Concen: 0.549 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:119 Resp: 1558
Ion Ratio Lower Upper
119 100
91 55.2 27.7 83.1
134 23.0 18.6 27.8

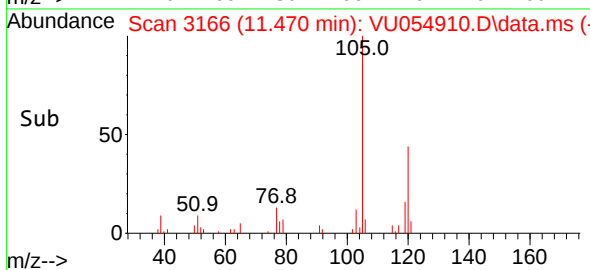
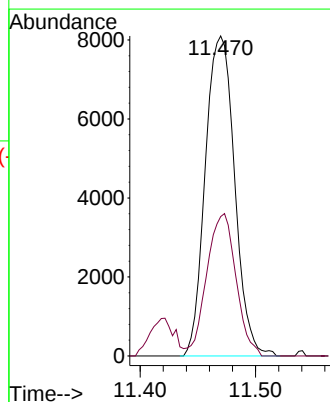
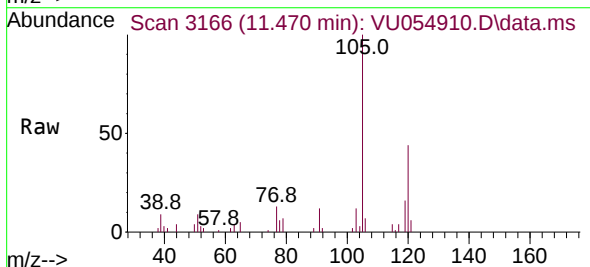
Manual Integrations
APPROVED

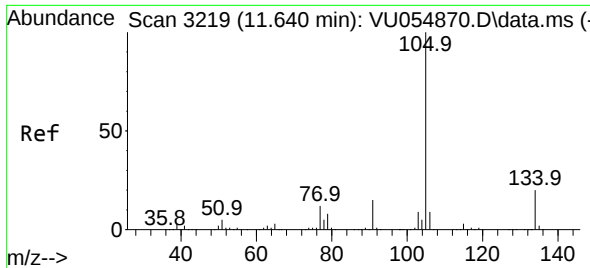
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.511 ug/l
RT: 11.470 min Scan# 3166
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion:105 Resp: 14295
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.3





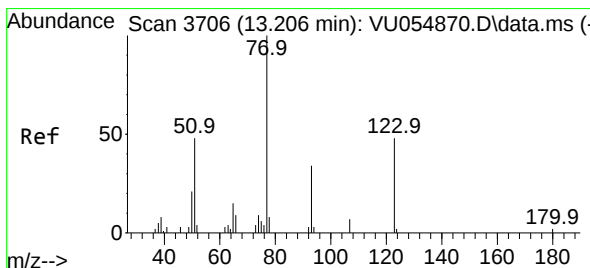
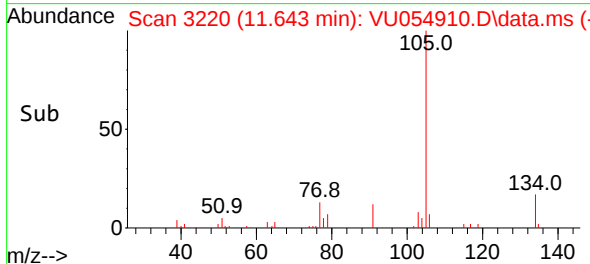
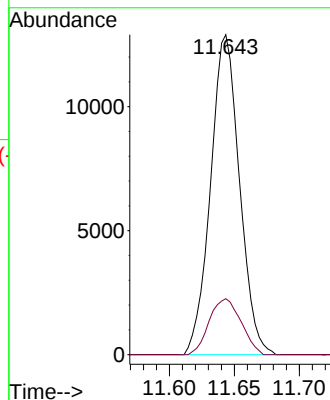
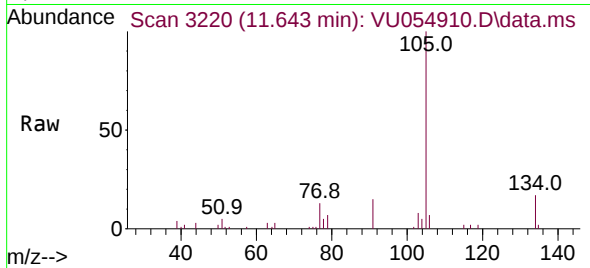
#79
 sec-Butylbenzene
 Concen: 0.541 ug/l
 RT: 11.643 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU054910.D
 Acq: 28 Jul 2023 15:16

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Tgt Ion:105 Resp: 1997
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.7 23.5

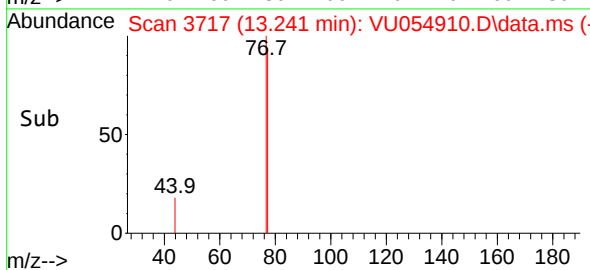
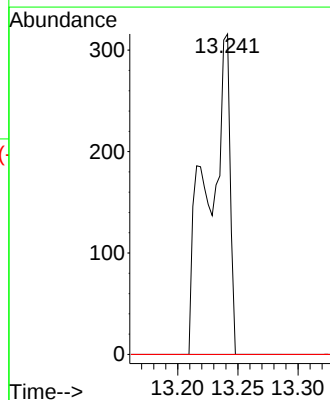
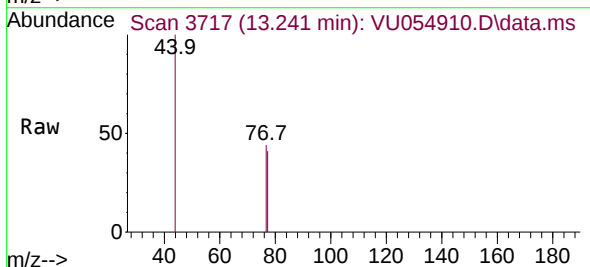
Manual Integrations
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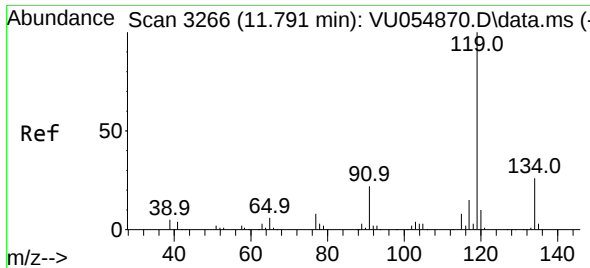
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#80
 Nitrobenzene
 Concen: 2.300 ug/l m
 RT: 13.241 min Scan# 3717
 Delta R.T. 0.035 min
 Lab File: VU054910.D
 Acq: 28 Jul 2023 15:16

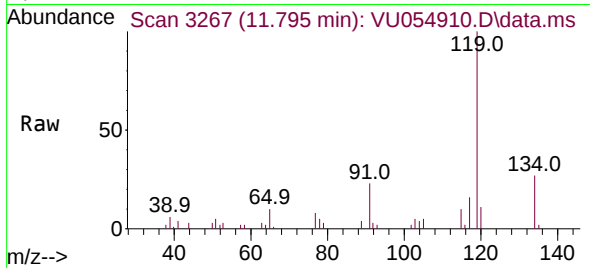
Tgt Ion: 77 Resp: 397
 Ion Ratio Lower Upper
 77 100
 123 0.0 20.2 71.8#
 65 0.0 11.7 14.9#





#81
p-Isopropyltoluene
Concen: 0.482 ug/l
RT: 11.795 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

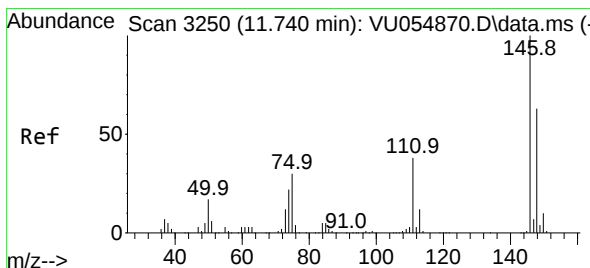
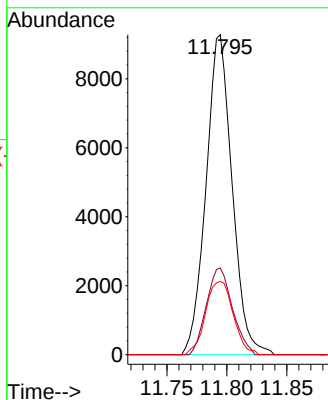
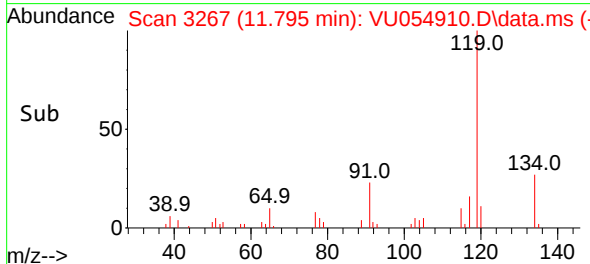
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



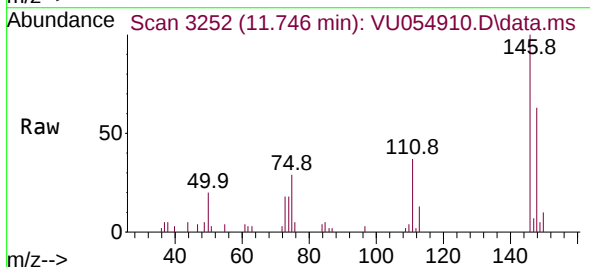
Tgt Ion:119 Resp: 14040
Ion Ratio Lower Upper
119 100
134 27.0 20.6 31.0
91 24.2 18.2 27.4

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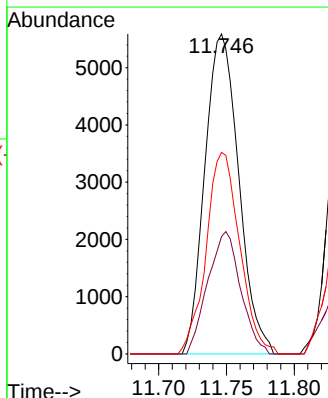
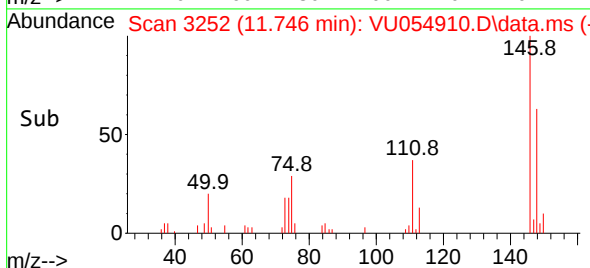
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

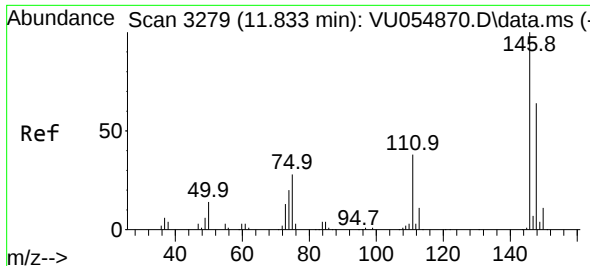


#82
1,3-Dichlorobenzene
Concen: 0.607 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16



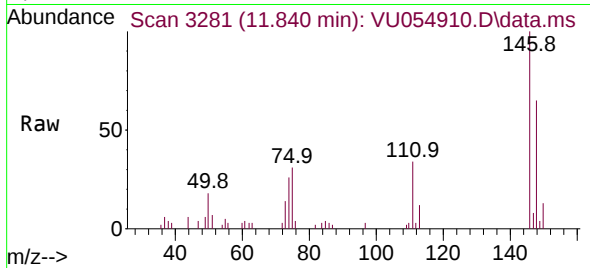
Tgt Ion:146 Resp: 9713
Ion Ratio Lower Upper
146 100
111 37.1 30.5 45.7
148 62.4 51.0 76.6





#83
1,4-Dichlorobenzene
Concen: 0.605 ug/l
RT: 11.840 min Scan# 3279
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

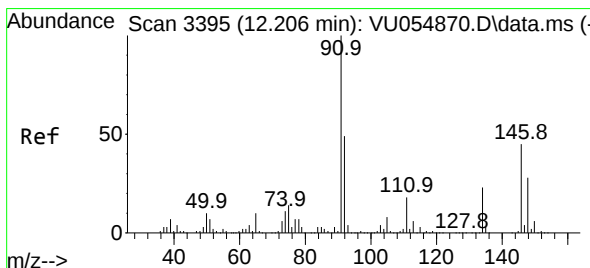
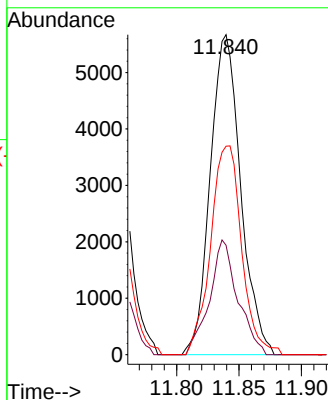
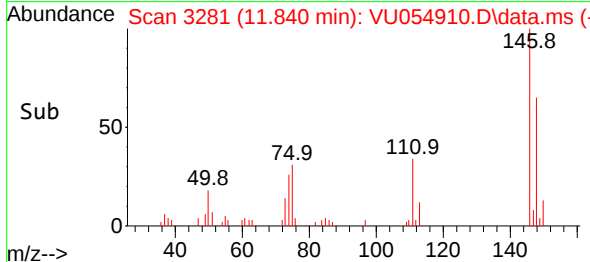
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



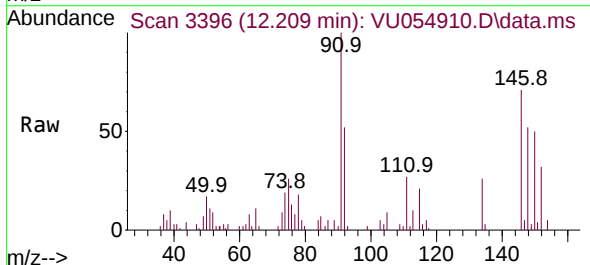
Tgt Ion:146 Resp: 9649
Ion Ratio Lower Upper
146 100
111 33.3 29.5 44.3
148 66.5 51.2 76.8

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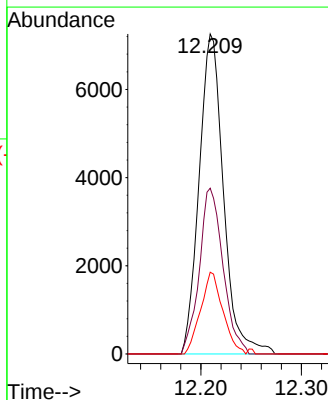
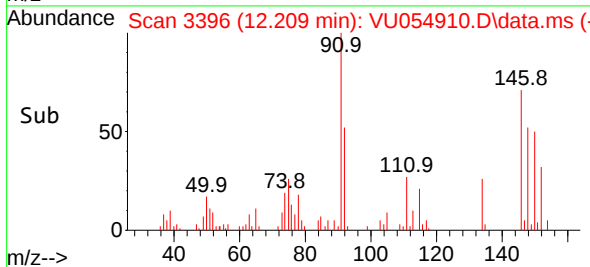
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

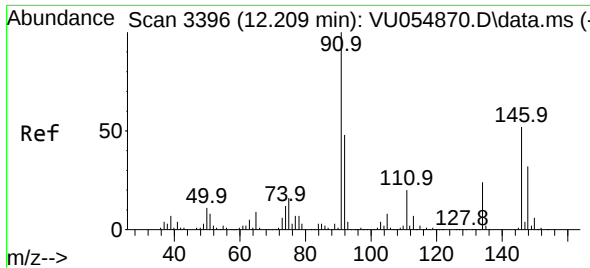


#84
n-Butylbenzene
Concen: 0.466 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16



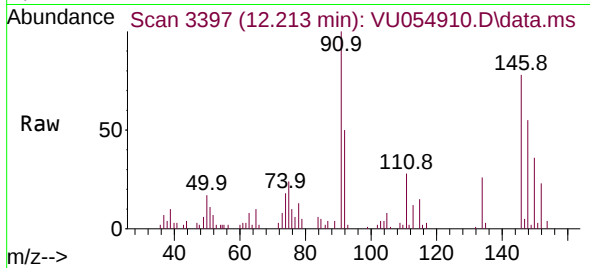
Tgt Ion: 91 Resp: 12213
Ion Ratio Lower Upper
91 100
92 50.4 39.8 59.8
134 23.3 20.2 30.4





#85
1,2-Dichlorobenzene
Concen: 0.596 ug/l
RT: 12.213 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

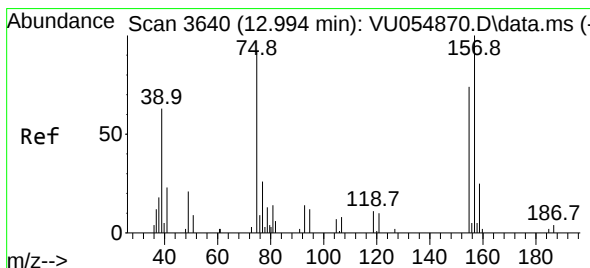
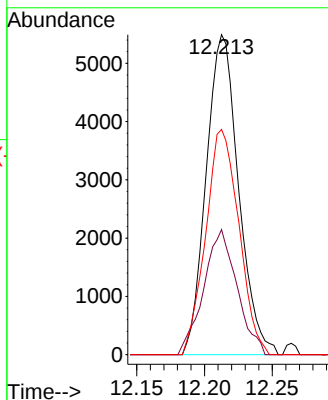
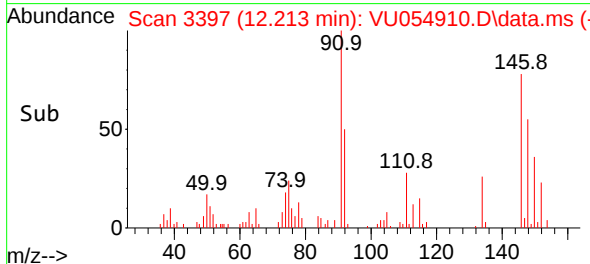
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:146 Resp: 913
Ion Ratio Lower Upper
146 100
111 40.1 19.8 59.4
148 72.1 31.8 95.3

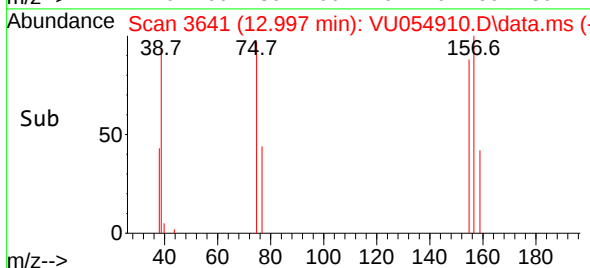
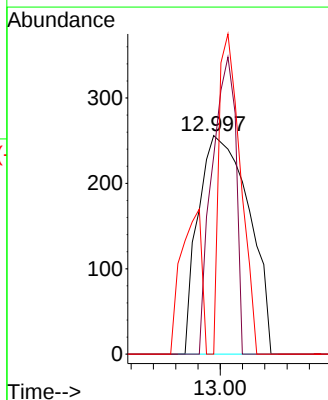
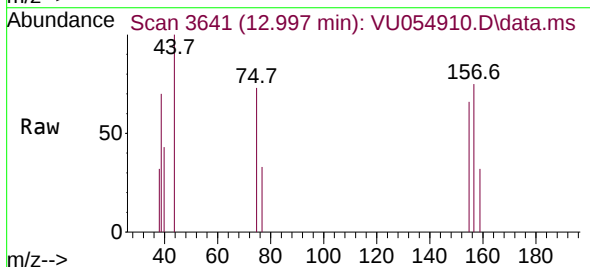
Manual Integrations
APPROVED

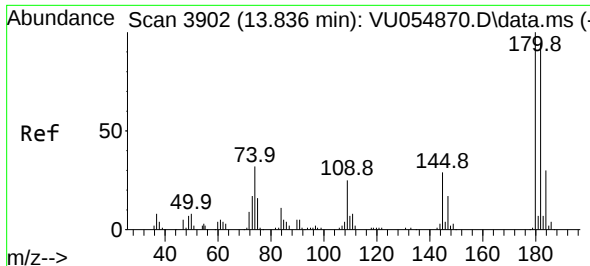
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.464 ug/l
RT: 12.997 min Scan# 3641
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

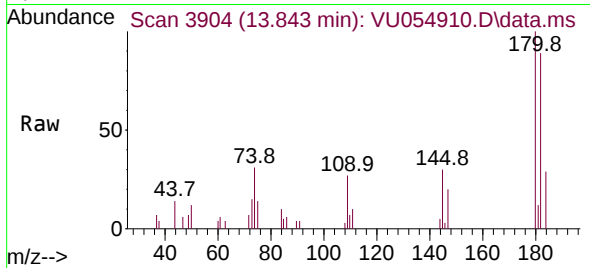
Tgt Ion: 75 Resp: 405
Ion Ratio Lower Upper
75 100
155 63.5 74.8 112.2#
157 62.0 97.4 146.0#





#87
1,2,4-Trichlorobenzene
Concen: 0.547 ug/l
RT: 13.843 min Scan# 3904
Delta R.T. 0.007 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

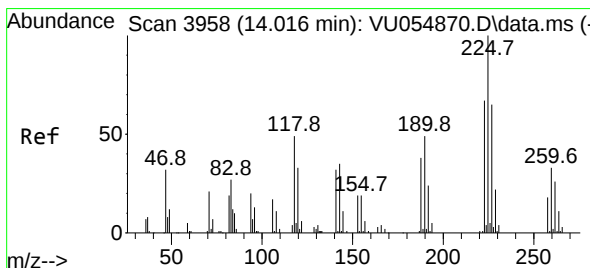
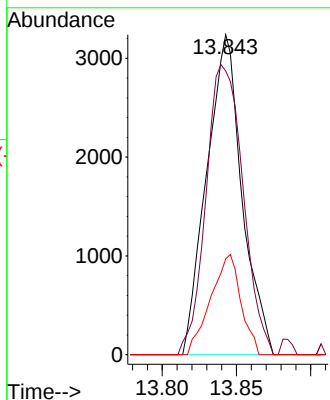
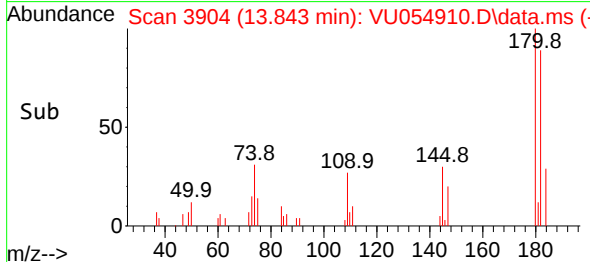
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:180 Resp: 5349
Ion Ratio Lower Upper
180 100
182 95.1 77.0 115.6
145 26.8 23.4 35.0

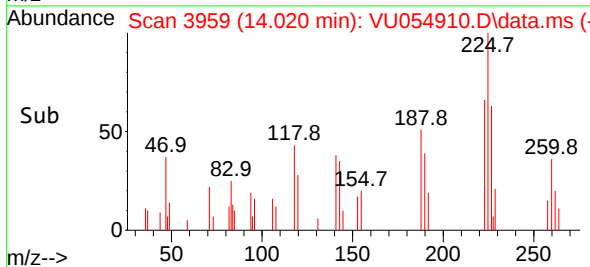
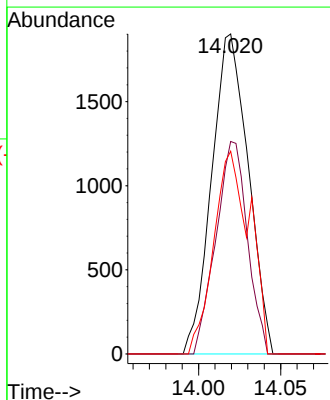
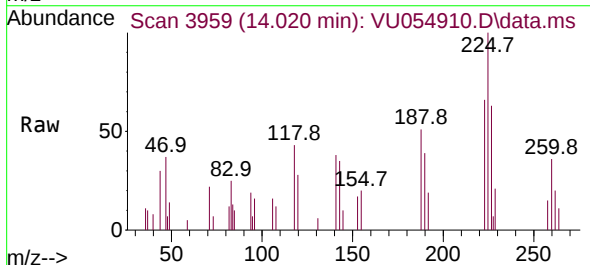
Manual Integrations
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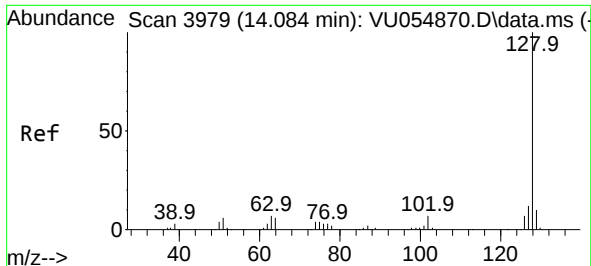
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#88
Hexachlorobutadiene
Concen: 0.564 ug/l
RT: 14.020 min Scan# 3959
Delta R.T. 0.003 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

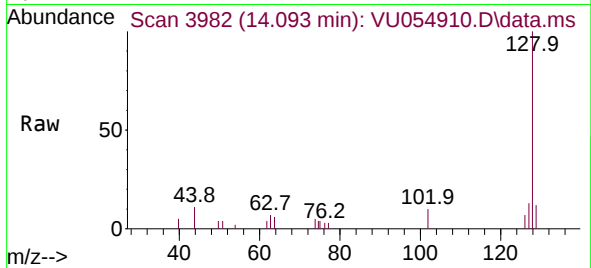
Tgt Ion:225 Resp: 2941
Ion Ratio Lower Upper
225 100
223 57.2 50.6 76.0
227 62.8 50.7 76.1





#89
Naphthalene
Concen: 0.502 ug/l
RT: 14.093 min Scan# 3979
Delta R.T. 0.010 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

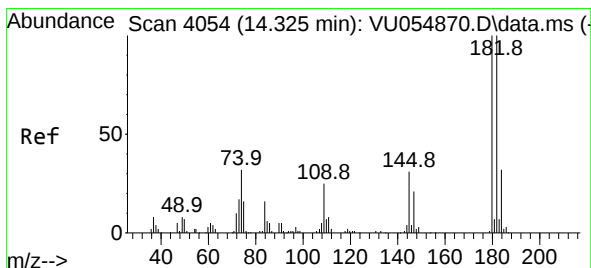
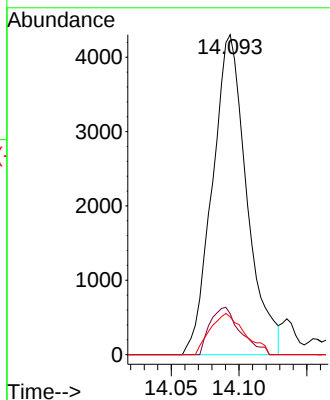
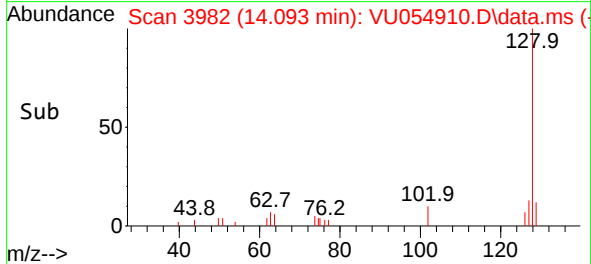
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:128 Resp: 760
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 12.9 8.7 13.1

Manual Integrations
APPROVED

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



#90
1,2,3-Trichlorobenzene
Concen: 0.572 ug/l
RT: 14.335 min Scan# 4057
Delta R.T. 0.010 min
Lab File: VU054910.D
Acq: 28 Jul 2023 15:16

Tgt Ion:180 Resp: 4961
Ion Ratio Lower Upper
180 100
182 90.4 76.0 114.0
145 33.1 24.3 36.5

