

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072823\
 Data File : VU054911.D
 Acq On : 28 Jul 2023 15:40
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 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 23:25:31 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	25915	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8257	1.051	ug/l	0.00
Spiked Amount 1.000			Recovery	= 105.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	9527	1.073	ug/l	0.00
Spiked Amount 1.000			Recovery	= 107.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	3768	0.764	ug/l	100
3) Chloromethane	1.515	50	5272	0.951	ug/l	100
4) Vinyl Chloride	1.599	62	6850	0.925	ug/l	94
5) Bromomethane	1.853	94	5163	0.879	ug/l	91
6) Chloroethane	1.930	64	5673	0.741	ug/l	91
7) Trichlorofluoromethane	2.132	101	13959	0.803	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	4675	0.829	ug/l	97
9) 1,1-Dichloroethene	2.576	96	3681	0.823	ug/l	92
10) Iodomethane	2.718	142	5135	0.735	ug/l	98
11) Allyl Chloride	2.920	41	4856	0.908	ug/l	94
12) Acrylonitrile	3.345	53	2094m	1.865	ug/l	
13) Acetone	2.647	43	6479	5.521	ug/l	# 85
14) Carbon Disulfide	2.788	76	6585	0.850	ug/l	98
15) Methylene Chloride	3.042	84	6394	1.024	ug/l	95
16) trans-1,2-Dichloroethene	3.348	96	4325	0.888	ug/l	88
17) 1,1-Dichloroethane	3.869	63	9319	0.855	ug/l	# 95
18) 2-Butanone	4.734	43	7153m	4.832	ug/l	
19) Cyclohexane	5.380	56	5520m	0.901	ug/l	
20) Methylcyclohexane	6.759	83	6807	0.830	ug/l	94
21) 2,2-Dichloropropane	4.660	77	7383	0.731	ug/l	99
22) cis-1,2-Dichloroethene	4.669	96	5803m	0.896	ug/l	
23) Diethyl Ether	2.374	59	6141	0.930	ug/l	# 88
24) tert-Butyl Alcohol	3.222	59	5841m	9.512	ug/l	
25) Methyl tert-Butyl Ether	3.367	73	13106	0.947	ug/l	96
26) Bromochloromethane	4.978	128	2114	0.796	ug/l	87
27) Chloroform	5.081	83	11039	0.944	ug/l	88
28) 1,1,1-Trichloroethane	5.316	97	8294	0.821	ug/l	91
29) 1,1-Dichloropropene	5.525	75	6170	0.828	ug/l	98
30) Carbon Tetrachloride	5.521	117	7028	0.833	ug/l	87
31) Isopropyl Ether	3.988	45	14420	0.897	ug/l	94
32) Ethyl-t-butyl ether	4.499	59	15036	0.908	ug/l	93
33) Tert-Amyl methyl ether	5.939	73	14277	0.912	ug/l	# 82
34) Propionitrile	4.798	54	2312m	5.664	ug/l	
35) Benzene	5.772	78	20952	0.898	ug/l	100
36) 1,2-Dichloroethane	5.798	62	6155	0.927	ug/l	# 94
37) Trichloroethene	6.541	130	5379	0.857	ug/l	# 66
38) 1,2-Dichloropropane	6.788	63	6023	0.913	ug/l	93
39) Methacrylonitrile	4.991	41	1437	0.878	ug/l	# 75
40) Methyl acrylate	4.865	55	2413m	0.927	ug/l	
41) Tetrahydrofuran	5.065	42	2020m	2.159	ug/l	
42) 1-Chlorobutane	5.457	56	8116	0.832	ug/l	91
43) Dibromomethane	6.920	93	2888	0.932	ug/l	# 85
44) Bromodichloromethane	7.103	83	8033	0.930	ug/l	99

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Instrument :
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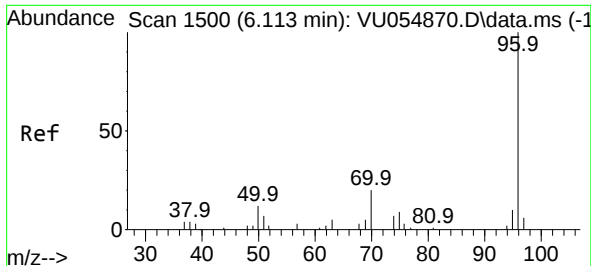
Quant Time: Jul 28 23:25:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
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 Supervised By : Mahesh Dadoda 07/31/2023

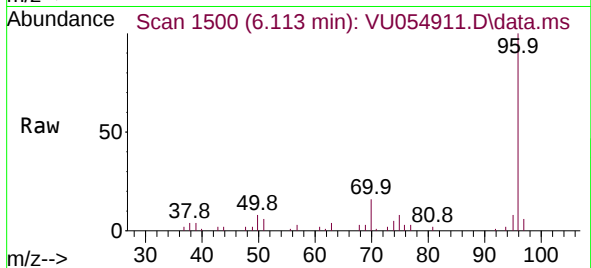
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	16240	4.491	ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	2647m	1.819	ug/l	
47) Methyl methacrylate	6.962	69	5136	1.813	ug/l	95
48) Ethyl methacrylate	8.335	69	4991	0.871	ug/l	94
49) Toluene	7.968	92	13456	0.905	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	6857	0.894	ug/l	92
51) cis-1,3-Dichloropropene	7.608	75	7825	0.830	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	4635	0.943	ug/l #	82
53) 1,3-Dichloropropane	8.576	76	8289	1.043	ug/l	98
54) 2-Hexanone	8.688	43	12048	4.689	ug/l	94
55) Dibromochloromethane	8.804	129	4718	0.838	ug/l	91
56) 1,2-Dibromoethane	8.923	107	4209	1.011	ug/l	85
58) Tetrachloroethene	8.550	164	4972	0.907	ug/l	90
59) Chlorobenzene	9.447	112	15729	0.872	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.534	131	5050	0.793	ug/l	90
61) Pentachloroethane	11.425	117	3814	0.766	ug/l	98
62) Hexachloroethane	12.470	117	4009	0.783	ug/l	99
63) Ethyl Benzene	9.569	91	26096	0.862	ug/l	97
64) m/p-Xylenes	9.695	106	19128	1.689	ug/l	95
65) o-Xylene	10.097	106	10138	0.871	ug/l	94
66) Styrene	10.116	104	15337	0.824	ug/l	98
67) Bromoform	10.286	173	2751	0.942	ug/l #	98
69) Isopropylbenzene	10.483	105	26643	0.853	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	6489	1.067	ug/l	94
71) 1,2,3-Trichloropropane	10.827	75	4546m	1.049	ug/l	
72) Bromobenzene	10.785	156	6867	0.987	ug/l	85
73) n-propylbenzene	10.904	120	6753	0.808	ug/l	100
74) 2-Chlorotoluene	10.984	126	6045	0.835	ug/l	92
75) 1,3,5-Trimethylbenzene	11.087	105	21103	0.834	ug/l	100
76) 4-Chlorotoluene	11.097	126	6883	0.915	ug/l	94
77) tert-Butylbenzene	11.415	119	21367	0.812	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	20627	0.796	ug/l	99
79) sec-Butylbenzene	11.643	105	27821	0.814	ug/l	97
80) Nitrobenzene	13.219	77	707	4.425	ug/l #	42
81) p-Isopropyltoluene	11.791	119	20864	0.773	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	12373	0.836	ug/l	94
83) 1,4-Dichlorobenzene	11.836	146	13743	0.931	ug/l	96
84) n-Butylbenzene	12.209	91	18323	0.756	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	12704	0.895	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	568	0.703	ug/l #	16
87) 1,2,4-Trichlorobenzene	13.836	180	7878	0.870	ug/l	98
88) Hexachlorobutadiene	14.016	225	4123	0.854	ug/l	94
89) Naphthalene	14.087	128	12152	0.867	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	7548	0.940	ug/l #	87

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VU054911.D
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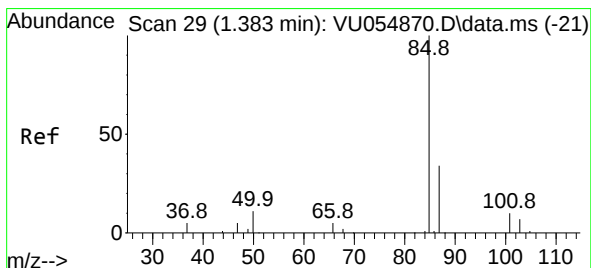
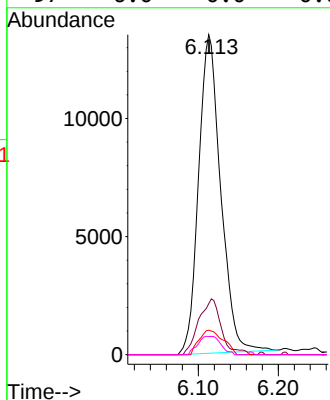
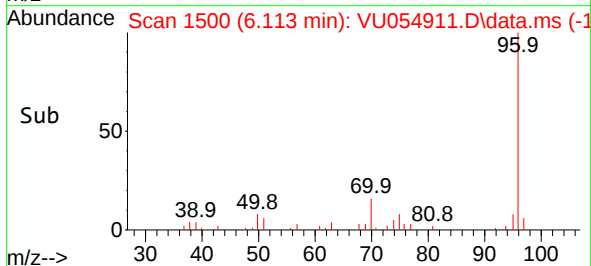
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 96 Resp: 2591
Ion Ratio Lower Upper
96 100
70 17.8 14.0 21.0
95 8.4 8.7 13.1
97 6.0 0.0 0.0#

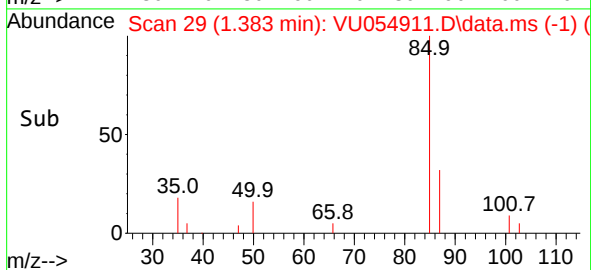
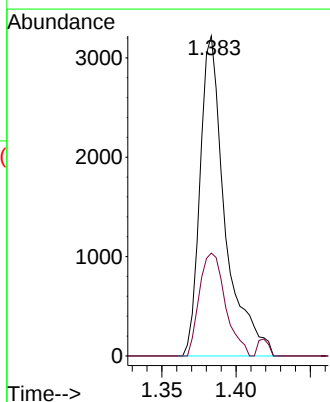
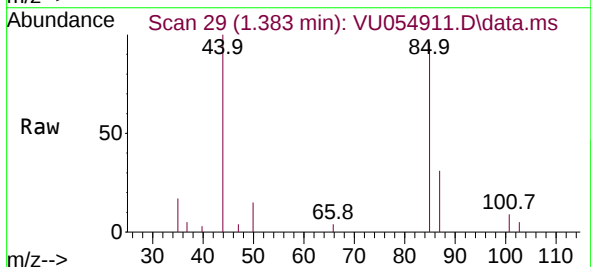
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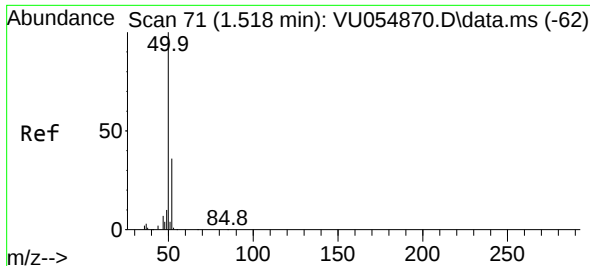
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#2
Dichlorodifluoromethane
Concen: 0.764 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 85 Resp: 3768
Ion Ratio Lower Upper
85 100
87 32.2 16.2 48.6





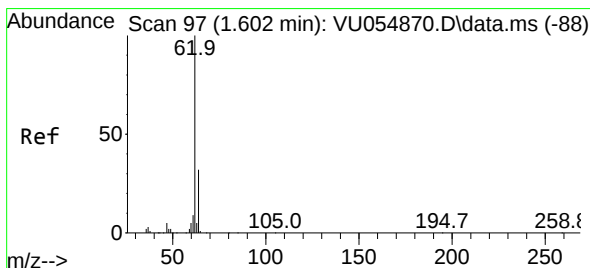
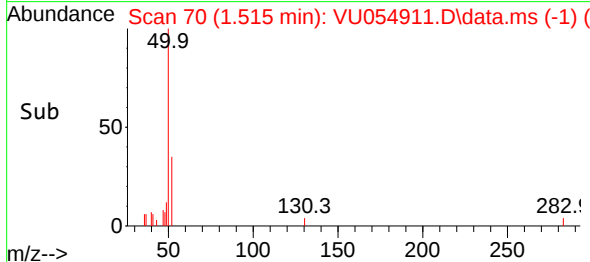
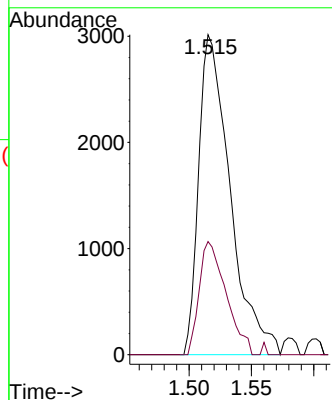
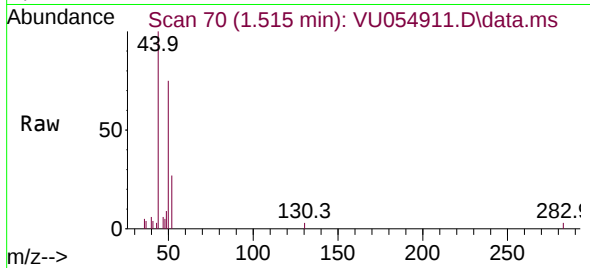
#3
Chloromethane
Concen: 0.951 ug/l
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 50 Resp: 5272
Ion Ratio Lower Upper
50 100
52 35.4 28.2 42.2

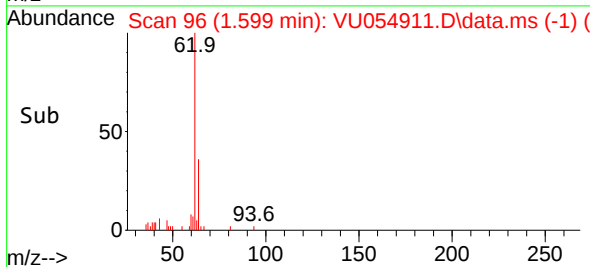
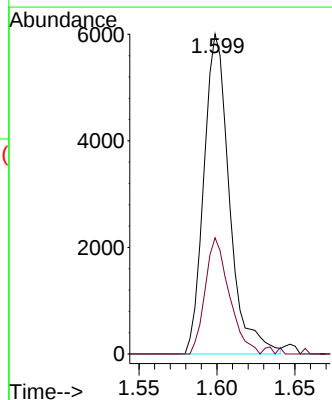
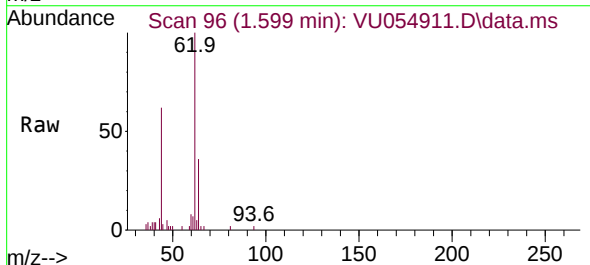
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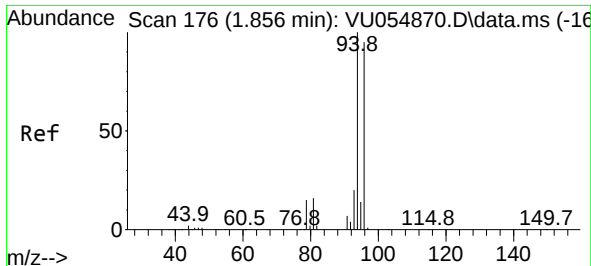
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#4
Vinyl Chloride
Concen: 0.925 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

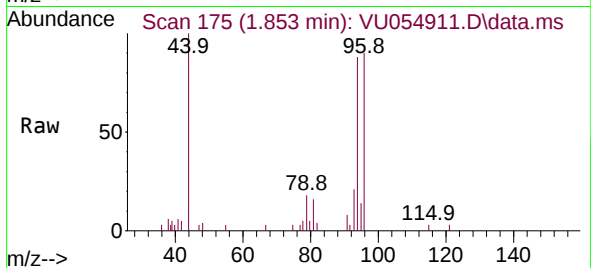
Tgt Ion: 62 Resp: 6850
Ion Ratio Lower Upper
62 100
64 36.3 26.4 39.6





#5
Bromomethane
Concen: 0.879 ug/l
RT: 1.853 min Scan# 175
Delta R.T. -0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

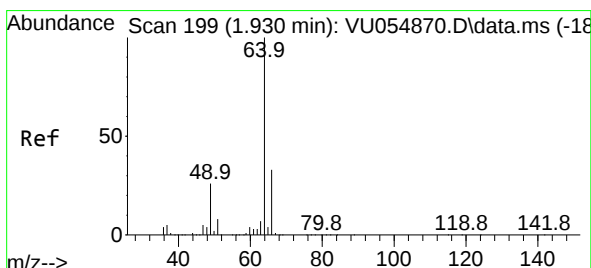
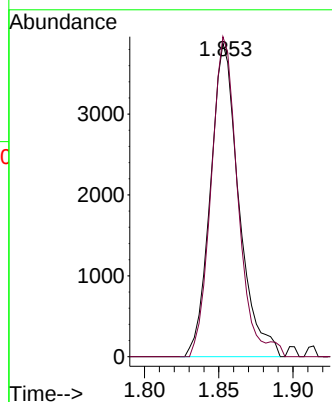
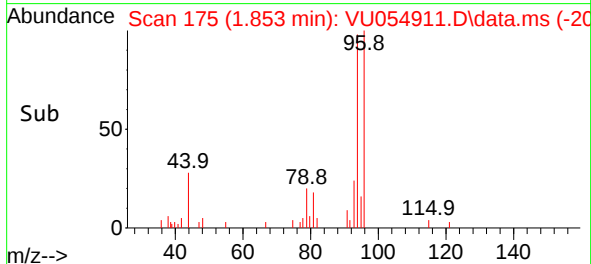
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 94 Resp: 516
Ion Ratio Lower Upper
94 100
96 102.1 74.6 111.8

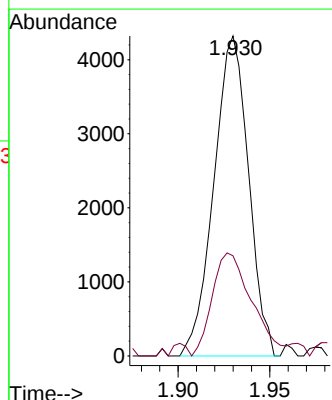
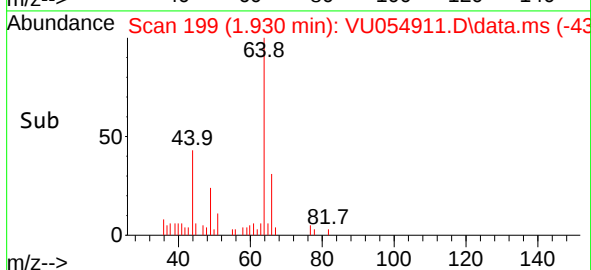
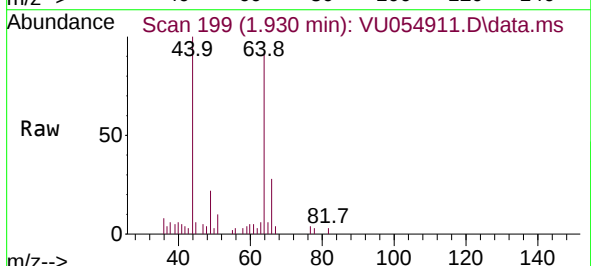
Manual Integrations
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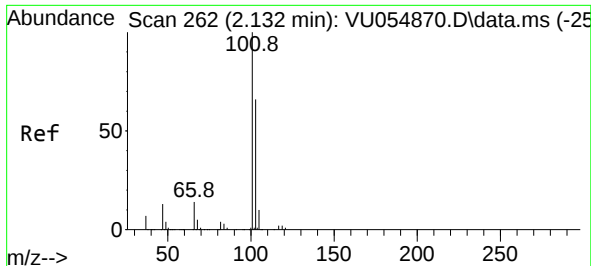
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#6
Chloroethane
Concen: 0.741 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 64 Resp: 5673
Ion Ratio Lower Upper
64 100
66 28.0 26.2 39.4





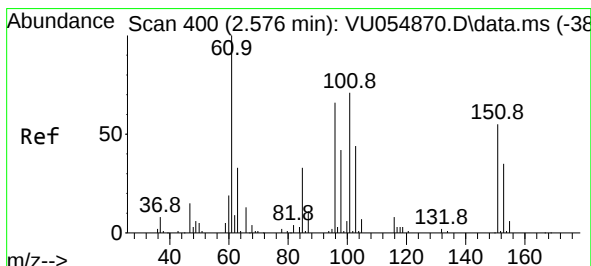
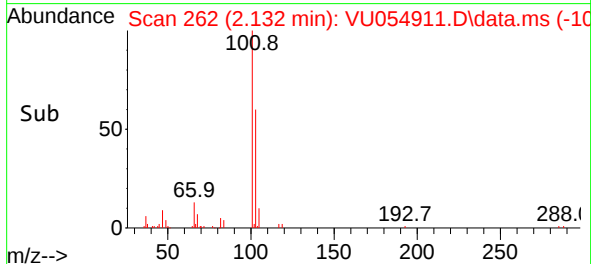
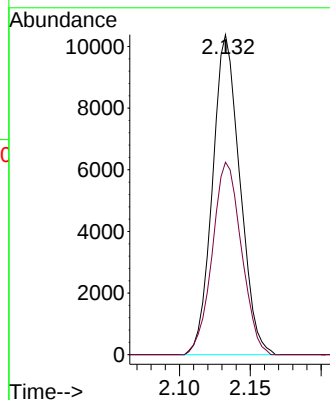
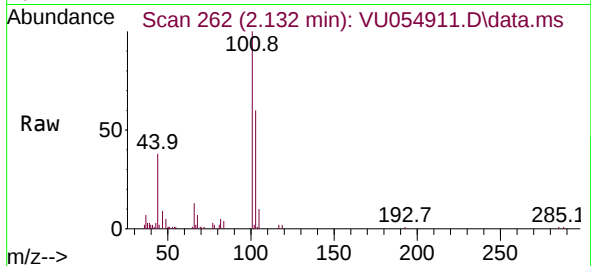
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 Trichlorofluoromethane
 Concen: 0.803 ug/l
 RT: 2.132 min Scan# 201
 Delta R.T. 0.000 min
 Lab File: VU054911.D
 Acq: 28 Jul 2023 15:40

Instrument :
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 ClientSampleId :
 RL-CHECK

Tgt Ion:101 Resp: 1395
 Ion Ratio Lower Upper
 101 100
 103 60.2 52.9 79.3

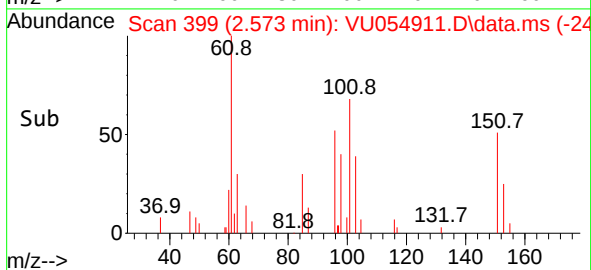
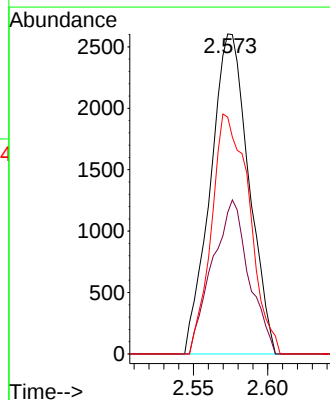
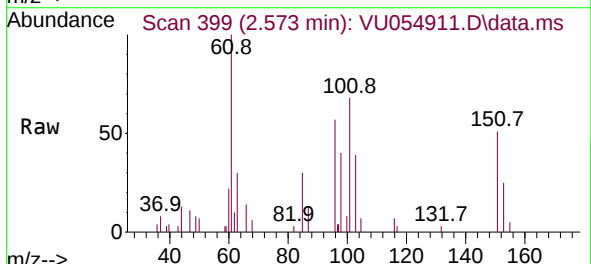
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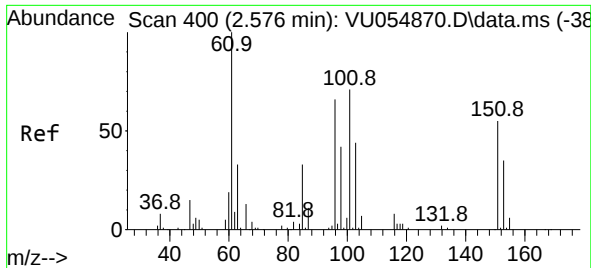
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.829 ug/l
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU054911.D
 Acq: 28 Jul 2023 15:40

Tgt Ion:101 Resp: 4675
 Ion Ratio Lower Upper
 101 100
 85 45.9 34.8 52.2
 151 73.9 60.5 90.7





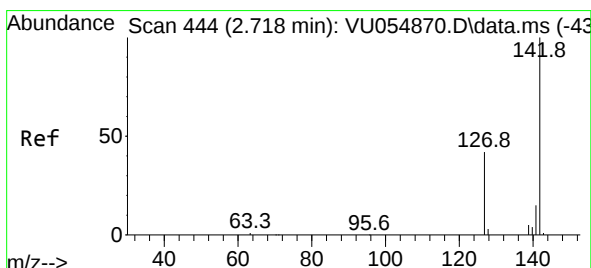
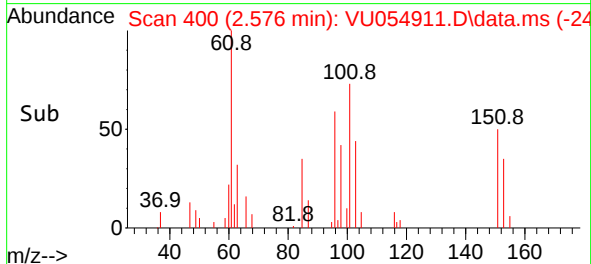
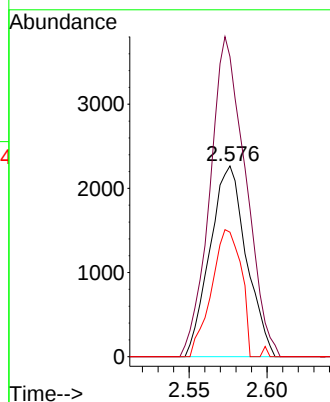
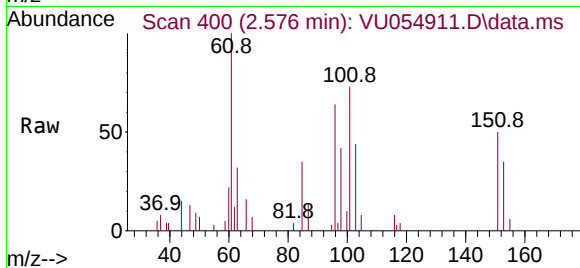
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1,1-Dichloroethene
Concen: 0.823 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 96 Resp: 368
Ion Ratio Lower Upper
96 100
61 157.3 0.0 440.1
98 65.3 0.0 121.8

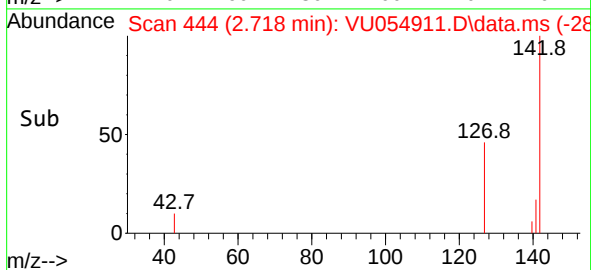
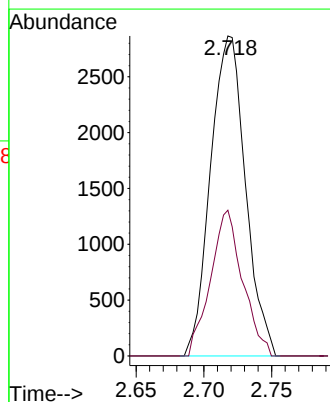
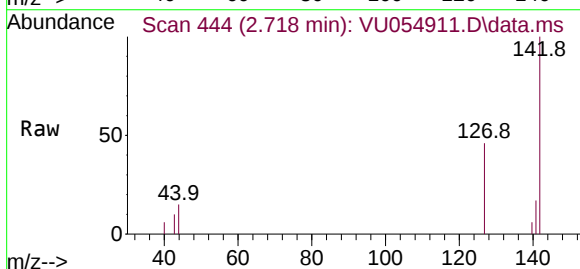
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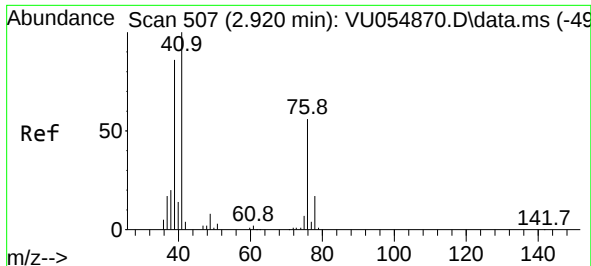
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#10
Iodomethane
Concen: 0.735 ug/l
RT: 2.718 min Scan# 444
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

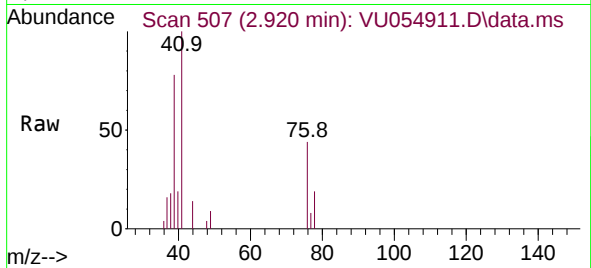
Tgt Ion:142 Resp: 5135
Ion Ratio Lower Upper
142 100
127 41.8 34.3 51.5





#11
 Allyl Chloride
 Concen: 0.908 ug/l
 RT: 2.920 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: VU054911.D
 Acq: 28 Jul 2023 15:40

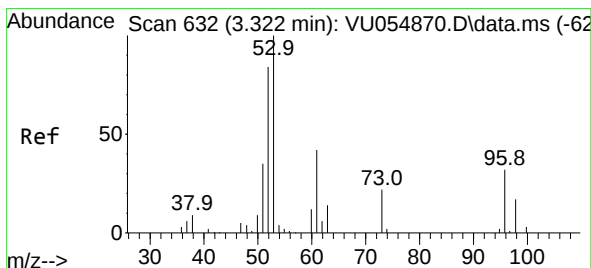
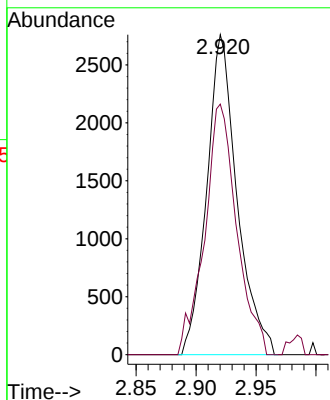
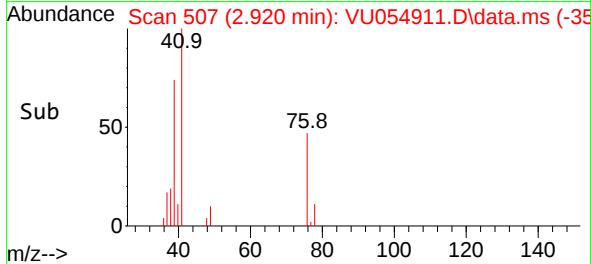
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK



Tgt Ion: 41 Resp: 4850
 Ion Ratio Lower Upper
 41 100
 39 82.3 70.2 105.2

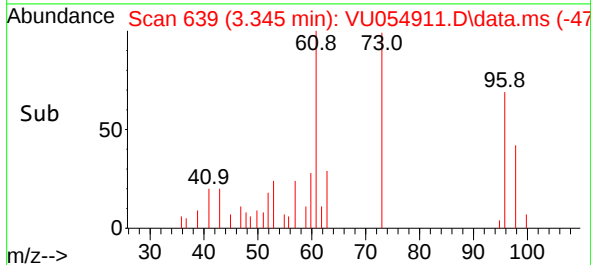
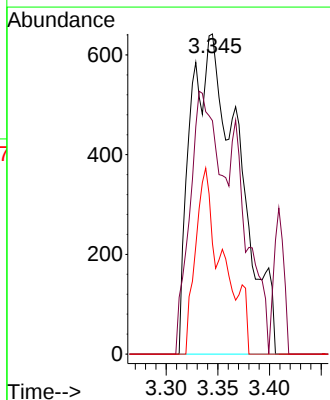
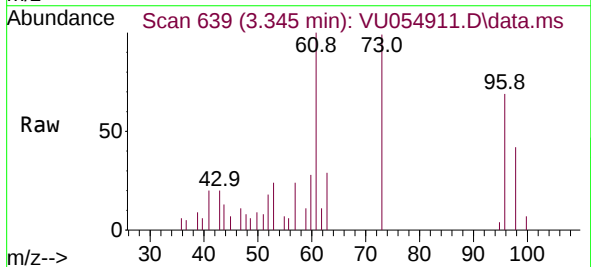
Manual Integrations
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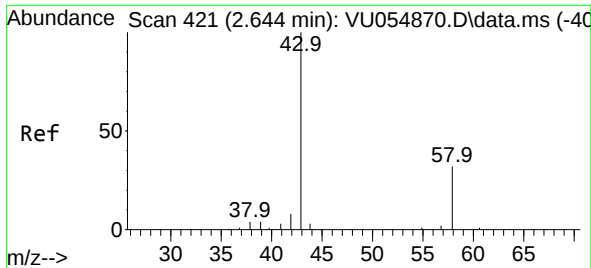
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#12
 Acrylonitrile
 Concen: 1.865 ug/l m
 RT: 3.345 min Scan# 639
 Delta R.T. 0.023 min
 Lab File: VU054911.D
 Acq: 28 Jul 2023 15:40

Tgt Ion: 53 Resp: 2094
 Ion Ratio Lower Upper
 53 100
 52 50.8 64.2 96.4#
 51 0.0 33.6 50.4#





#13

Acetone

Concen: 5.521 ug/l

RT: 2.647 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 43 Resp: 6479

Ion Ratio Lower Upper

43 100

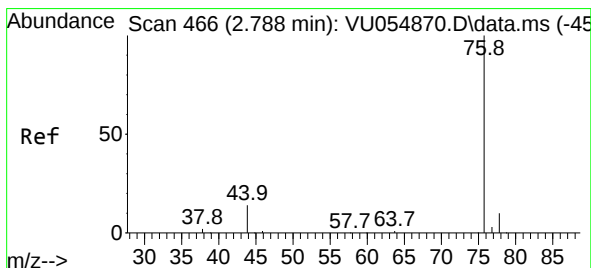
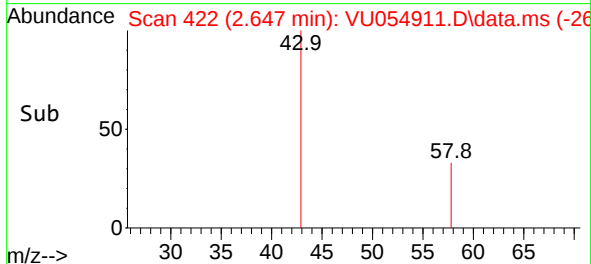
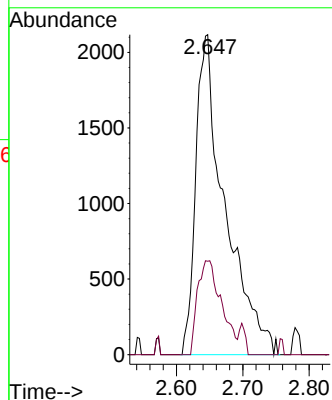
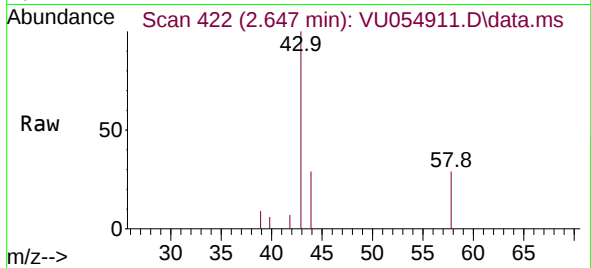
58 29.2 30.7 46.1

Manual Integrations

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Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#14

Carbon Disulfide

Concen: 0.850 ug/l

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU054911.D

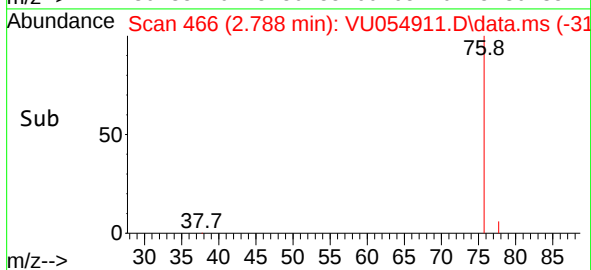
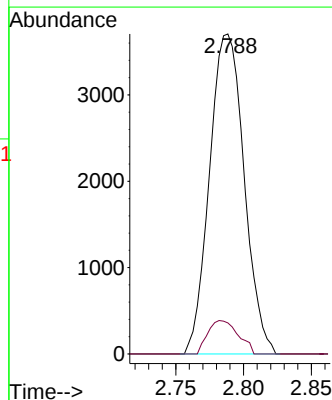
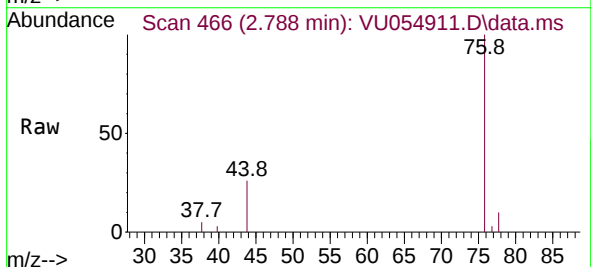
Acq: 28 Jul 2023 15:40

Tgt Ion: 76 Resp: 6585

Ion Ratio Lower Upper

76 100

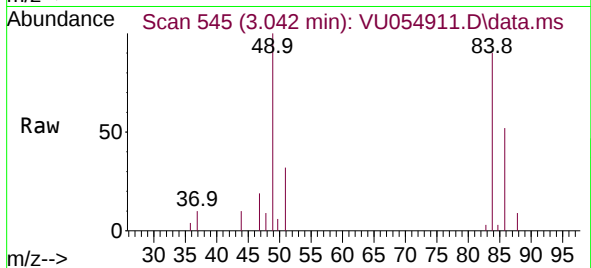
78 9.7 7.1 10.7





#15
Methylene Chloride
Concen: 1.024 ug/l
RT: 3.042 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

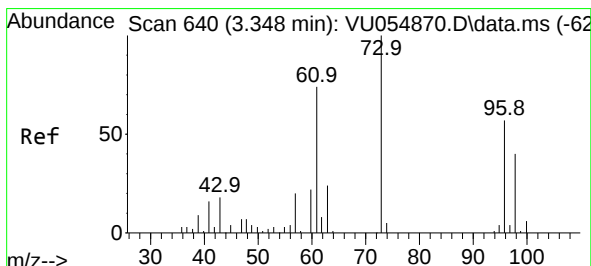
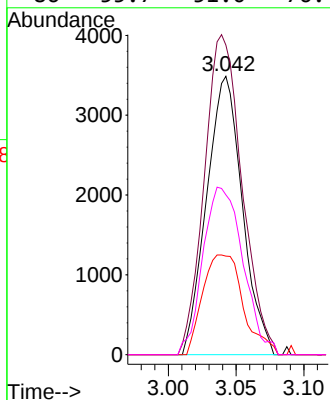
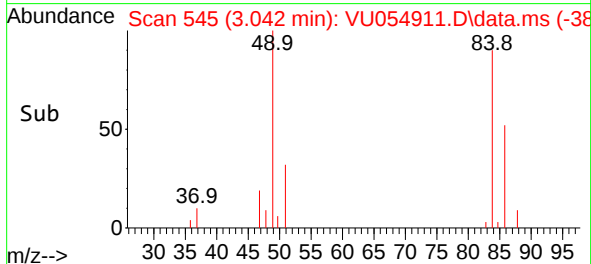
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 84 Resp: 6394
Ion Ratio Lower Upper
84 100
49 114.1 87.8 131.6
51 34.4 0.0 68.2
86 55.7 51.0 76.4

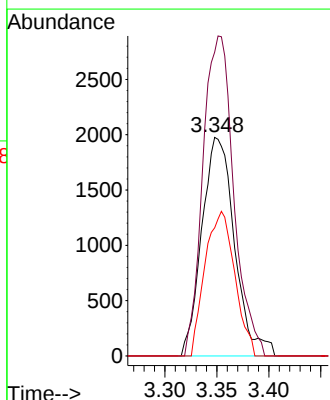
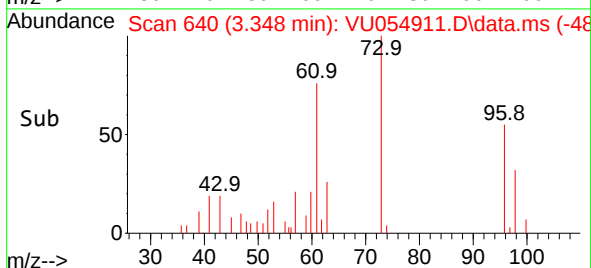
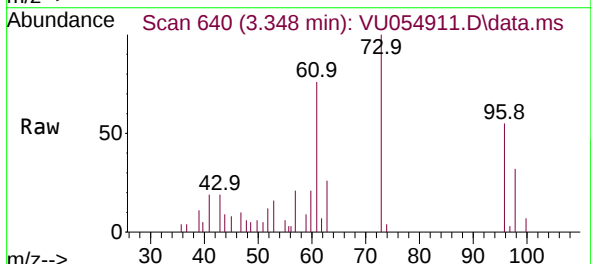
Manual Integrations
APPROVED

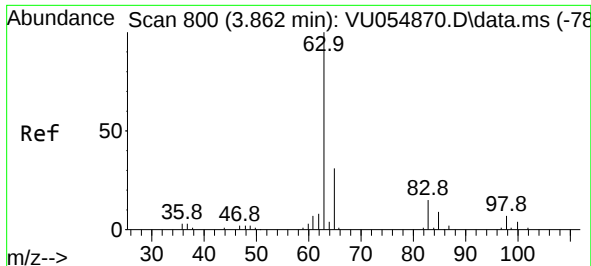
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#16
trans-1,2-Dichloroethene
Concen: 0.888 ug/l
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 96 Resp: 4325
Ion Ratio Lower Upper
96 100
61 139.0 96.4 144.6
98 58.6 49.3 73.9





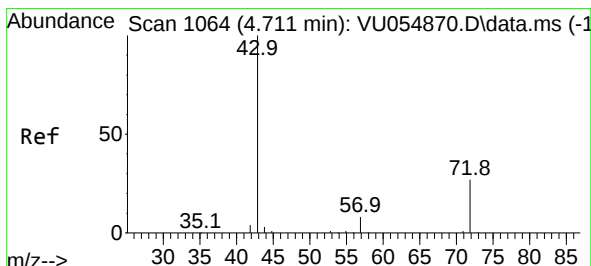
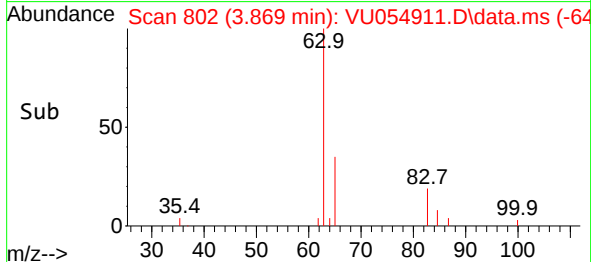
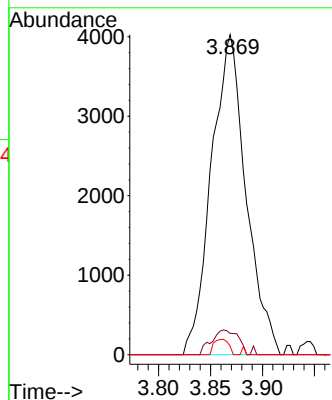
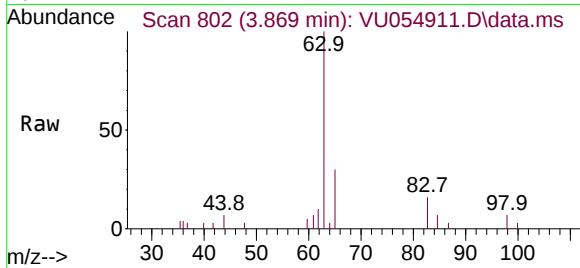
#17
1,1-Dichloroethane
Concen: 0.855 ug/l
RT: 3.869 min Scan# 800
Delta R.T. 0.007 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 63 Resp: 9319
Ion Ratio Lower Upper
63 100
98 6.6 3.6 10.8
100 2.7 2.8 8.4

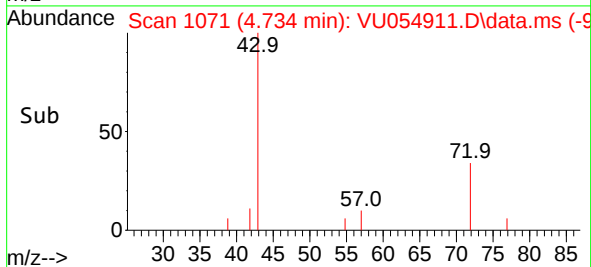
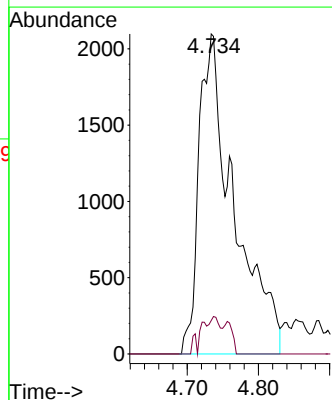
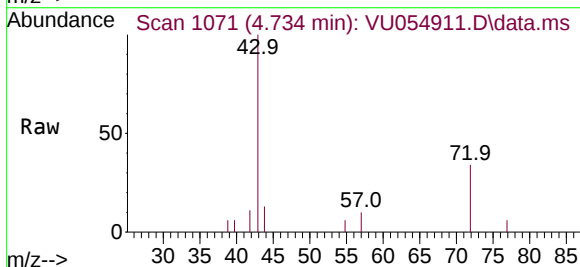
Manual Integrations
APPROVED

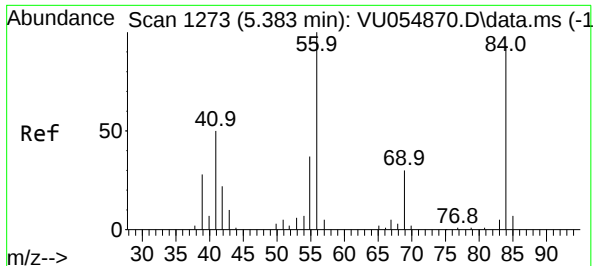
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
2-Butanone
Concen: 4.832 ug/l m
RT: 4.734 min Scan# 1071
Delta R.T. 0.023 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 43 Resp: 7153
Ion Ratio Lower Upper
43 100
57 10.4 0.0 20.8





#19

Cyclohexane

Concen: 0.901 ug/l m

RT: 5.380 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

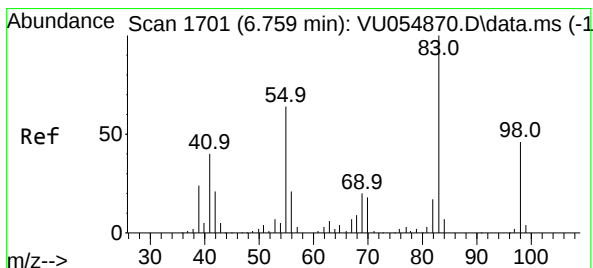
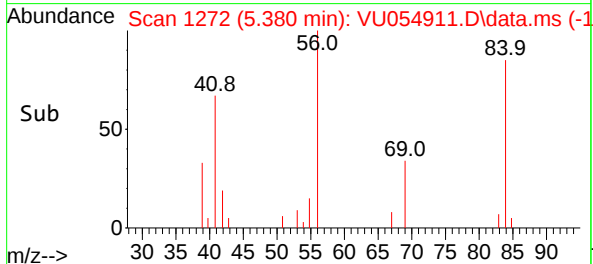
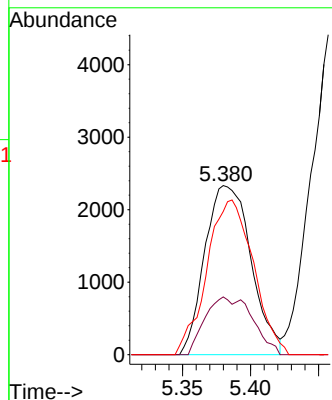
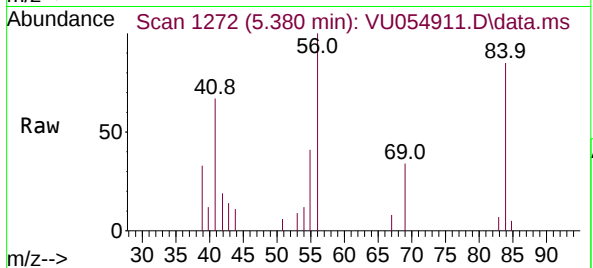
Tgt Ion:	56	Resp:	5520
Ion Ratio	Lower	Upper	
56	100		
69	20.0	24.7	37.1
84	91.6	76.5	114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#20

Methylcyclohexane

Concen: 0.830 ug/l

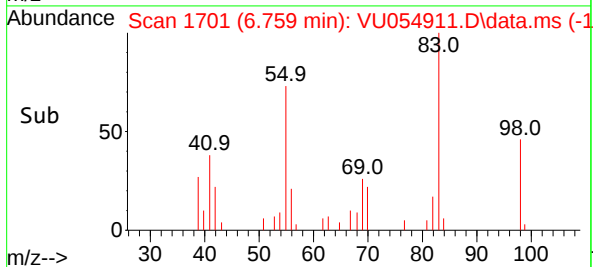
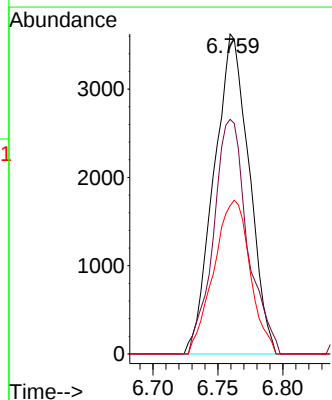
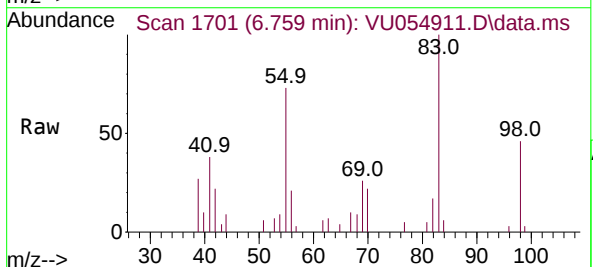
RT: 6.759 min Scan# 1701

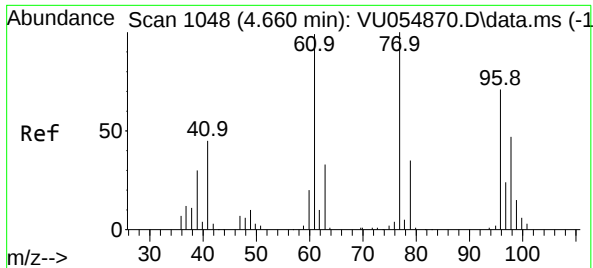
Delta R.T. 0.000 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Tgt Ion:	83	Resp:	6807
Ion Ratio	Lower	Upper	
83	100		
55	71.3	51.6	77.4
98	49.7	38.2	57.2





#21

2,2-Dichloropropane

Concen: 0.731 ug/l

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 77 Resp: 738

Ion Ratio Lower Upper

77 100

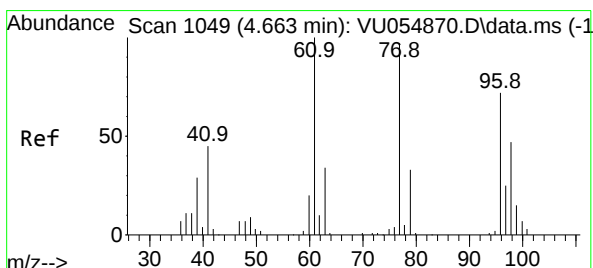
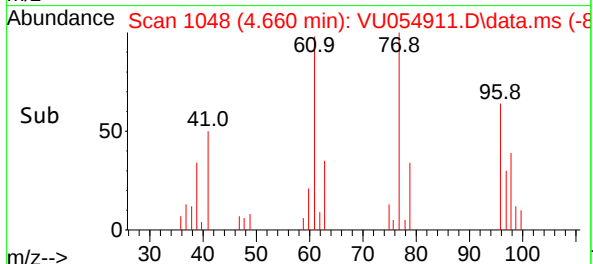
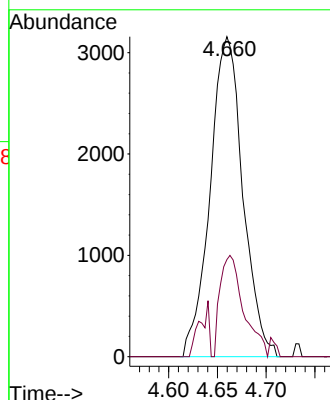
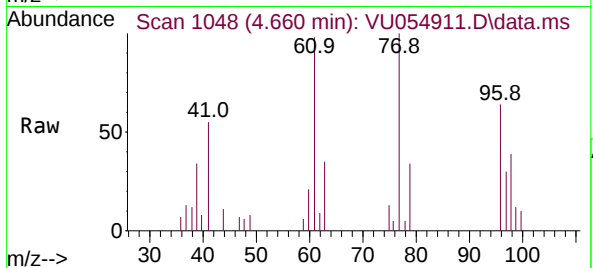
97 22.8 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#22

cis-1,2-Dichloroethene

Concen: 0.896 ug/l m

RT: 4.669 min Scan# 1051

Delta R.T. 0.006 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

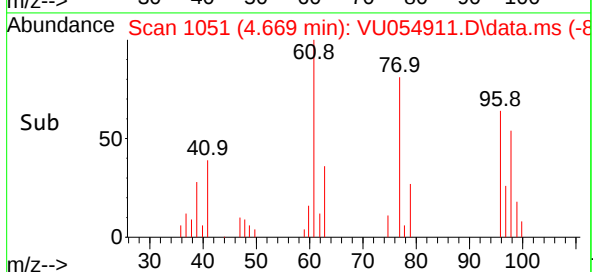
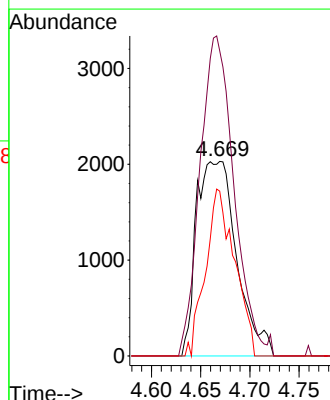
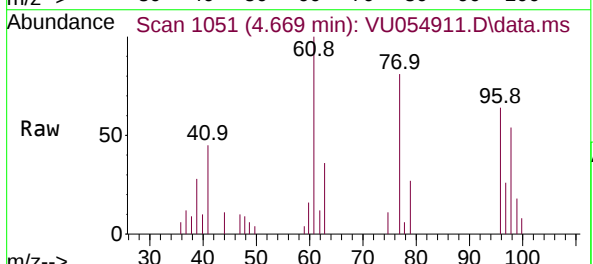
Tgt Ion: 96 Resp: 5803

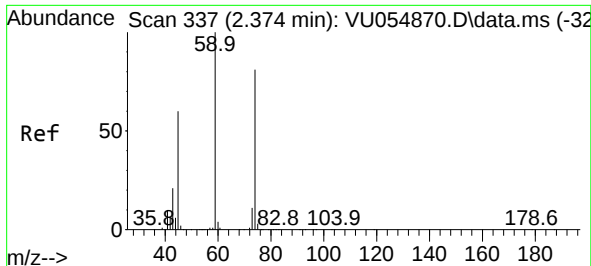
Ion Ratio Lower Upper

96 100

61 138.7 0.0 332.0

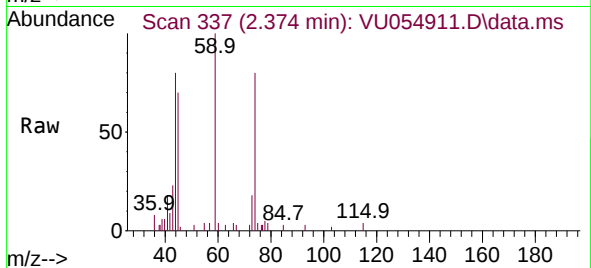
98 61.7 32.5 97.5





#23
Diethyl Ether
Concen: 0.930 ug/l
RT: 2.374 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

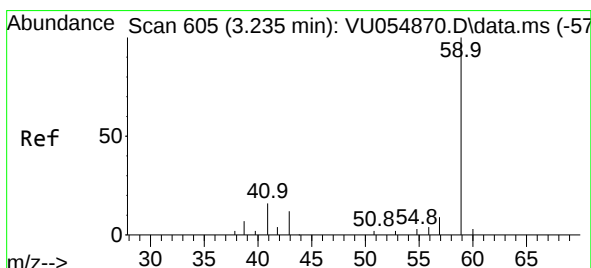
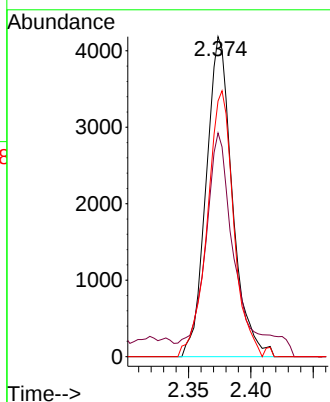
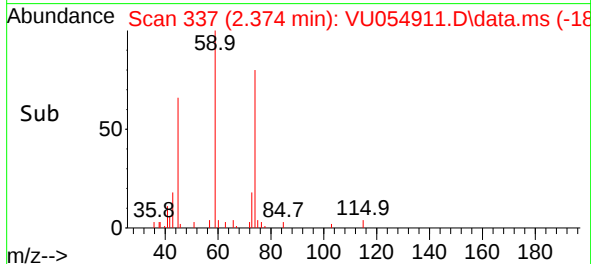
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 59 Resp: 614
Ion Ratio Lower Upper
59 100
45 79.5 51.4 77.0
74 83.3 63.1 94.7

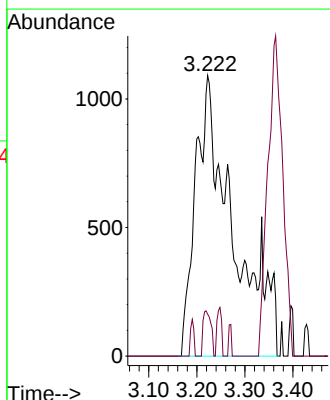
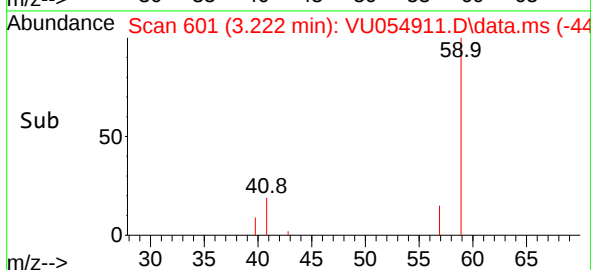
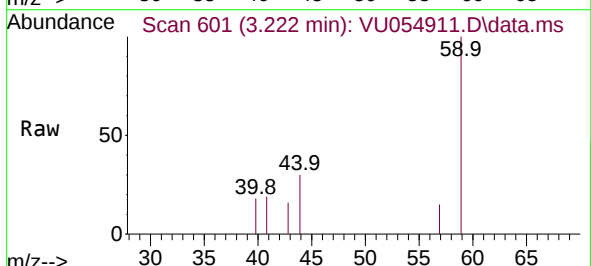
Manual Integrations
APPROVED

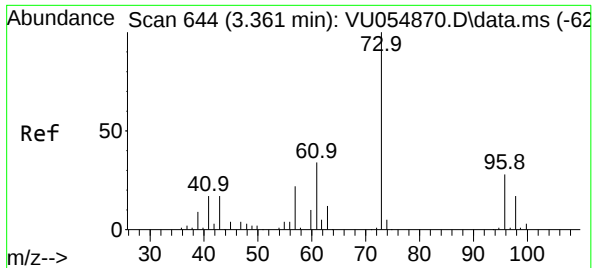
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#24
tert-Butyl Alcohol
Concen: 9.512 ug/l m
RT: 3.222 min Scan# 601
Delta R.T. -0.013 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 59 Resp: 5841
Ion Ratio Lower Upper
59 100
57 3.4 2.2 3.2#





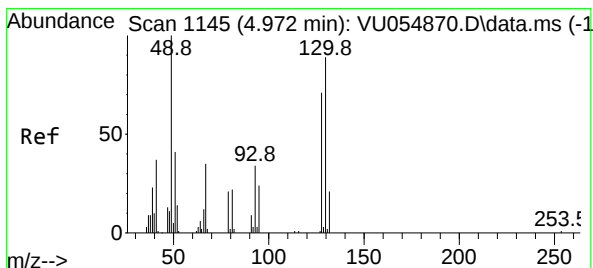
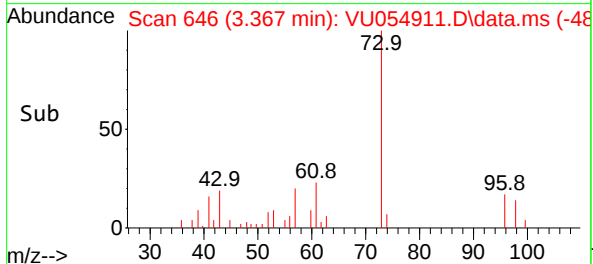
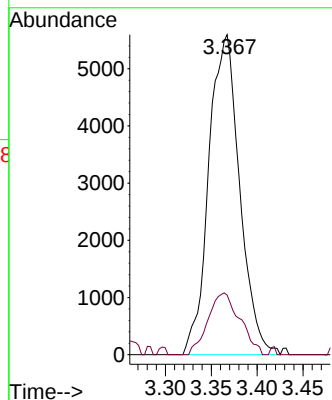
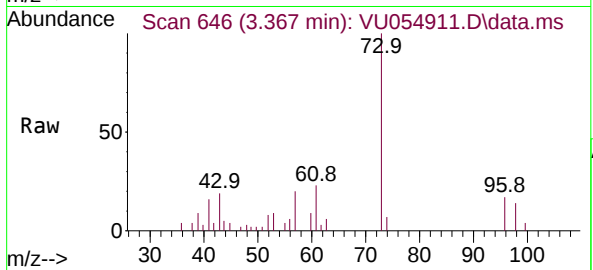
#25
Methyl tert-Butyl Ether
Concen: 0.947 ug/l
RT: 3.367 min Scan# 644
Delta R.T. 0.006 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 73 Resp: 13100
Ion Ratio Lower Upper
73 100
43 20.0 14.6 22.0

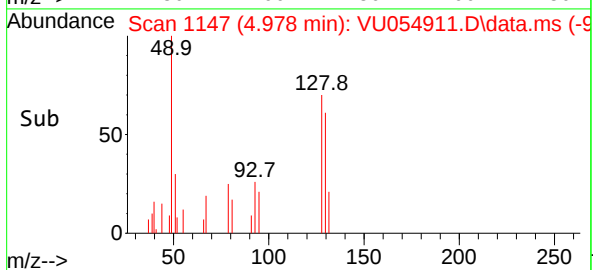
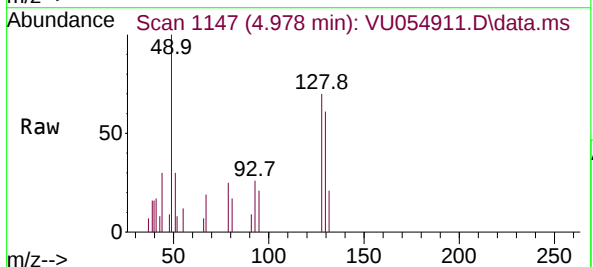
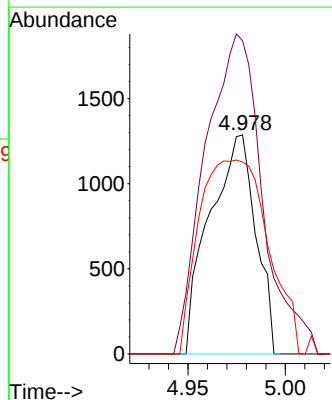
Manual Integrations
APPROVED

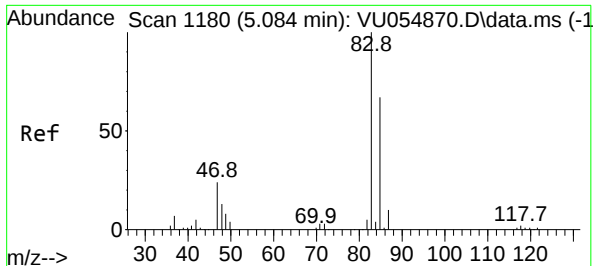
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#26
Bromochloromethane
Concen: 0.796 ug/l
RT: 4.978 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion:128 Resp: 2114
Ion Ratio Lower Upper
128 100
49 181.6 0.0 304.0
130 132.5 104.3 156.5





#27

Chloroform

Concen: 0.944 ug/l

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 83 Resp: 11039

Ion Ratio Lower Upper

83 100

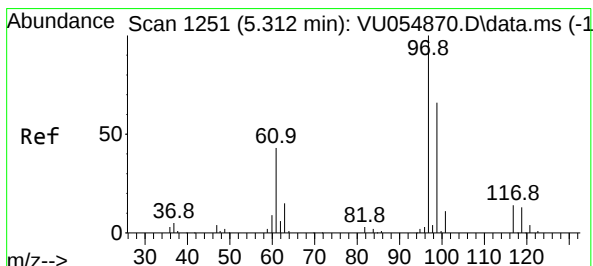
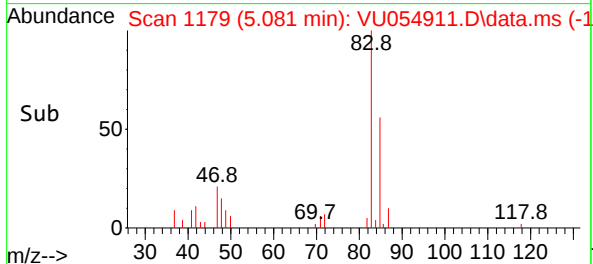
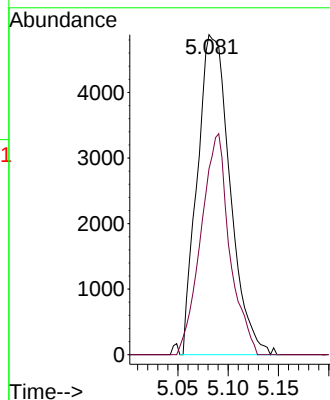
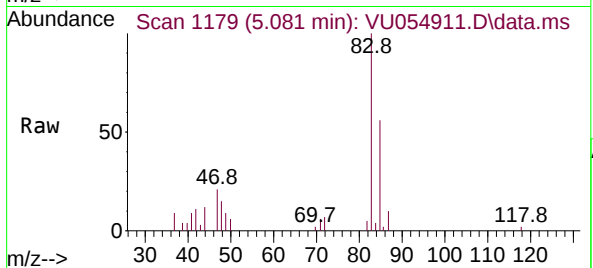
85 58.1 0.0 135.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#28

1,1,1-Trichloroethane

Concen: 0.821 ug/l

RT: 5.316 min Scan# 1252

Delta R.T. 0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

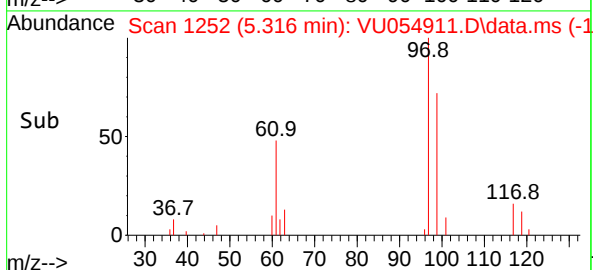
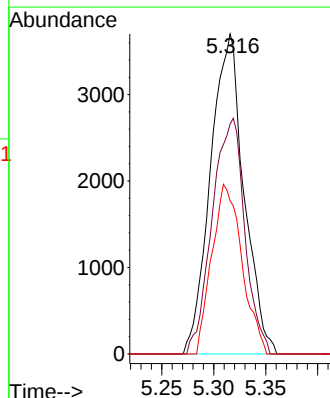
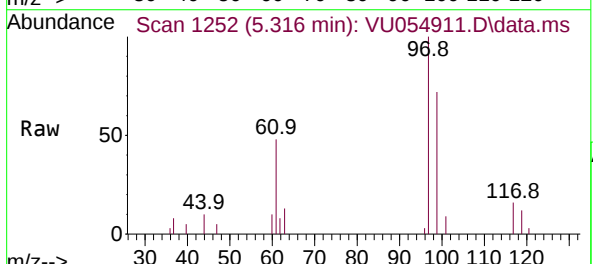
Tgt Ion: 97 Resp: 8294

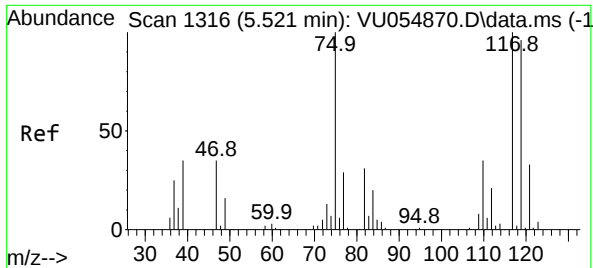
Ion Ratio Lower Upper

97 100

99 71.5 32.0 96.2

61 47.6 21.0 63.0





#29

1,1-Dichloropropene

Concen: 0.828 ug/l

RT: 5.525 min Scan# 1317

Delta R.T. 0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 75 Resp: 6170

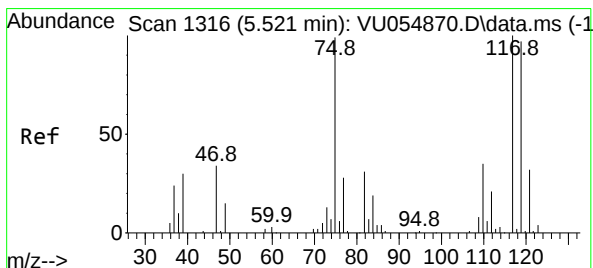
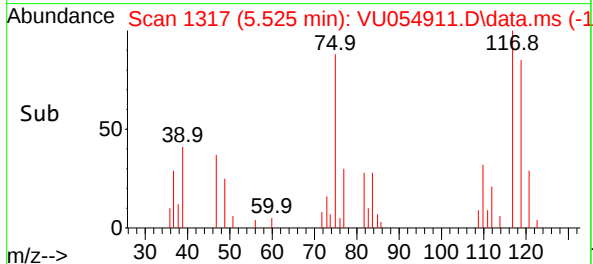
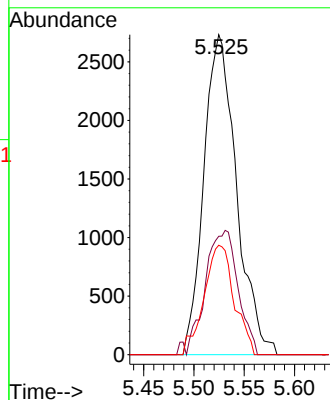
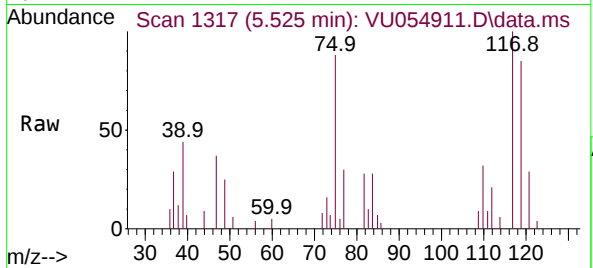
Ion	Ratio	Lower	Upper
75	100		
110	39.3	18.5	55.5
77	31.5	24.9	37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#30

Carbon Tetrachloride

Concen: 0.833 ug/l

RT: 5.521 min Scan# 1316

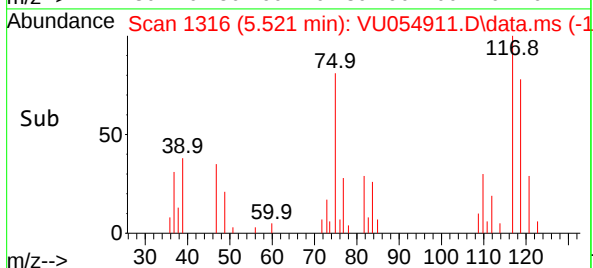
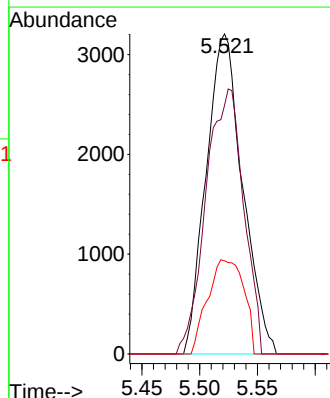
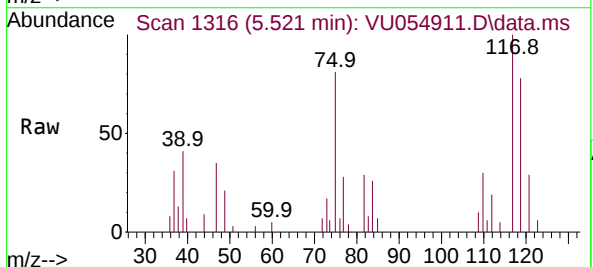
Delta R.T. 0.000 min

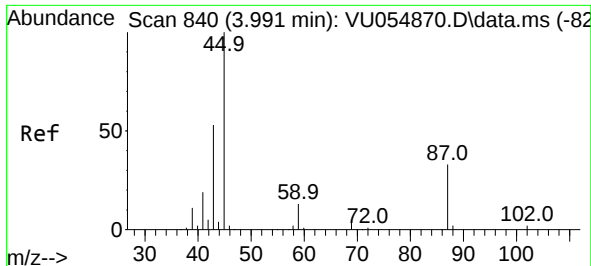
Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Tgt Ion: 117 Resp: 7028

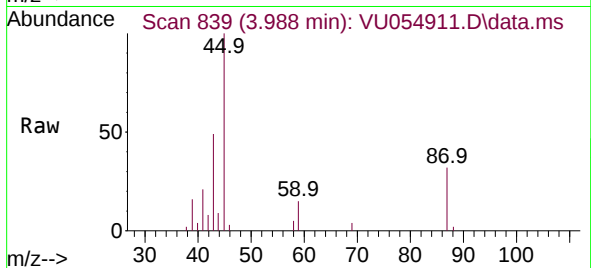
Ion	Ratio	Lower	Upper
117	100		
119	77.7	75.6	113.4
121	29.1	23.4	35.0





#31
Isopropyl Ether
Concen: 0.897 ug/l
RT: 3.988 min Scan# 840
Delta R.T. -0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

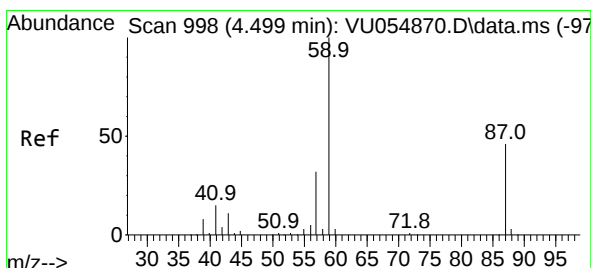
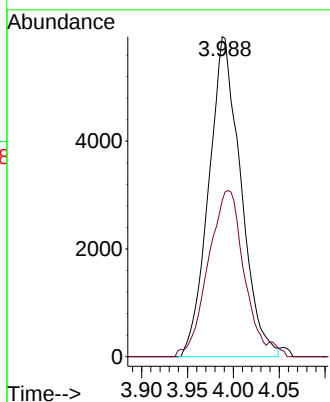
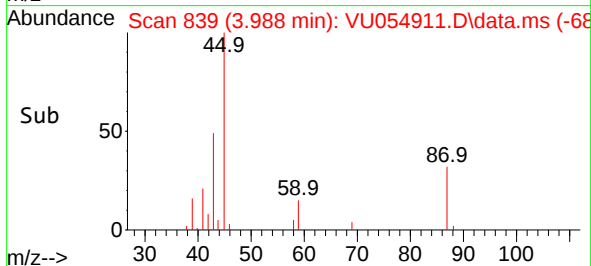
Instrument :
MSVOA_U
Client Sample Id :
RL-CHECK



Tgt Ion: 45 Resp: 14420
Ion Ratio Lower Upper
45 100
43 57.2 26.4 79.2

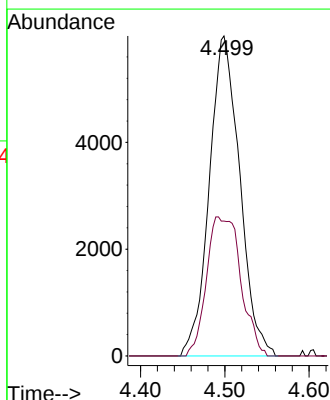
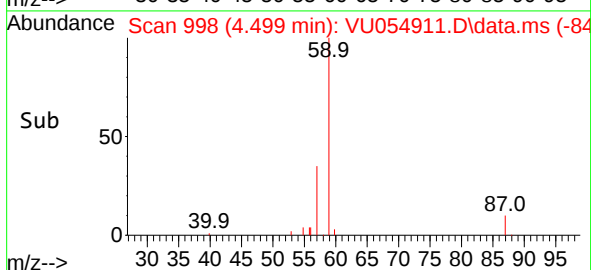
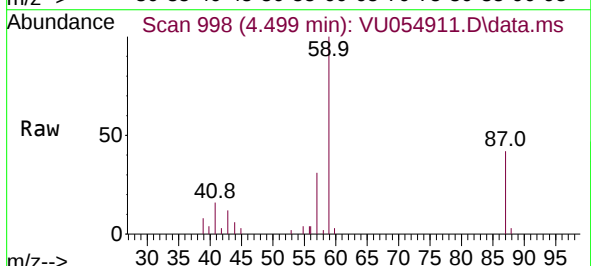
Manual Integrations
APPROVED

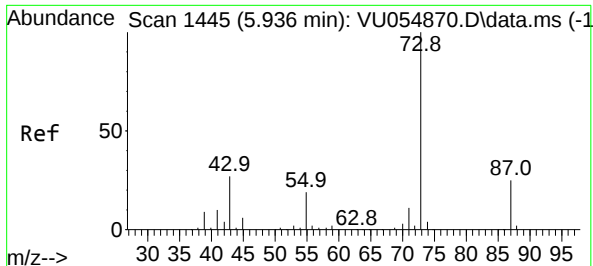
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#32
Ethyl-t-butyl ether
Concen: 0.908 ug/l
RT: 4.499 min Scan# 998
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 59 Resp: 15036
Ion Ratio Lower Upper
59 100
87 48.9 35.7 53.5





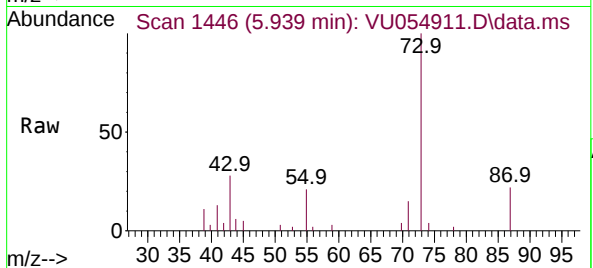
#33
Tert-Amyl methyl ether
Concen: 0.912 ug/l
RT: 5.939 min Scan# 1445
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



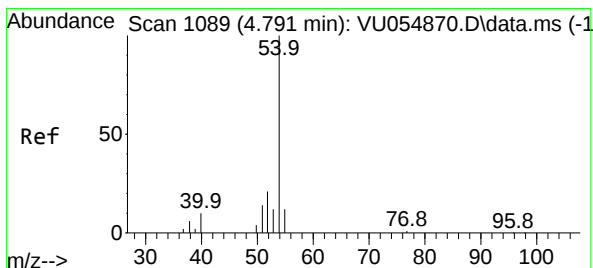
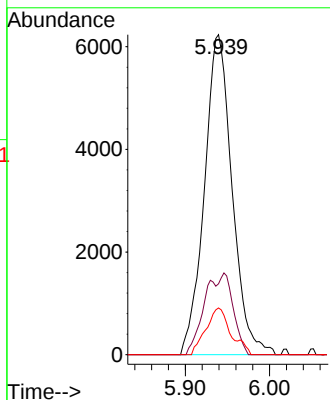
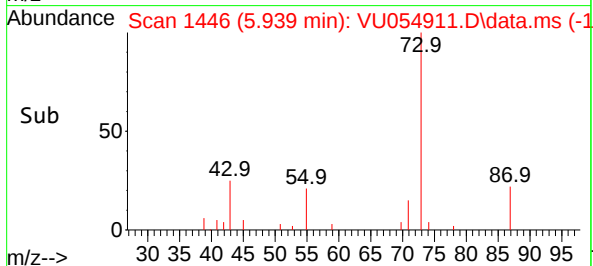
Tgt Ion: 73 Resp: 1427
Ion Ratio Lower Upper
73 100
87 12.4 19.6 29.4#
71 13.0 9.1 13.7

Manual Integrations

APPROVED

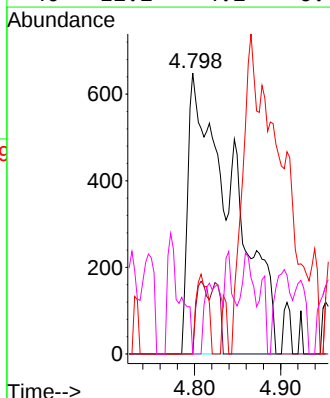
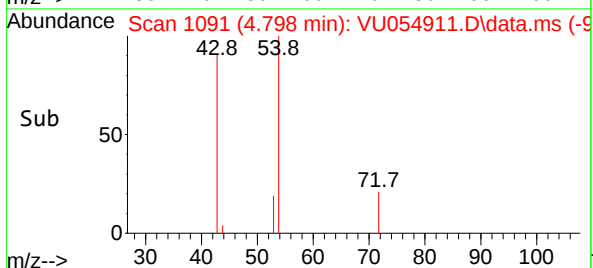
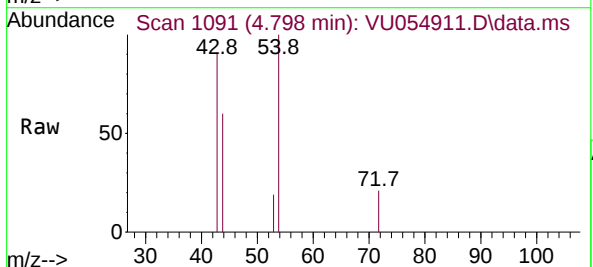
Reviewed By :John Carlone 07/31/2023

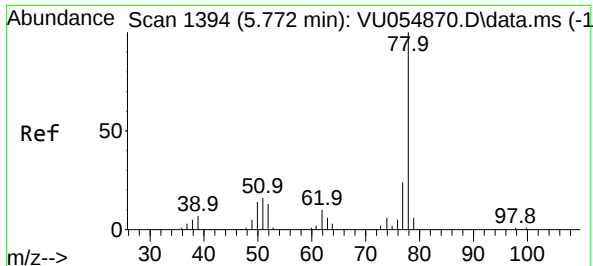
Supervised By :Mahesh Dadoda 07/31/2023



#34
Propionitrile
Concen: 5.664 ug/l m
RT: 4.798 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 54 Resp: 2312
Ion Ratio Lower Upper
54 100
52 7.1 13.8 20.8#
55 7.5 4.8 7.2#
40 12.2 4.2 6.4#





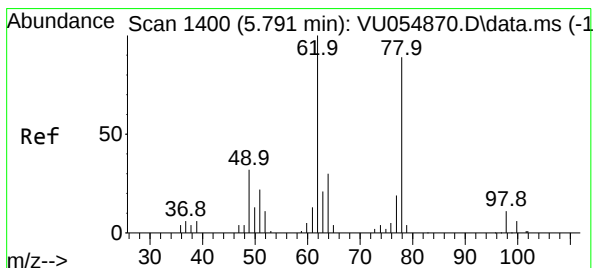
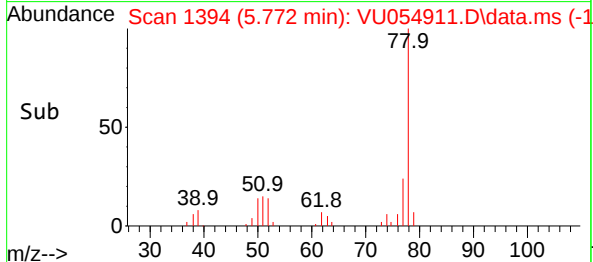
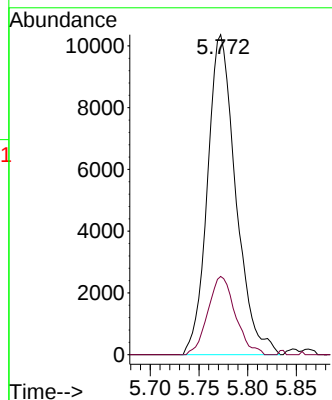
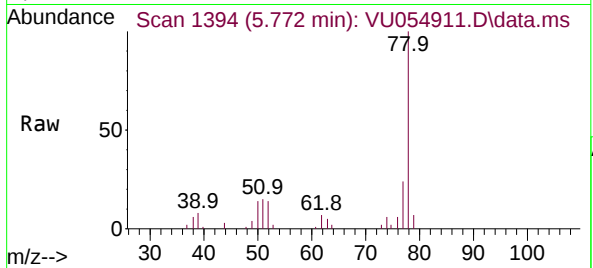
#35
Benzene
Concen: 0.898 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 78 Resp: 2095
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.2

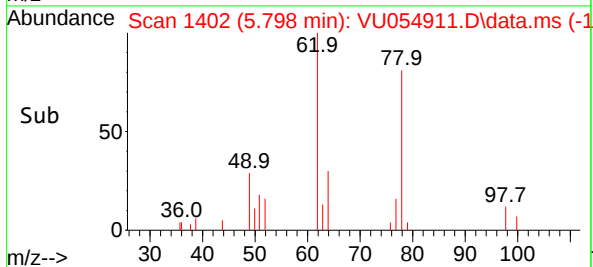
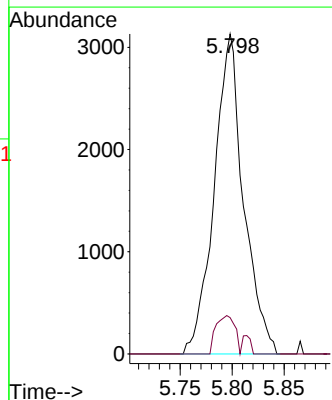
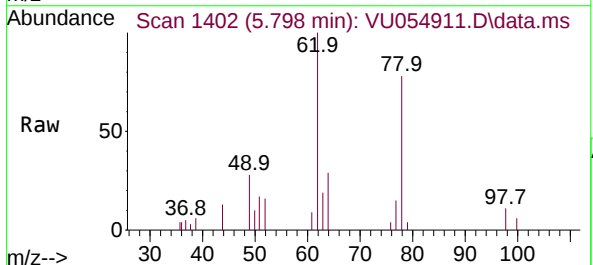
Manual Integrations
APPROVED

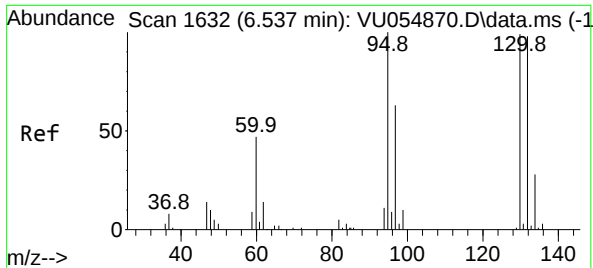
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#36
1,2-Dichloroethane
Concen: 0.927 ug/l
RT: 5.798 min Scan# 1402
Delta R.T. 0.007 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

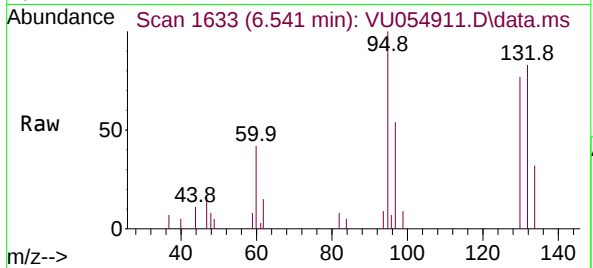
Tgt Ion: 62 Resp: 6155
Ion Ratio Lower Upper
62 100
98 7.7 7.8 11.8#





#37
Trichloroethene
Concen: 0.857 ug/l
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

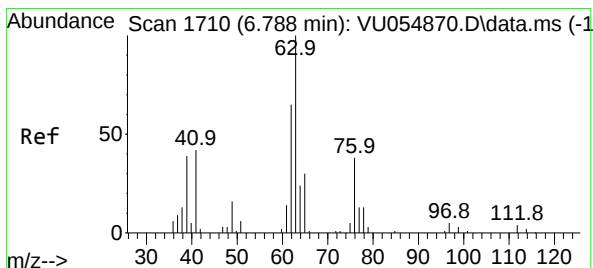
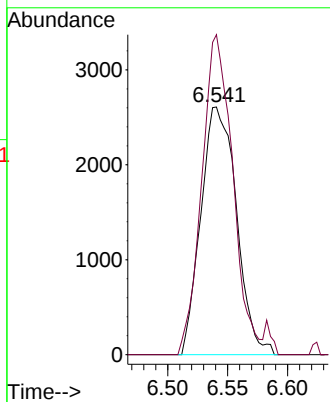
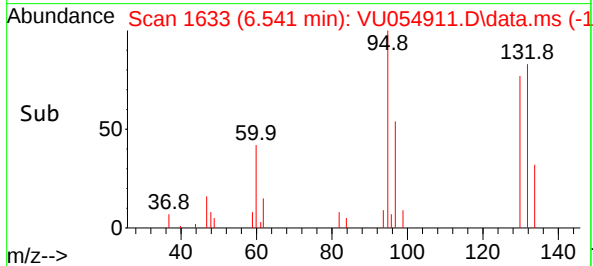
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:130 Resp: 5379
Ion Ratio Lower Upper
130 100
95 129.2 76.8 115.2

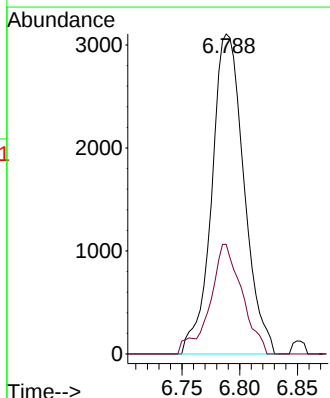
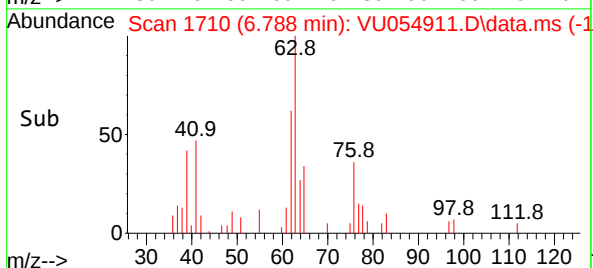
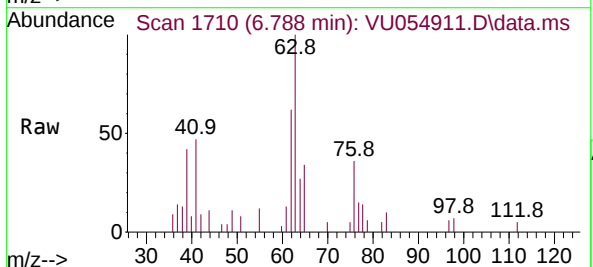
Manual Integrations
APPROVED

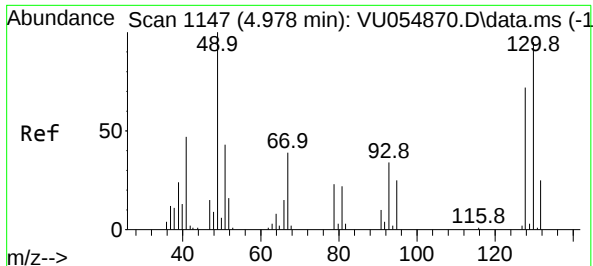
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#38
1,2-Dichloropropane
Concen: 0.913 ug/l
RT: 6.788 min Scan# 1710
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 63 Resp: 6023
Ion Ratio Lower Upper
63 100
65 34.2 24.3 36.5





#39

Methacrylonitrile

Concen: 0.878 ug/l

RT: 4.991 min Scan# 1151

Delta R.T. 0.013 min

Lab File: VU054911.D

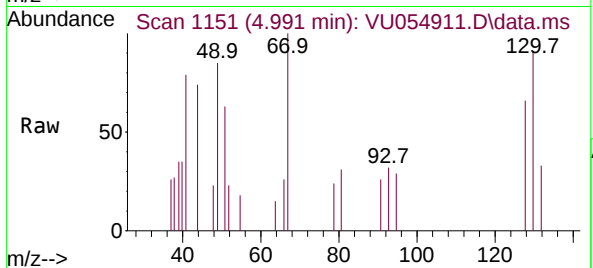
Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



Tgt Ion: 41 Resp: 143

Ion Ratio Lower Upper

41 100

67 83.8 77.0 115.4

39 29.9 50.4 75.6

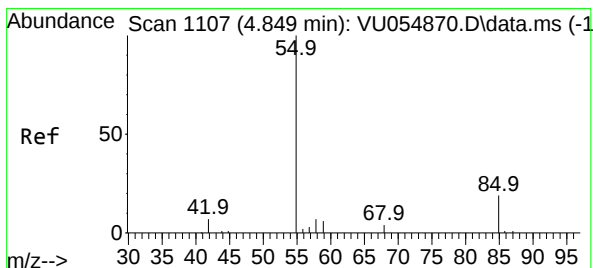
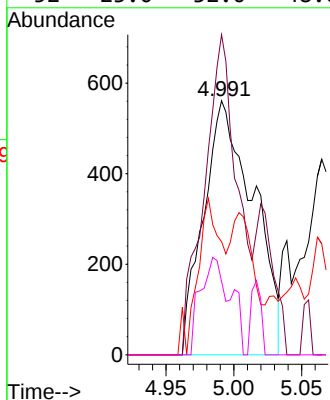
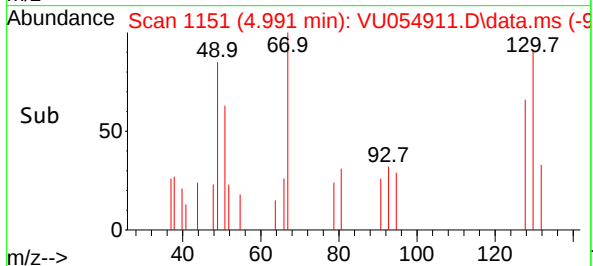
52 23.0 32.0 48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#40

Methyl acrylate

Concen: 0.927 ug/l m

RT: 4.865 min Scan# 1112

Delta R.T. 0.016 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Tgt Ion: 55 Resp: 2413

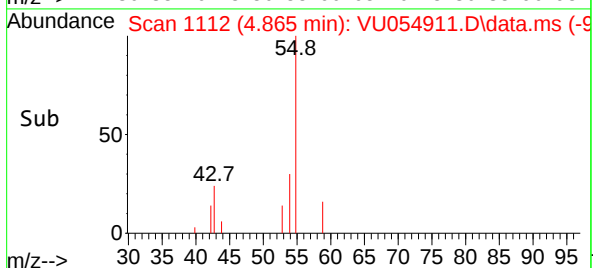
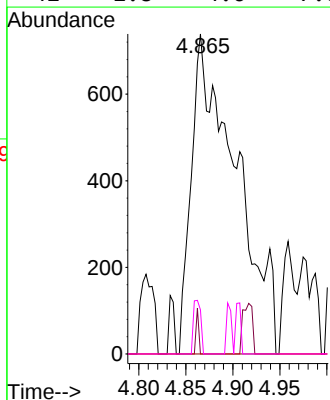
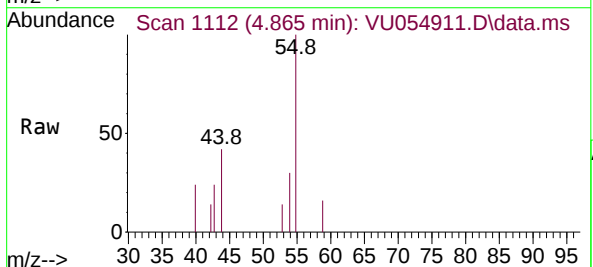
Ion Ratio Lower Upper

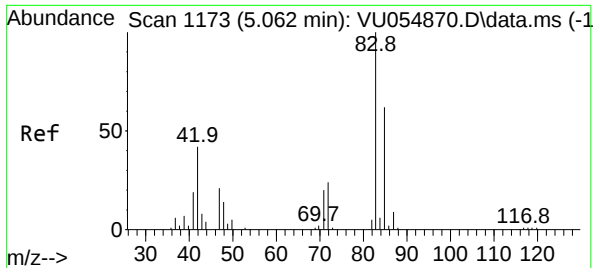
55 100

85 0.0 13.0 19.6#

58 0.0 5.7 8.5#

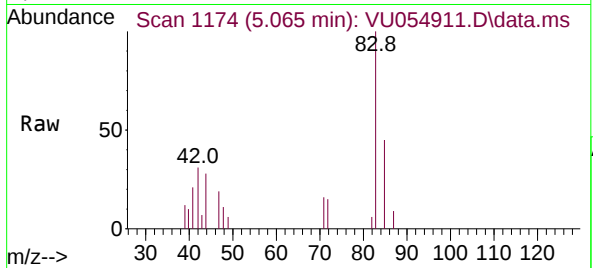
42 2.8 4.6 7.0#





#41
Tetrahydrofuran
Concen: 2.159 ug/l m
RT: 5.065 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

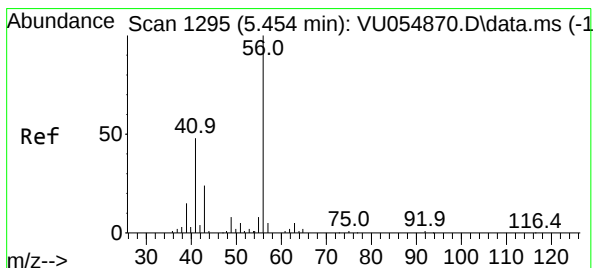
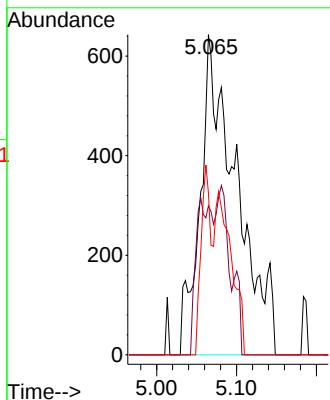
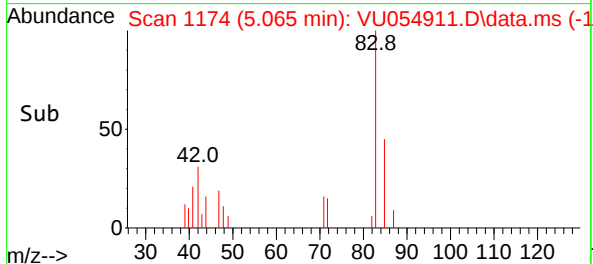
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 42 Resp: 2020
Ion Ratio Lower Upper
42 100
72 14.2 42.1 63.1
71 17.1 39.7 59.5

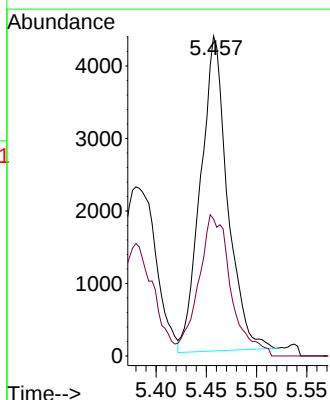
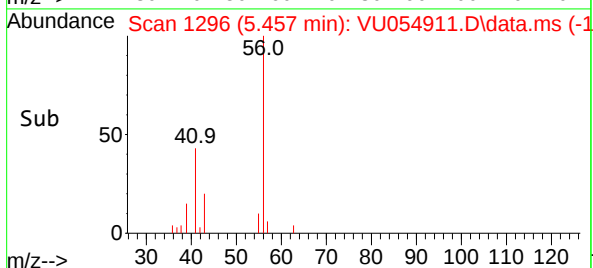
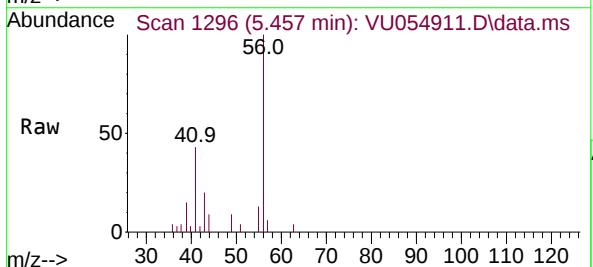
Manual Integrations
APPROVED

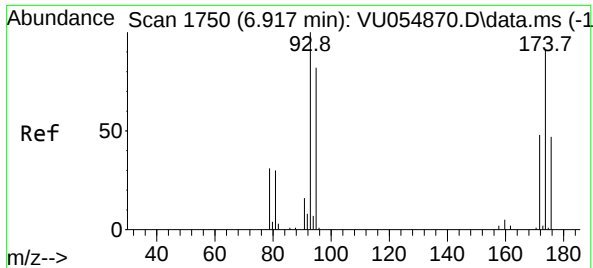
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#42
1-Chlorobutane
Concen: 0.832 ug/l
RT: 5.457 min Scan# 1296
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

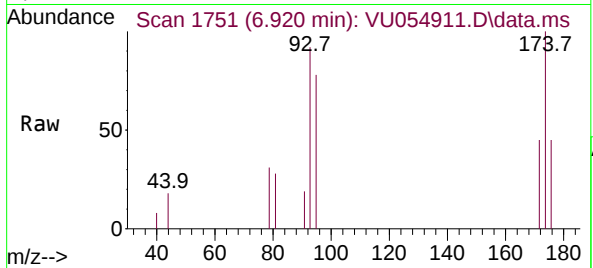
Tgt Ion: 56 Resp: 8116
Ion Ratio Lower Upper
56 100
41 53.9 23.9 71.7





#43
Dibromomethane
Concen: 0.932 ug/l
RT: 6.920 min Scan# 1751
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

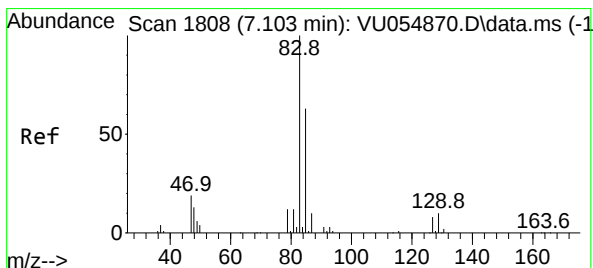
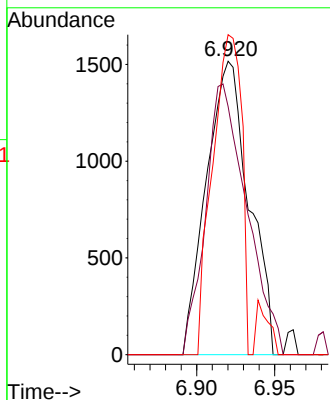
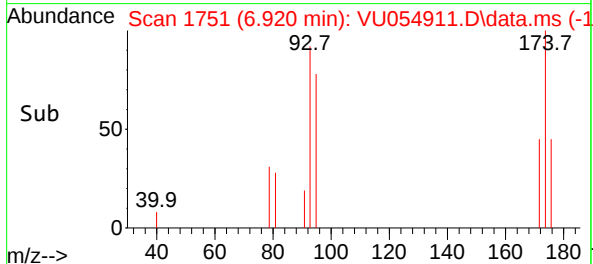
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 93 Resp: 288
Ion Ratio Lower Upper
93 100
95 88.7 64.7 97.1
174 74.0 74.4 111.6

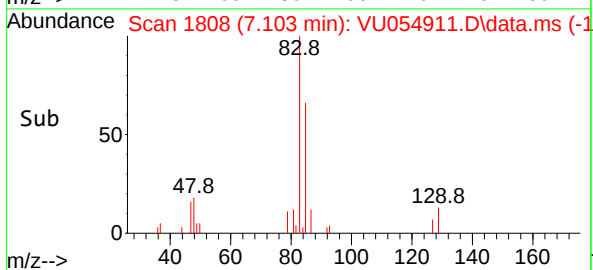
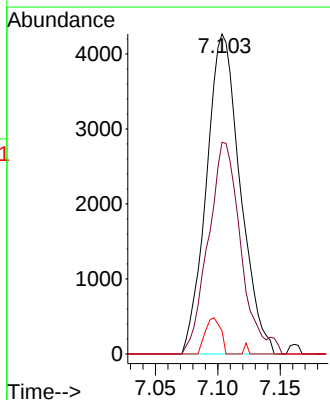
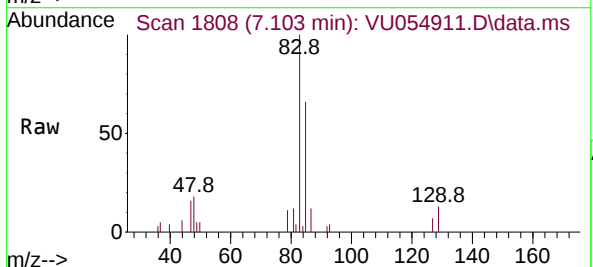
Manual Integrations
APPROVED

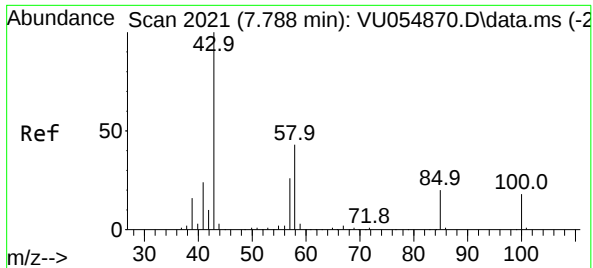
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#44
Bromodichloromethane
Concen: 0.930 ug/l
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 83 Resp: 8033
Ion Ratio Lower Upper
83 100
85 66.2 52.2 78.2
127 7.2 6.1 9.1





#45

4-Methyl-2-Pentanone

Concen: 4.491 ug/l

RT: 7.791 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 43 Resp: 16240

Ion Ratio Lower Upper

43 100

58 45.0 21.3 63.7

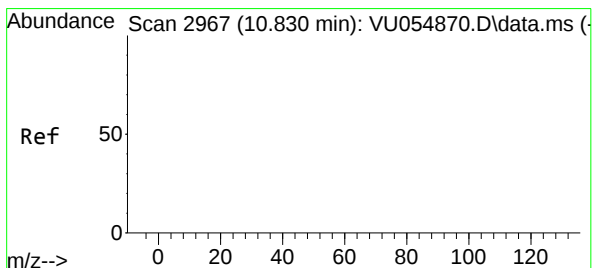
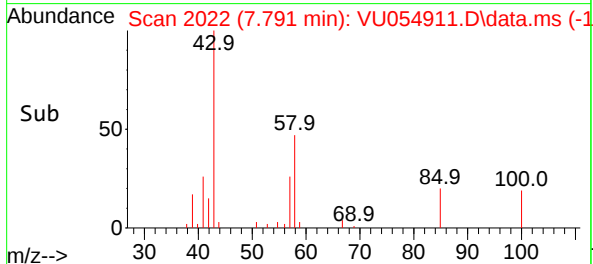
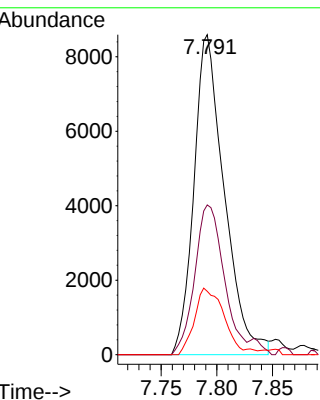
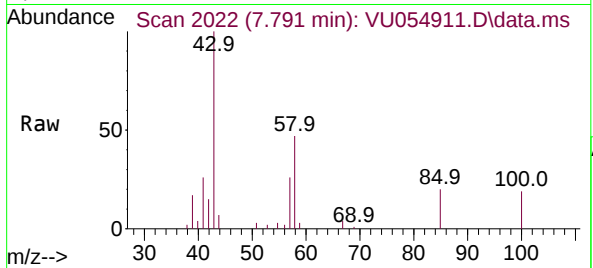
85 20.5 15.3 22.9

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: 1.819 ug/l m

RT: 10.830 min Scan# 2967

Delta R.T. 0.000 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Tgt Ion: 75 Resp: 2647

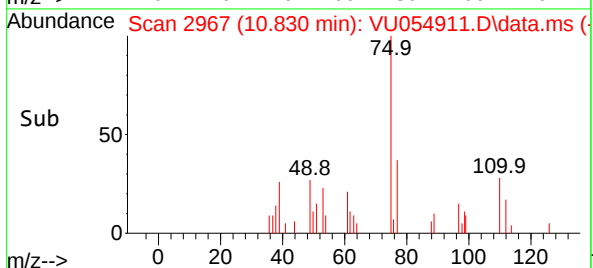
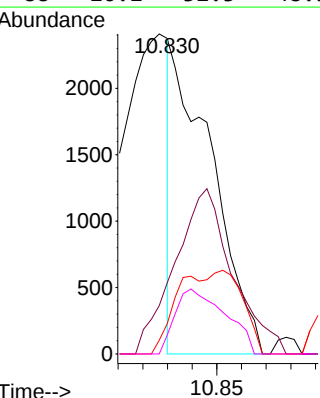
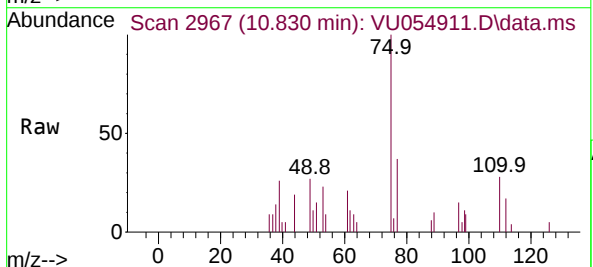
Ion Ratio Lower Upper

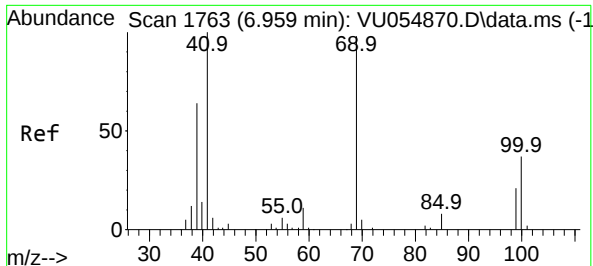
75 100

53 76.5 62.9 94.3

89 18.0 47.8 71.8#

88 26.2 32.3 48.5#





#47

Methyl methacrylate

Concen: 1.813 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.003 min

Lab File: VU054911.D

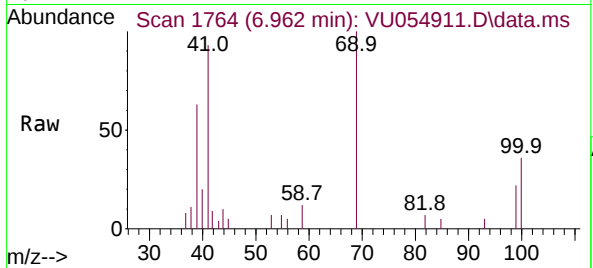
Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



Tgt Ion: 69 Resp: 5130

Ion Ratio Lower Upper

69 100

41 101.2 0.0 193.0

39 67.1 50.4 75.6

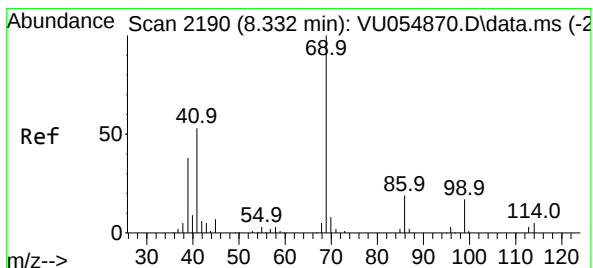
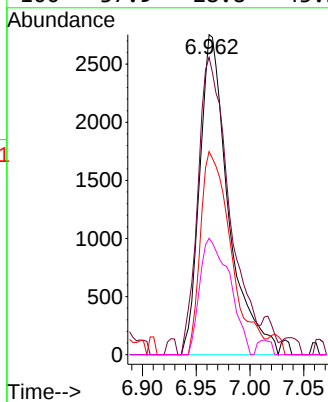
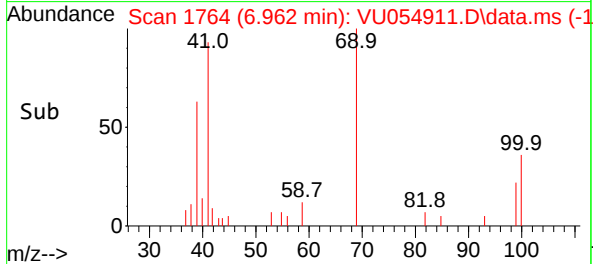
100 37.9 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#48

Ethyl methacrylate

Concen: 0.871 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.003 min

Lab File: VU054911.D

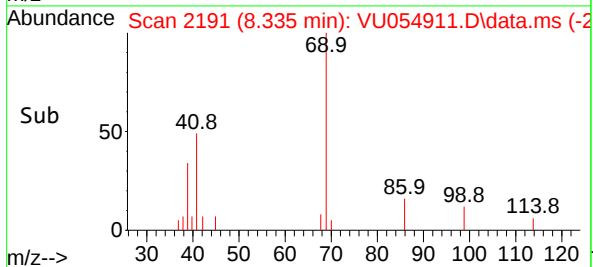
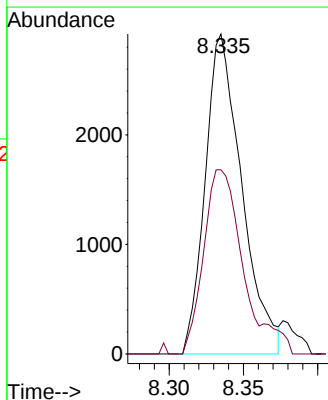
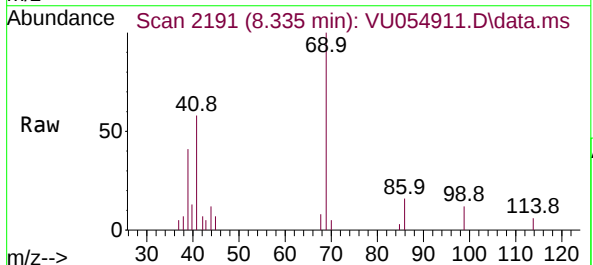
Acq: 28 Jul 2023 15:40

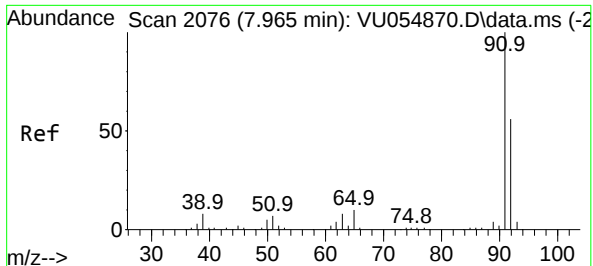
Tgt Ion: 69 Resp: 4991

Ion Ratio Lower Upper

69 100

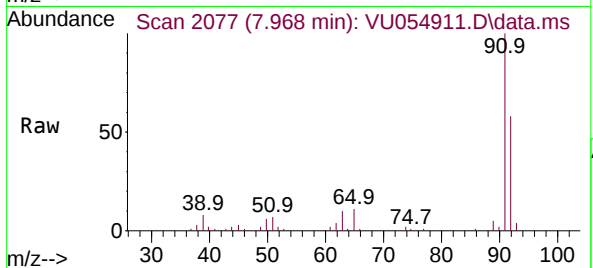
41 62.3 28.8 86.5





#49
Toluene
Concen: 0.905 ug/l
RT: 7.968 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

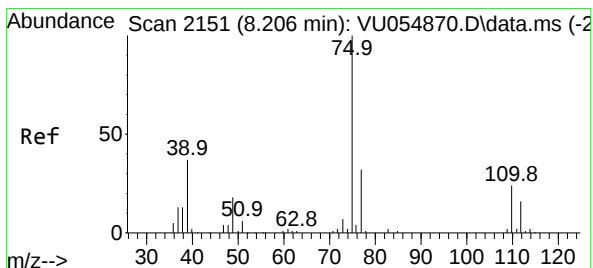
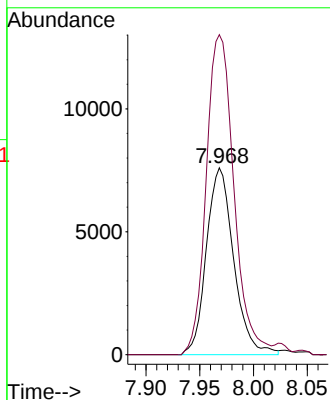
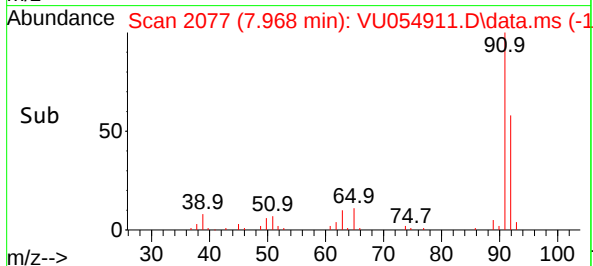
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 92 Resp: 13456
Ion Ratio Lower Upper
92 100
91 173.5 142.9 214.3

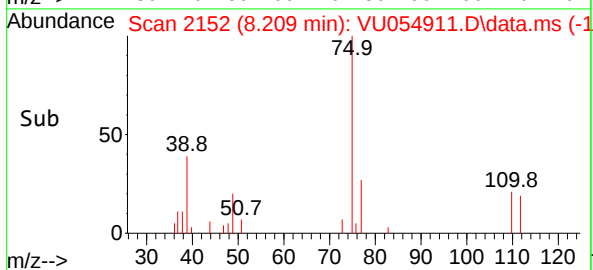
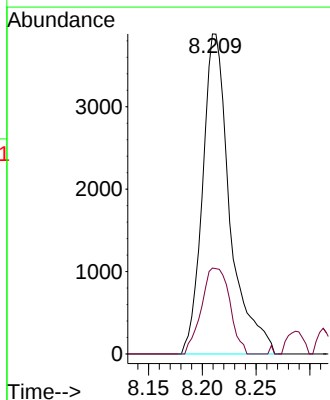
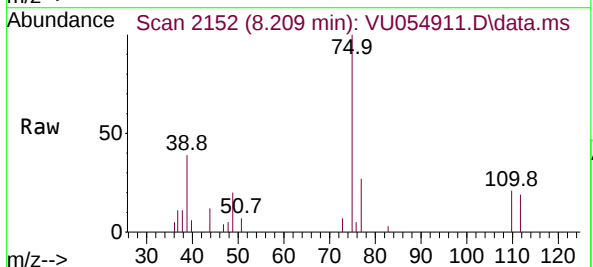
Manual Integrations
APPROVED

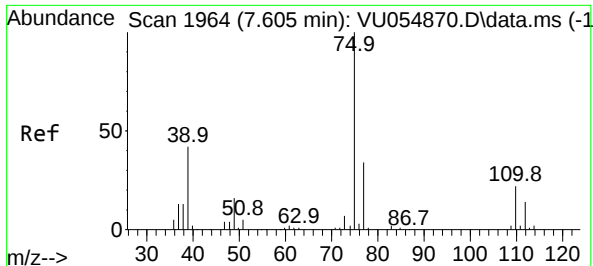
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#50
t-1,3-Dichloropropene
Concen: 0.894 ug/l
RT: 8.209 min Scan# 2152
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion: 75 Resp: 6857
Ion Ratio Lower Upper
75 100
77 26.9 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 0.830 ug/l

RT: 7.608 min Scan# 1964

Delta R.T. 0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

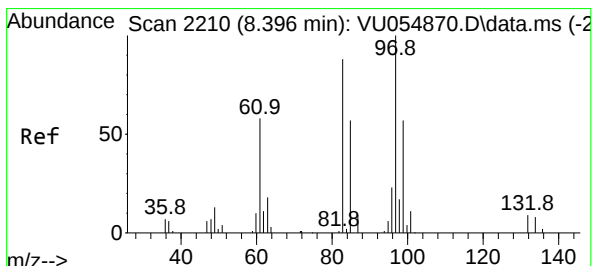
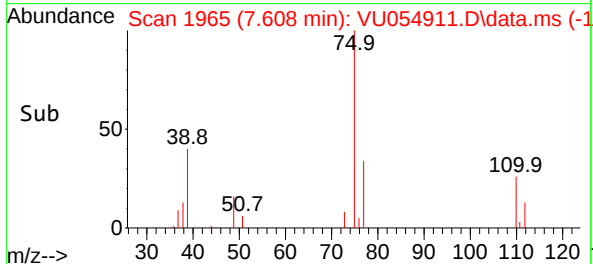
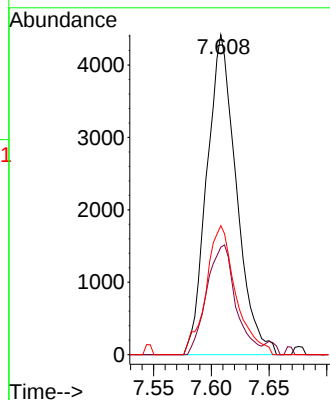
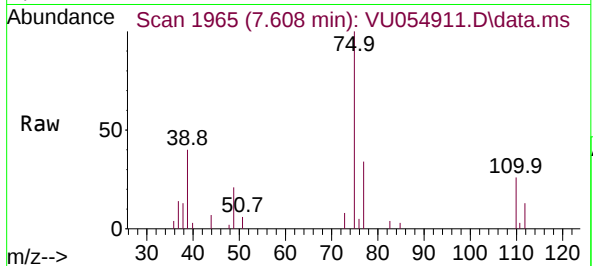
Tgt Ion:	75	Resp:	782
Ion Ratio	Lower	Upper	
75	100		
77	33.6	25.8	38.8
39	37.3	31.7	47.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#52

1,1,2-Trichloroethane

Concen: 0.943 ug/l

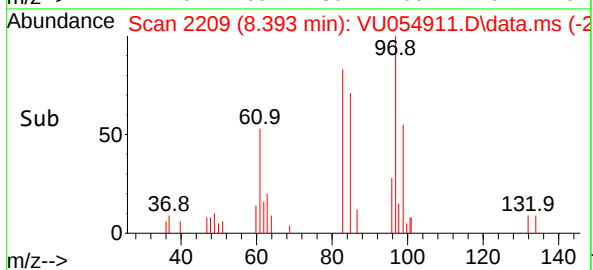
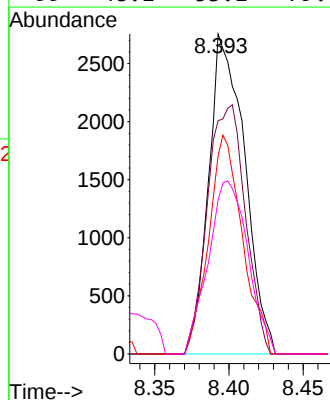
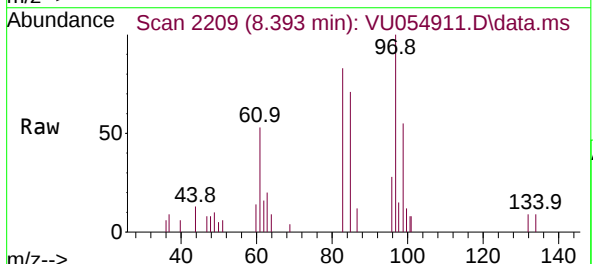
RT: 8.393 min Scan# 2209

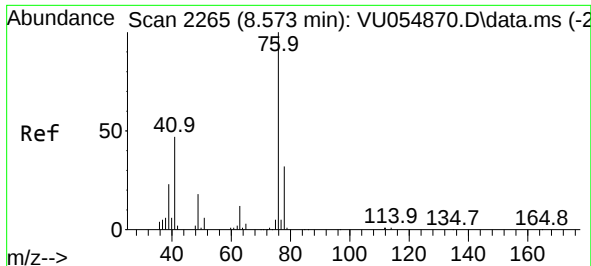
Delta R.T. -0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Tgt Ion:	97	Resp:	4635
Ion Ratio	Lower	Upper	
97	100		
83	72.9	77.4	116.2#
85	61.9	47.8	71.8
99	48.1	53.1	79.7#





#53

1,3-Dichloropropane

Concen: 1.043 ug/l

RT: 8.576 min Scan# 2101

Delta R.T. 0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 76 Resp: 8289

Ion Ratio Lower Upper

76 100

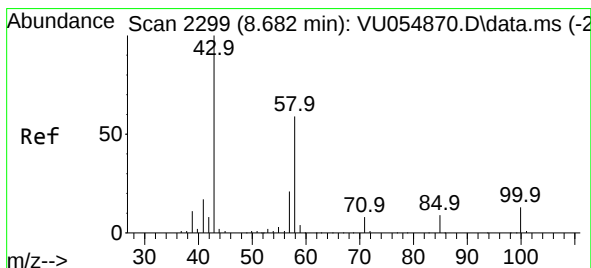
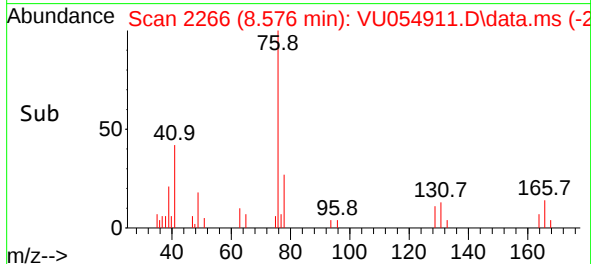
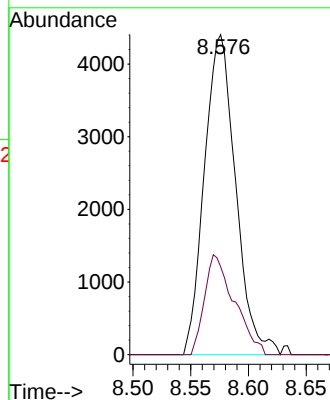
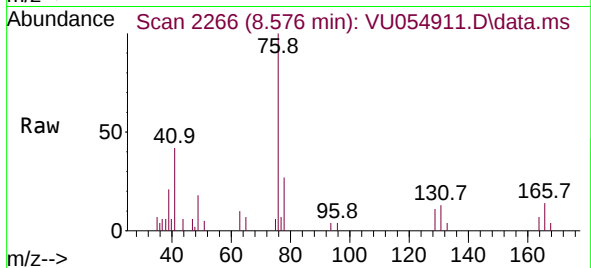
78 29.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#54

2-Hexanone

Concen: 4.689 ug/l

RT: 8.688 min Scan# 2301

Delta R.T. 0.007 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

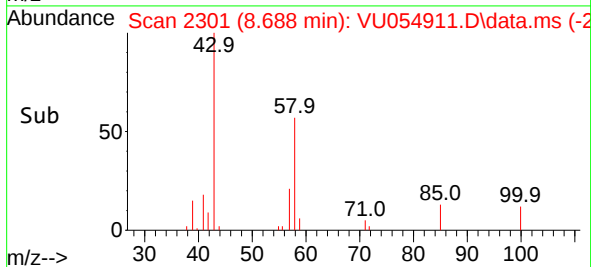
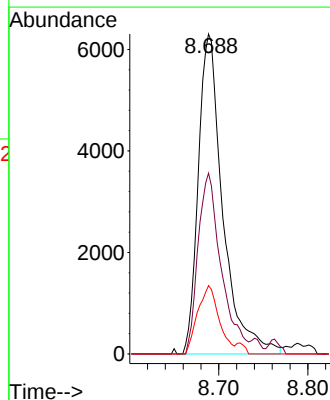
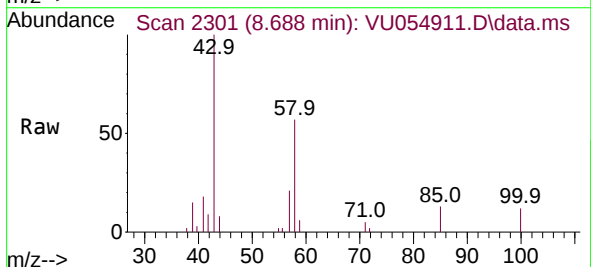
Tgt Ion: 43 Resp: 12048

Ion Ratio Lower Upper

43 100

58 53.4 38.9 78.9

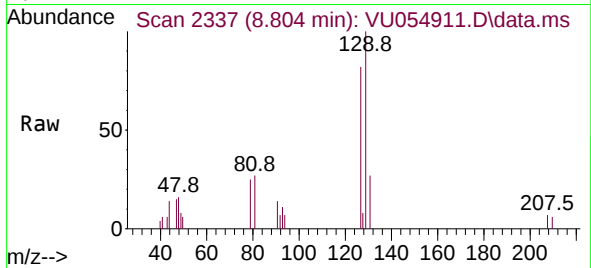
57 18.7 0.0 38.7





#55
Dibromochloromethane
Concen: 0.838 ug/l
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

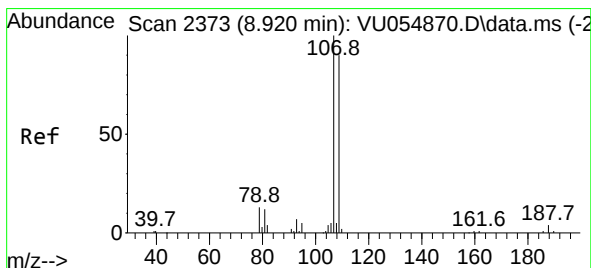
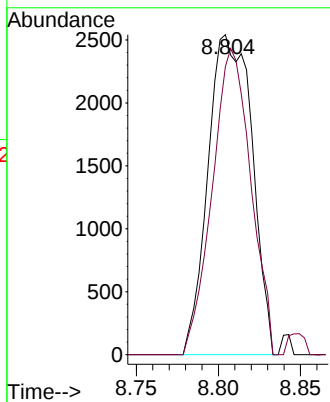
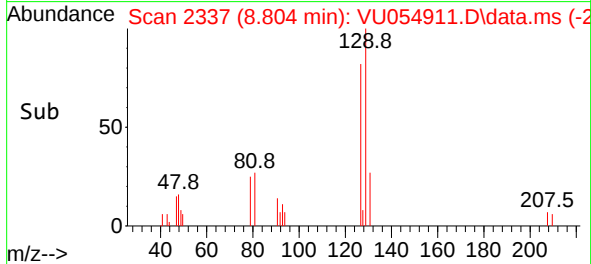
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:129 Resp: 4718
Ion Ratio Lower Upper
129 100
127 84.3 61.4 92.0

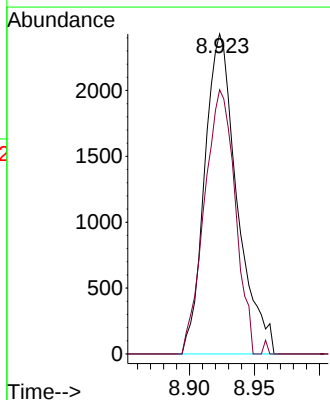
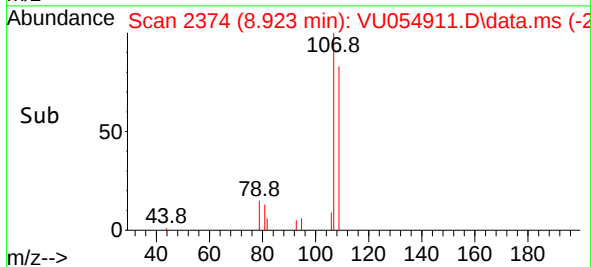
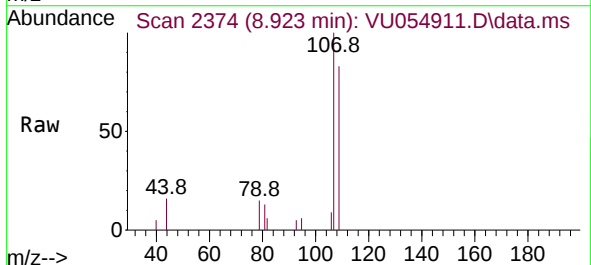
Manual Integrations
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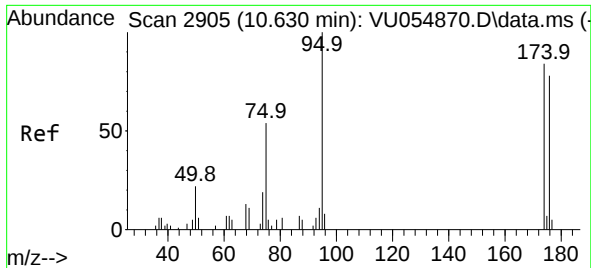
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#56
1,2-Dibromoethane
Concen: 1.011 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

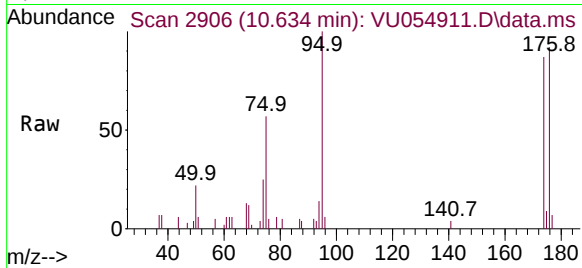
Tgt Ion:107 Resp: 4209
Ion Ratio Lower Upper
107 100
109 78.3 0.0 185.4





#57
4-Bromofluorobenzene
Concen: 1.051 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

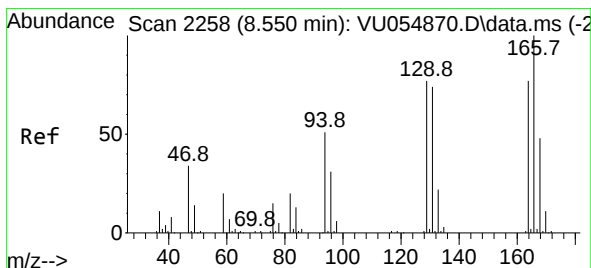
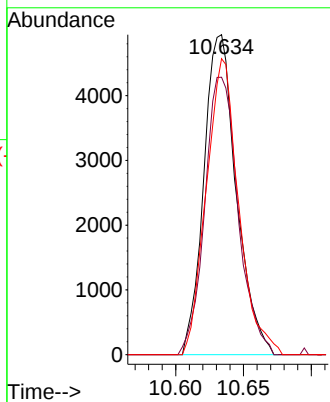
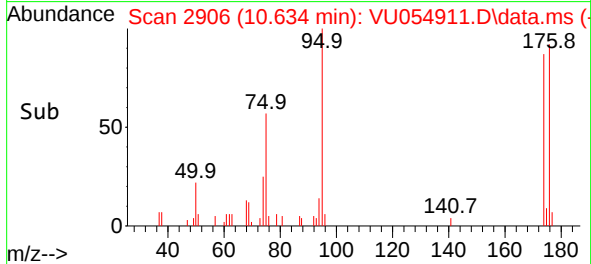
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion: 95 Resp: 825
Ion Ratio Lower Upper
95 100
174 88.8 79.3 118.9
176 91.8 71.5 107.3

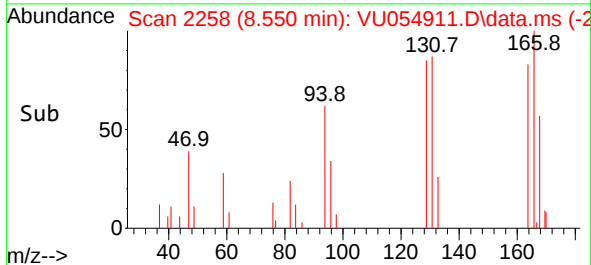
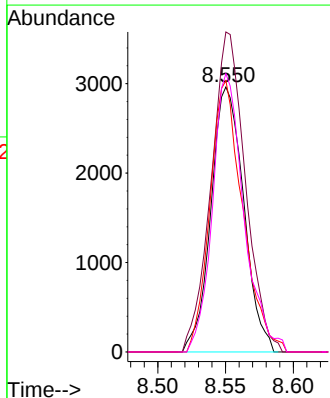
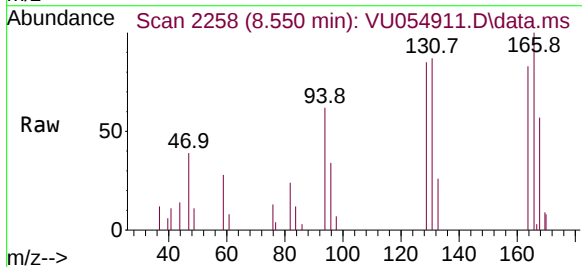
Manual Integrations
APPROVED

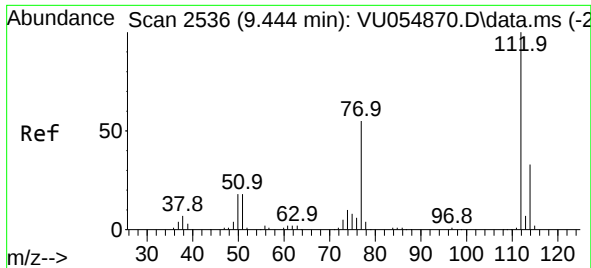
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#58
Tetrachloroethene
Concen: 0.907 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

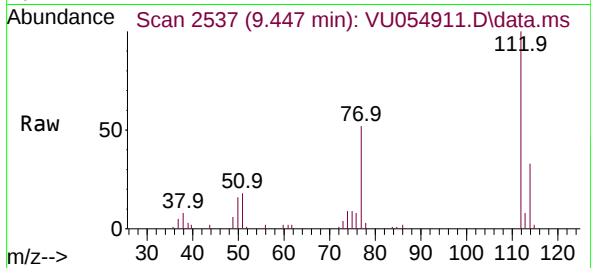
Tgt Ion:164 Resp: 4972
Ion Ratio Lower Upper
164 100
166 120.8 100.4 150.6
129 102.4 71.9 107.9
131 105.1 73.5 110.3





#59
Chlorobenzene
Concen: 0.872 ug/l
RT: 9.447 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

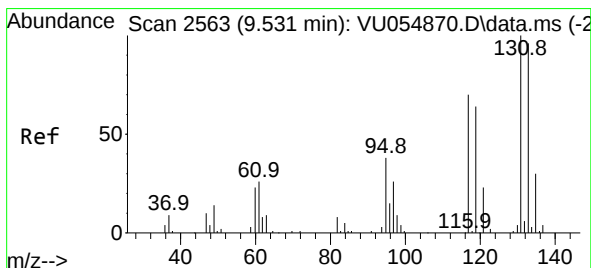
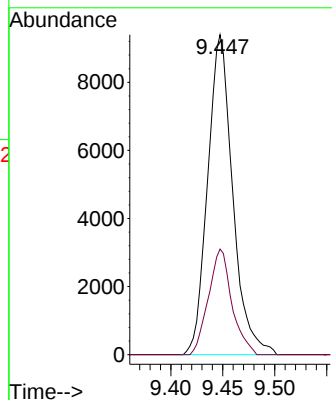
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:112 Resp: 15729
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.6

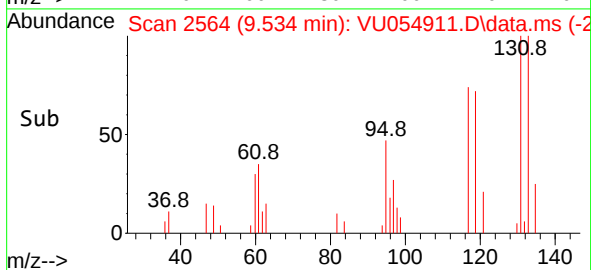
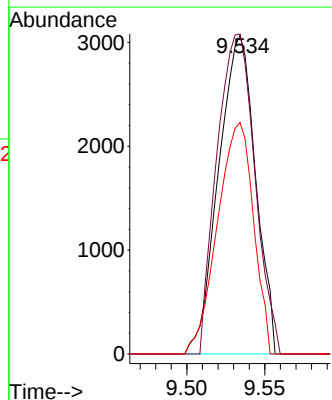
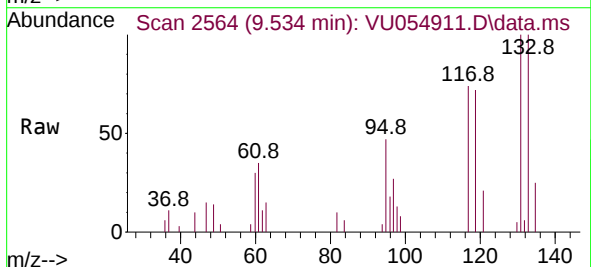
Manual Integrations
APPROVED

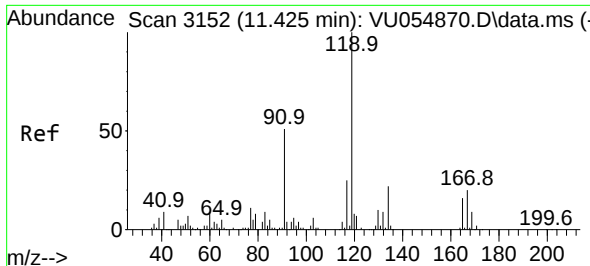
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 0.793 ug/l
RT: 9.534 min Scan# 2564
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

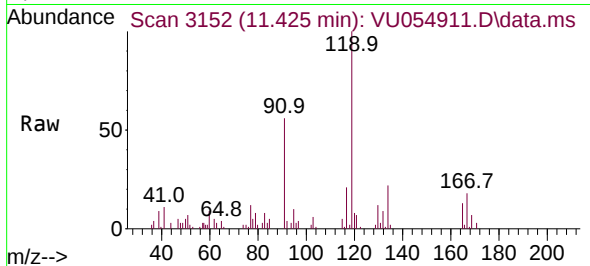
Tgt Ion:131 Resp: 5050
Ion Ratio Lower Upper
131 100
133 103.3 74.2 111.4
119 70.8 51.0 76.4





#61
Pentachloroethane
Concen: 0.766 ug/l
RT: 11.425 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

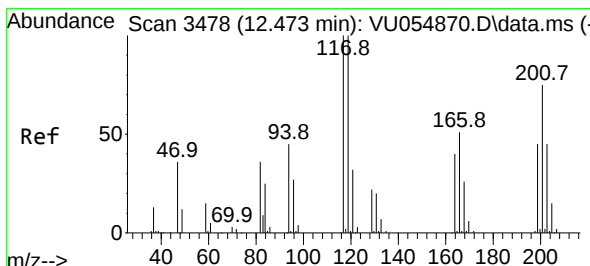
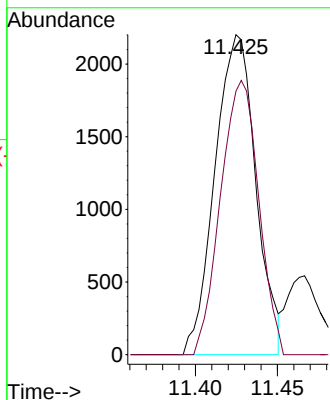
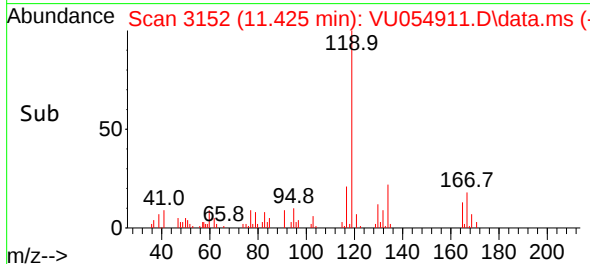
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



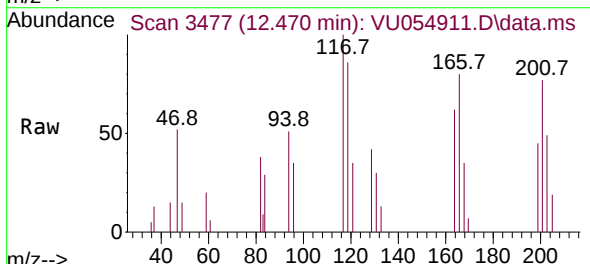
Tgt Ion:117 Resp: 3814
Ion Ratio Lower Upper
117 100
167 79.7 65.3 97.9

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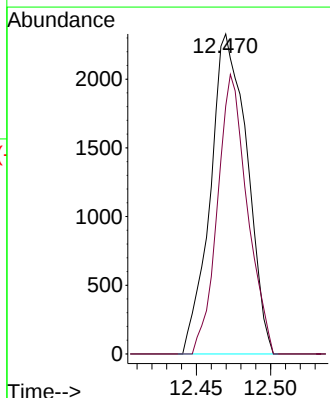
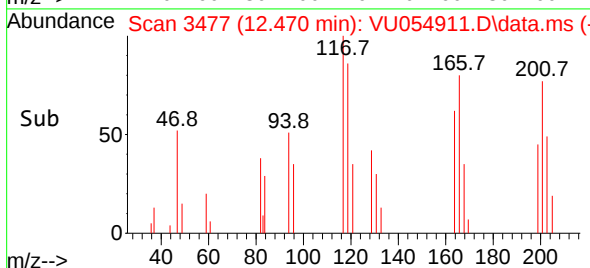
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

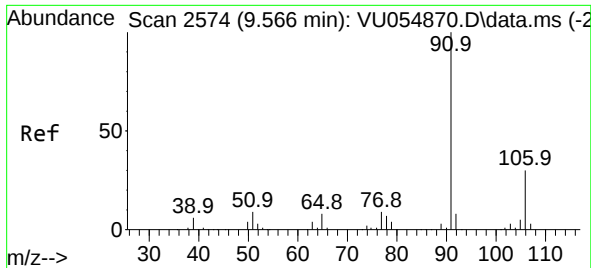


#62
Hexachloroethane
Concen: 0.783 ug/l
RT: 12.470 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40



Tgt Ion:117 Resp: 4009
Ion Ratio Lower Upper
117 100
201 71.0 56.1 84.1





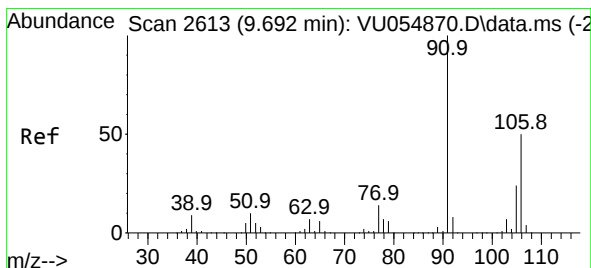
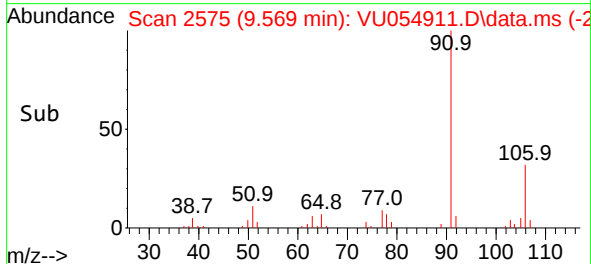
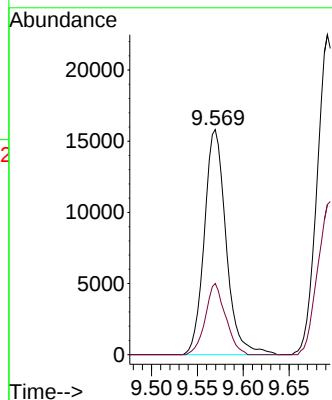
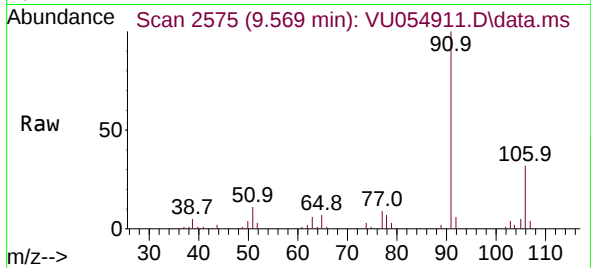
#63
Ethyl Benzene
Concen: 0.862 ug/l
RT: 9.569 min Scan# 2106
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 91 Resp: 26090
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.2

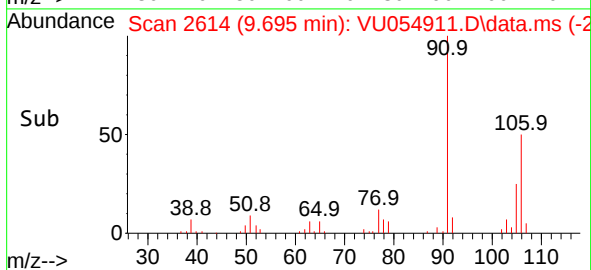
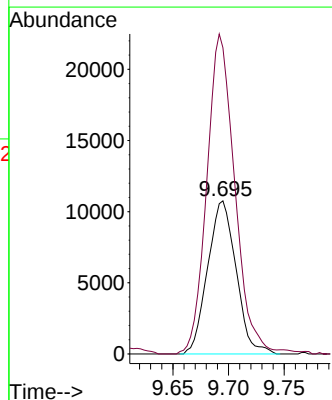
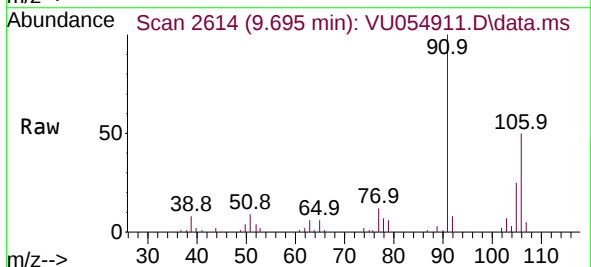
Manual Integrations
APPROVED

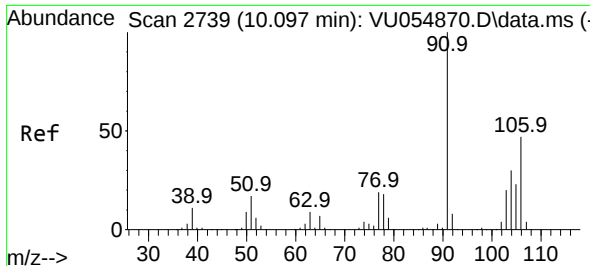
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#64
m/p-Xylenes
Concen: 1.689 ug/l
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion:106 Resp: 19128
Ion Ratio Lower Upper
106 100
91 206.1 158.8 238.2





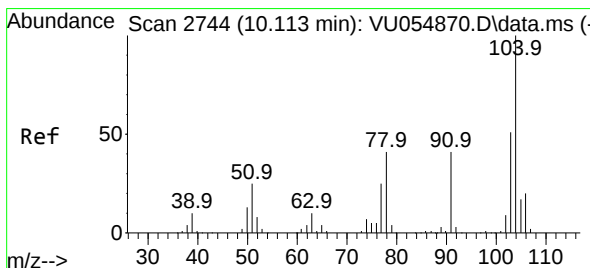
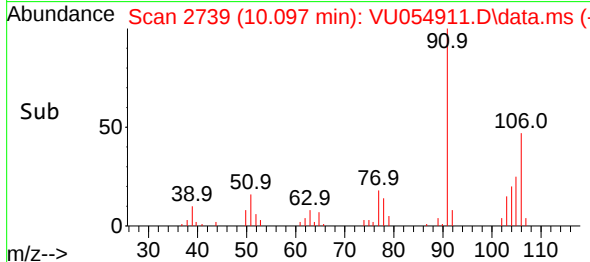
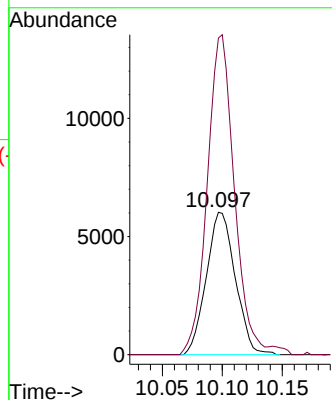
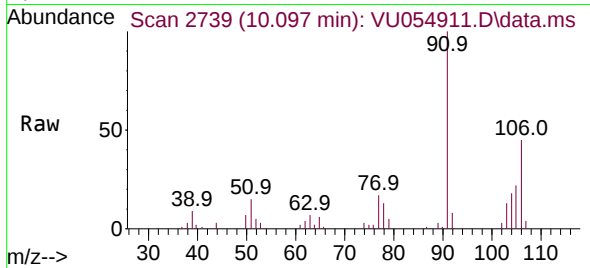
#65
o-Xylene
Concen: 0.871 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:106 Resp: 10138
Ion Ratio Lower Upper
106 100
91 209.1 108.9 326.8

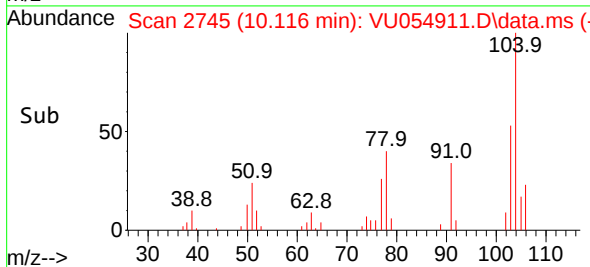
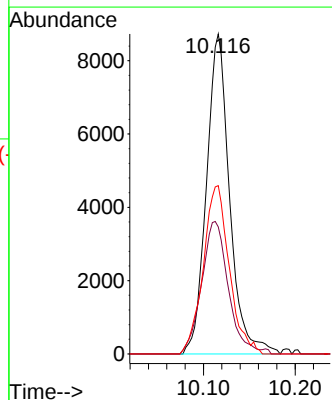
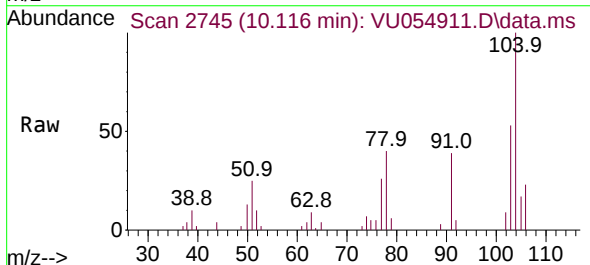
Manual Integrations
APPROVED

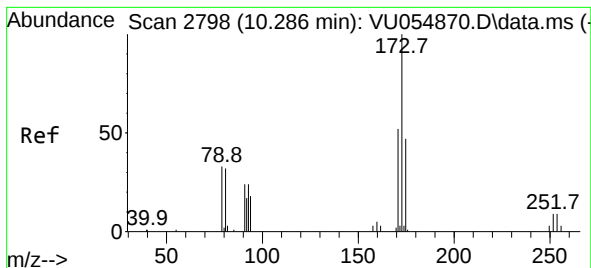
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#66
Styrene
Concen: 0.824 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion:104 Resp: 15337
Ion Ratio Lower Upper
104 100
78 47.3 37.5 56.3
103 59.0 45.2 67.8





#67

Bromoform

Concen: 0.942 ug/l

RT: 10.286 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

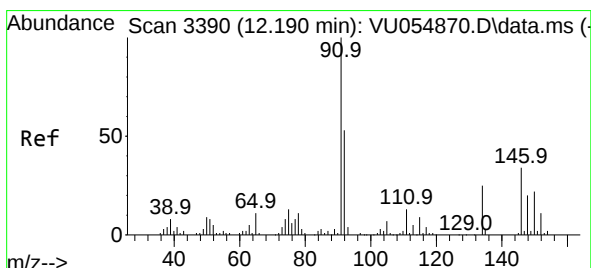
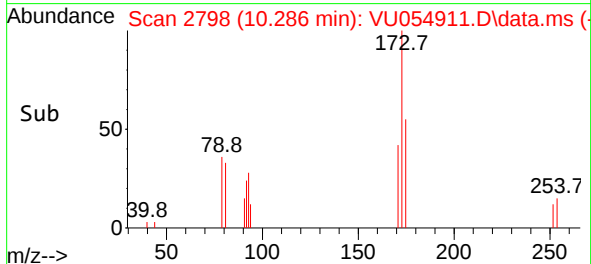
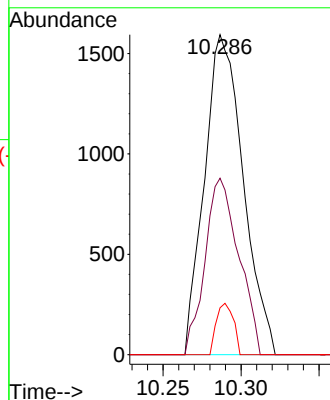
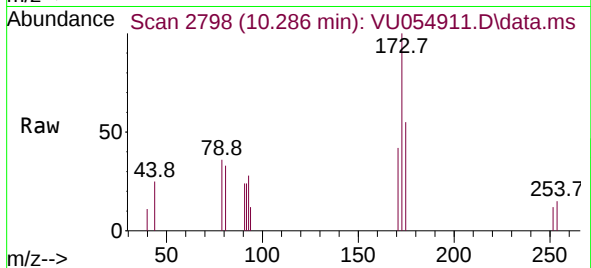
Tgt Ion:	173	Resp:	275
Ion Ratio	Lower	Upper	
173	100		
175	48.0	39.0	58.6
254	7.1	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#68

1,2-Dichlorobenzene-d4

Concen: 1.073 ug/l

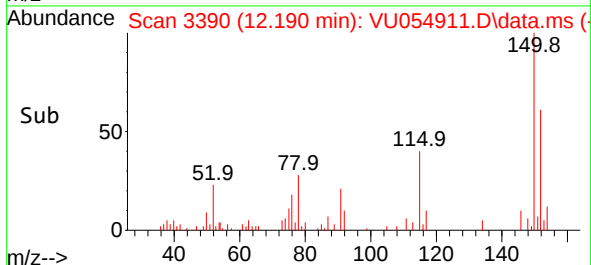
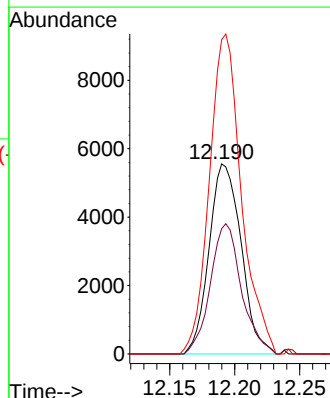
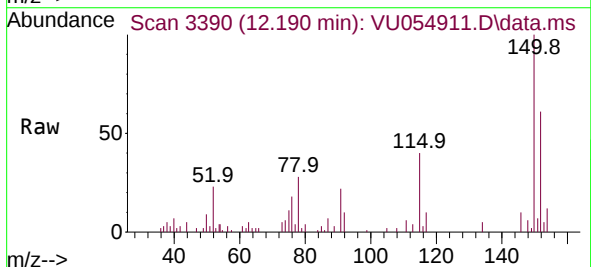
RT: 12.190 min Scan# 3390

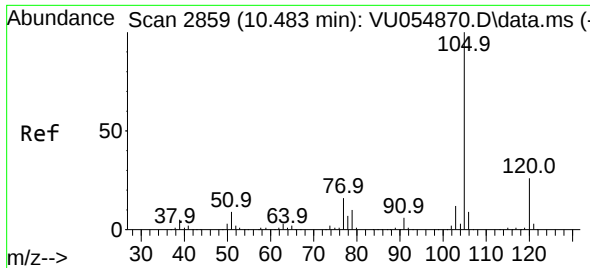
Delta R.T. 0.000 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Tgt Ion:	152	Resp:	9527
Ion Ratio	Lower	Upper	
152	100		
115	66.4	0.0	234.8
150	168.2	0.0	598.2





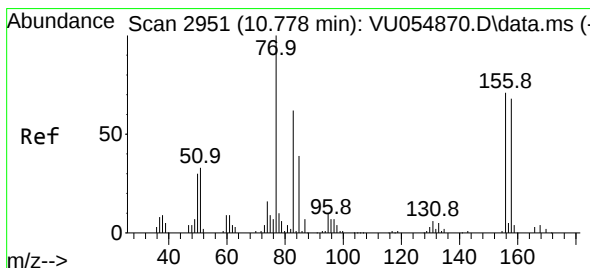
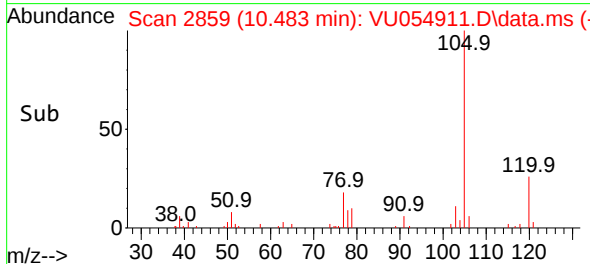
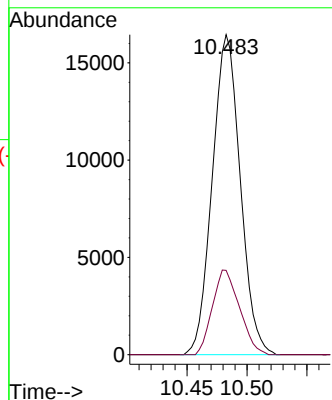
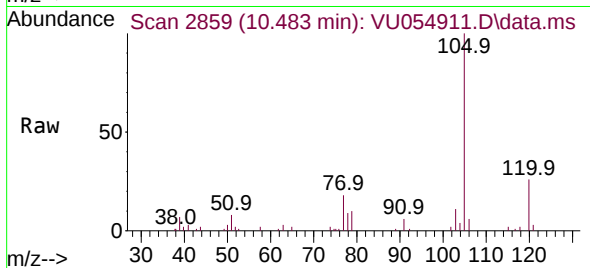
#69
Isopropylbenzene
Concen: 0.853 ug/l
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 105 Resp: 2664
Ion Ratio Lower Upper
105 100
120 25.6 12.6 37.6

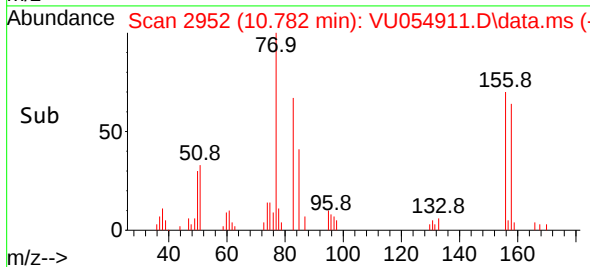
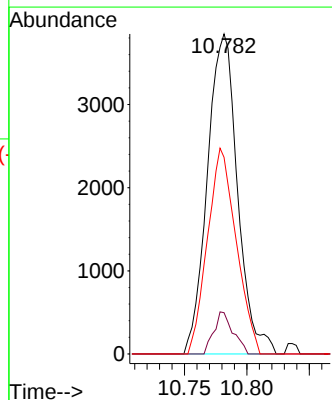
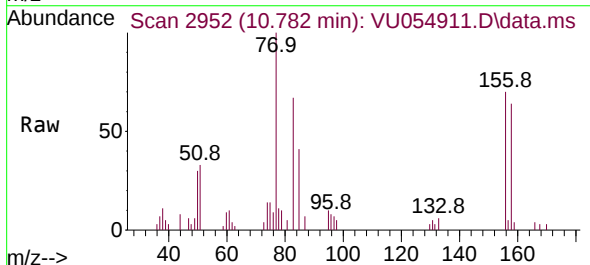
Manual Integrations
APPROVED

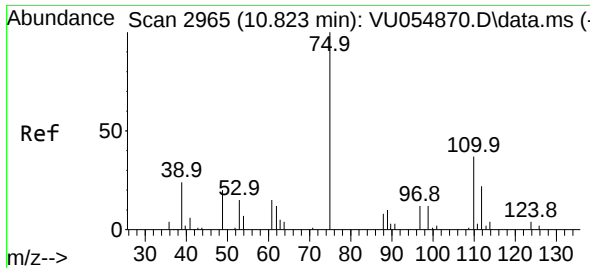
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 1.067 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

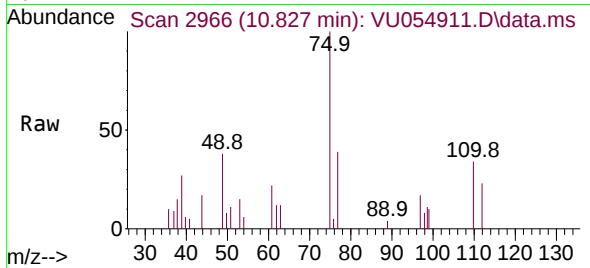
Tgt Ion: 83 Resp: 6489
Ion Ratio Lower Upper
83 100
131 8.4 7.5 11.3
85 61.1 53.0 79.6





#71
1,2,3-Trichloropropane
Concen: 1.049 ug/l m
RT: 10.827 min Scan# 2965
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

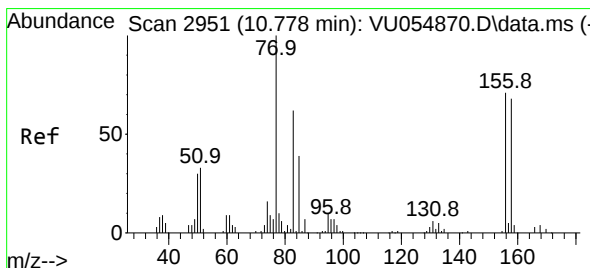
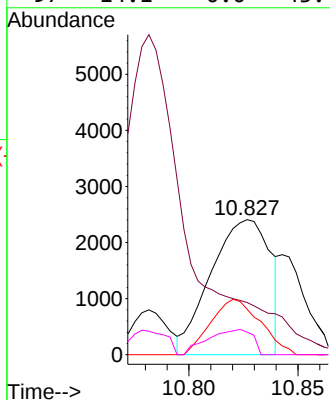
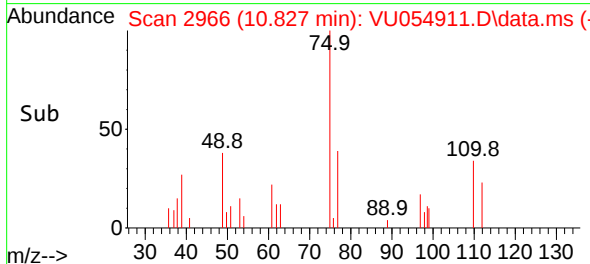
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



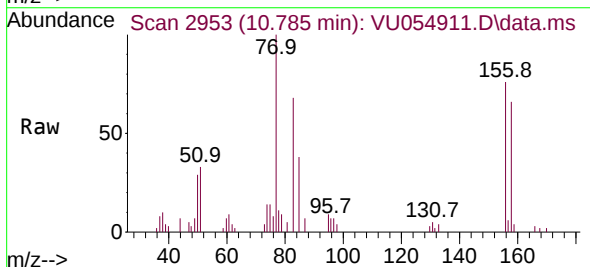
Tgt Ion: 75 Resp: 4540
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 34.4 0.0 80.8
97 14.1 0.0 43.4

Manual Integrations
APPROVED

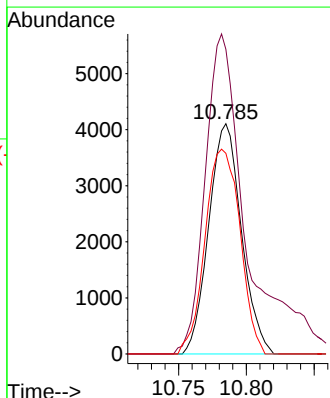
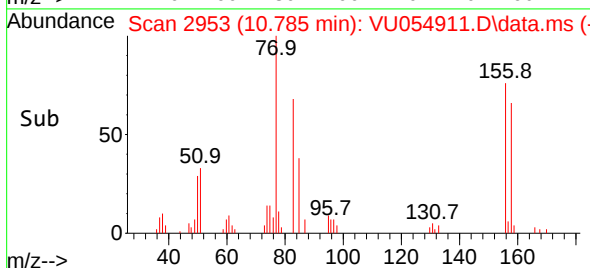
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

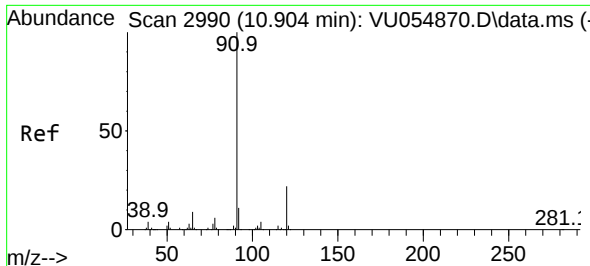


#72
Bromobenzene
Concen: 0.987 ug/l
RT: 10.785 min Scan# 2953
Delta R.T. 0.007 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40



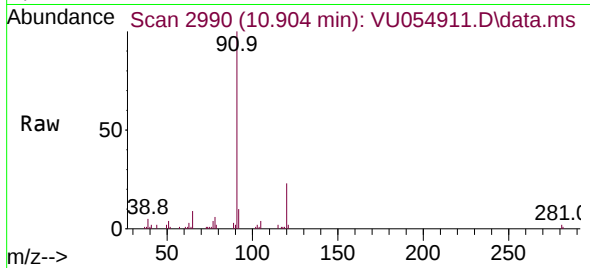
Tgt Ion:156 Resp: 6867
Ion Ratio Lower Upper
156 100
77 176.7 0.0 293.2
158 95.4 0.0 189.8





#73
n-propylbenzene
Concen: 0.808 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

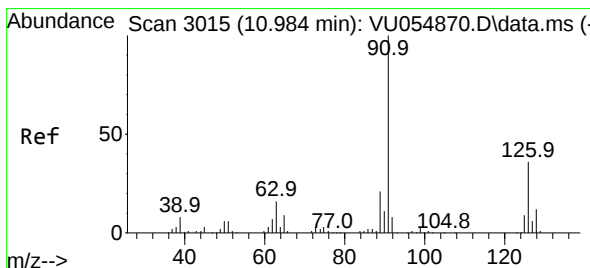
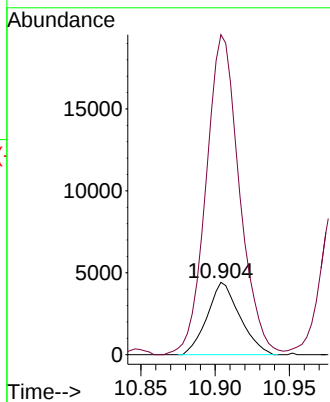
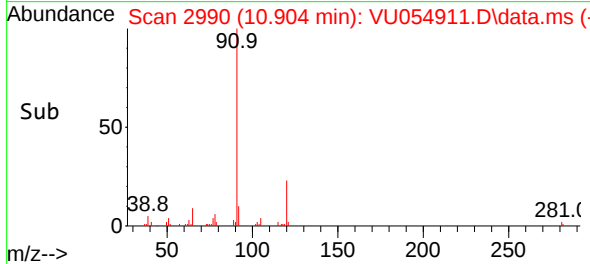
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:120 Resp: 675
Ion Ratio Lower Upper
120 100
91 453.4 361.8 542.6

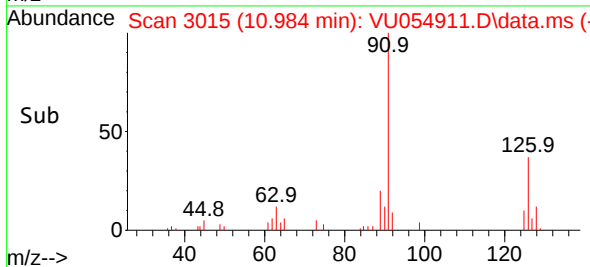
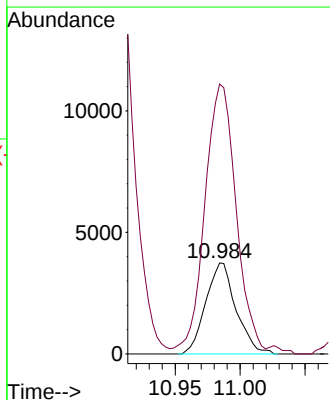
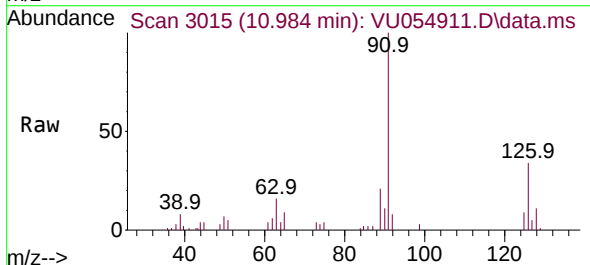
Manual Integrations
APPROVED

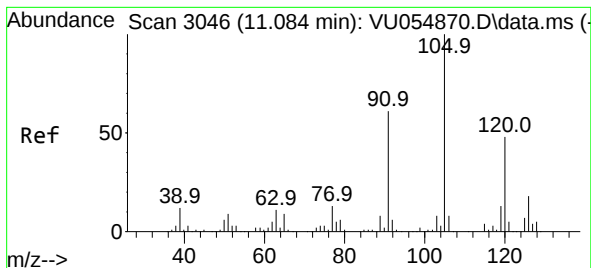
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#74
2-Chlorotoluene
Concen: 0.835 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion:126 Resp: 6045
Ion Ratio Lower Upper
126 100
91 296.6 0.0 561.4





#75

1,3,5-Trimethylbenzene

Concen: 0.834 ug/l

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion:105 Resp: 2110

Ion Ratio Lower Upper

105 100

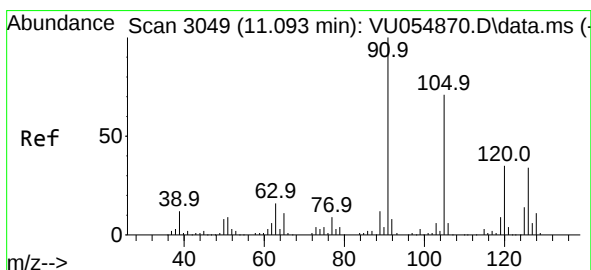
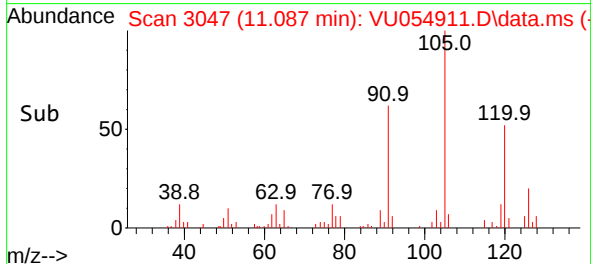
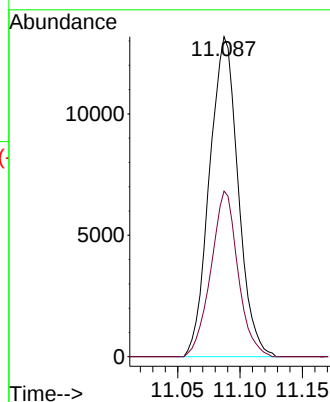
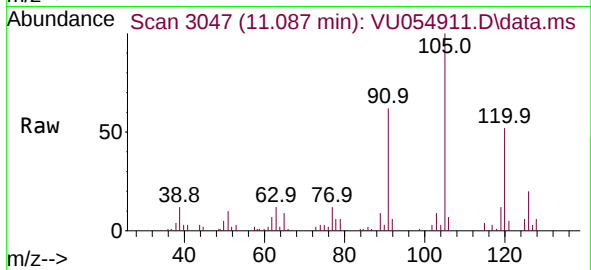
120 48.9 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#76

4-Chlorotoluene

Concen: 0.915 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VU054911.D

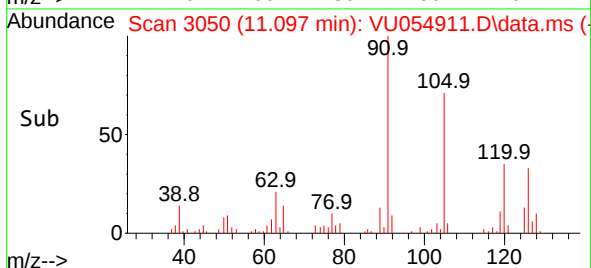
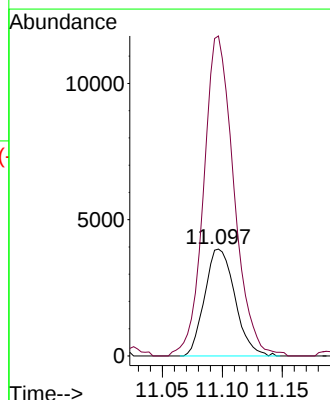
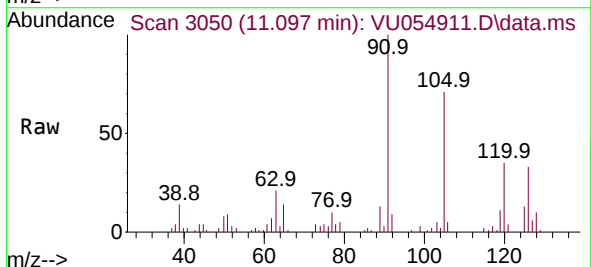
Acq: 28 Jul 2023 15:40

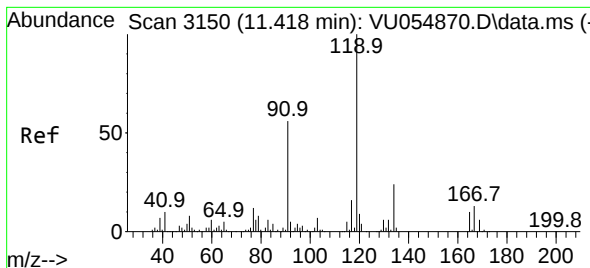
Tgt Ion:126 Resp: 6883

Ion Ratio Lower Upper

126 100

91 299.1 0.0 623.4





#77

tert-Butylbenzene

Concen: 0.812 ug/l

RT: 11.415 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU054911.D

Acq: 28 Jul 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion:119 Resp: 2136

Ion Ratio Lower Upper

119 100

91 56.4 27.7 83.1

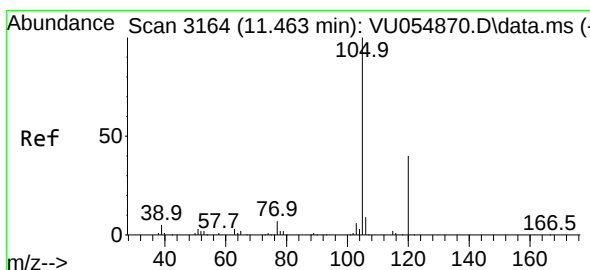
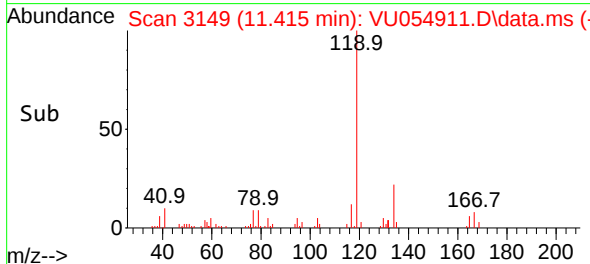
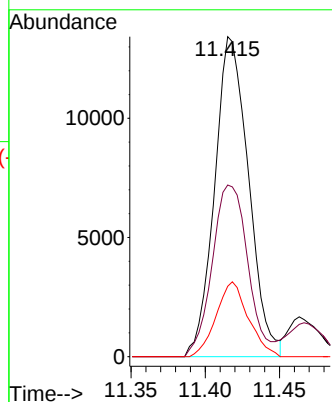
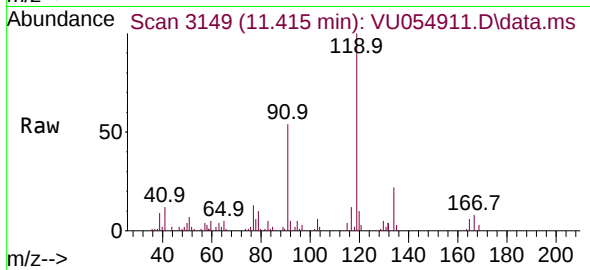
134 22.2 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#78

1,2,4-Trimethylbenzene

Concen: 0.796 ug/l

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU054911.D

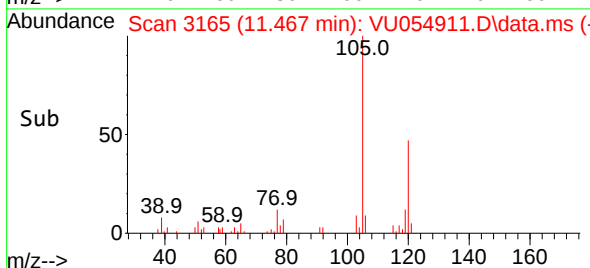
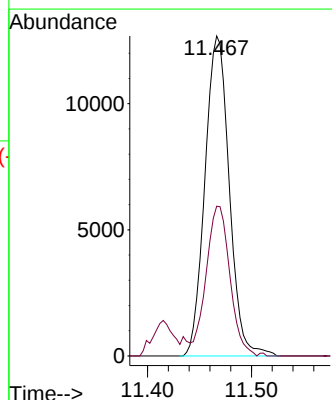
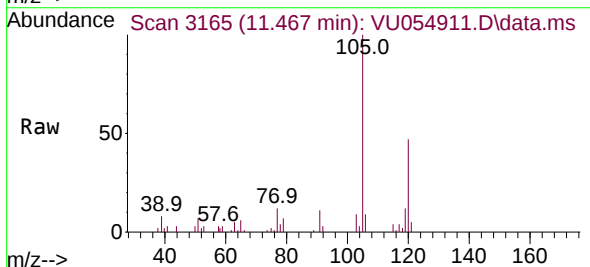
Acq: 28 Jul 2023 15:40

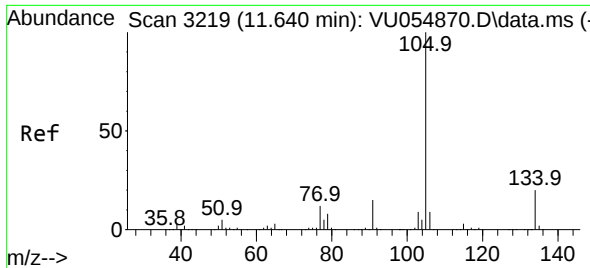
Tgt Ion:105 Resp: 20627

Ion Ratio Lower Upper

105 100

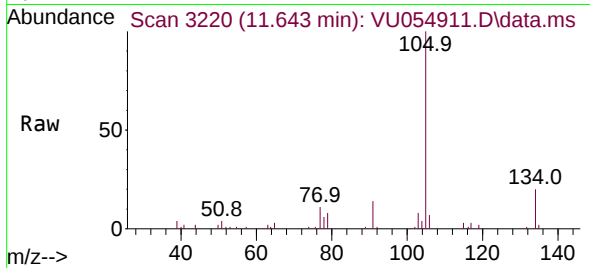
120 45.8 22.4 67.3





#79
 sec-Butylbenzene
 Concen: 0.814 ug/l
 RT: 11.643 min Scan# 3110
 Delta R.T. 0.003 min
 Lab File: VU054911.D
 Acq: 28 Jul 2023 15:40

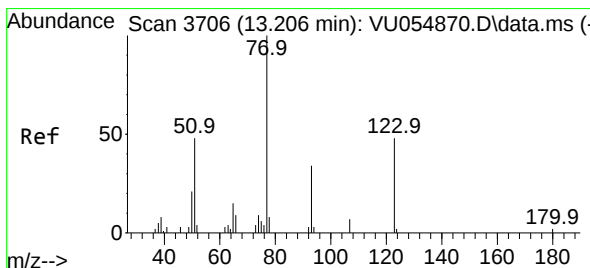
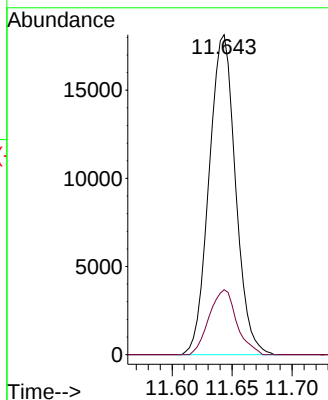
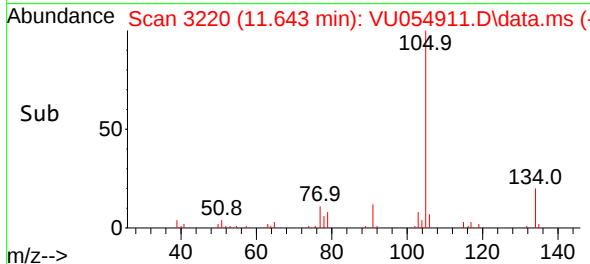
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK



Tgt Ion:105 Resp: 2782
 Ion Ratio Lower Upper
 105 100
 134 21.1 15.7 23.5

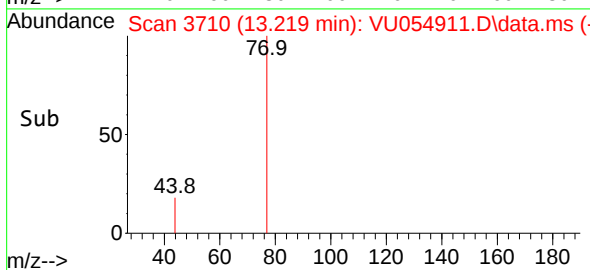
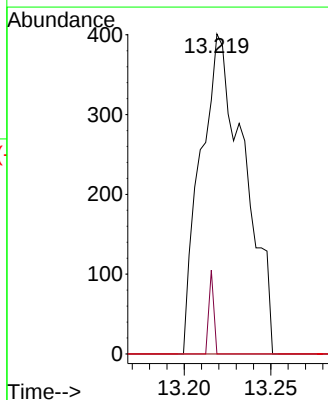
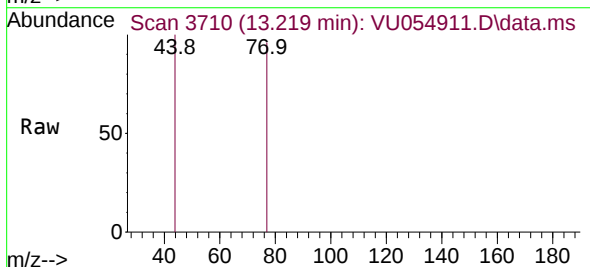
Manual Integrations
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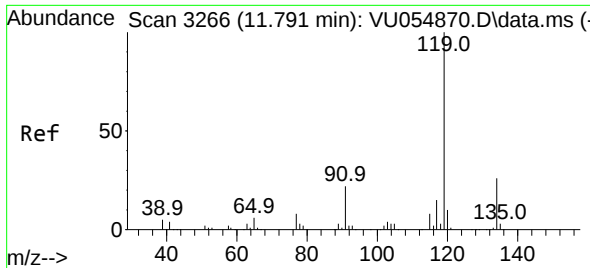
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#80
 Nitrobenzene
 Concen: 4.425 ug/l
 RT: 13.219 min Scan# 3710
 Delta R.T. 0.013 min
 Lab File: VU054911.D
 Acq: 28 Jul 2023 15:40

Tgt Ion: 77 Resp: 707
 Ion Ratio Lower Upper
 77 100
 123 2.8 20.2 71.8#
 65 0.0 11.7 14.9#





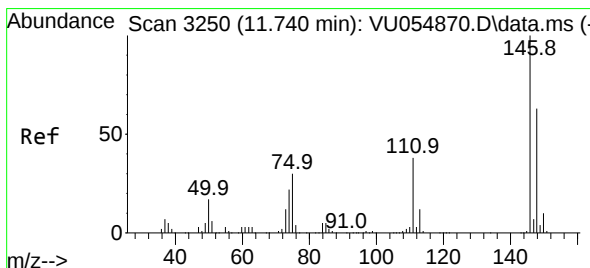
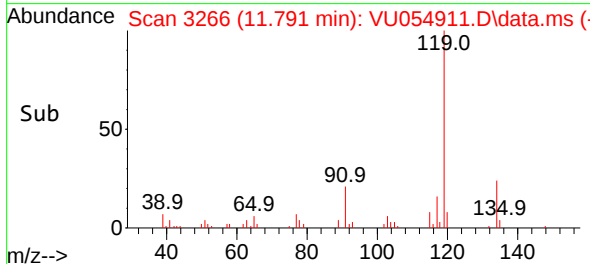
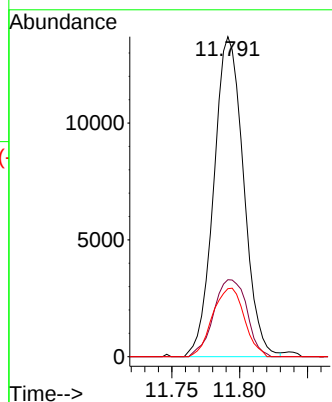
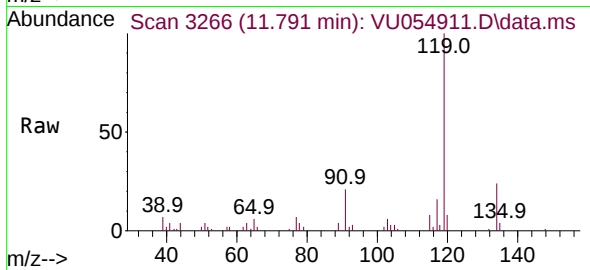
#81
p-Isopropyltoluene
Concen: 0.773 ug/l
RT: 11.791 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:119 Resp: 20864
Ion Ratio Lower Upper
119 100
134 26.8 20.6 31.0
91 22.9 18.2 27.4

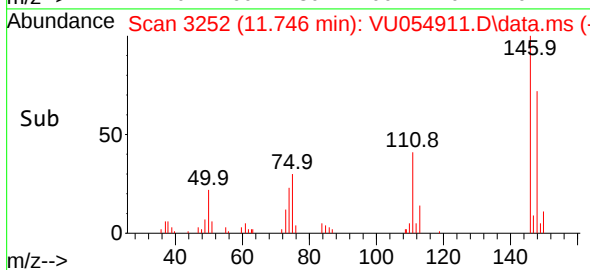
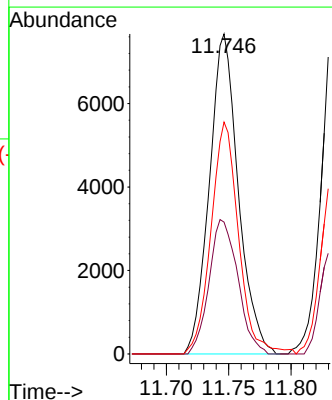
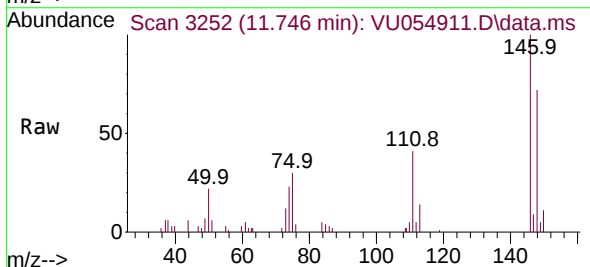
Manual Integrations
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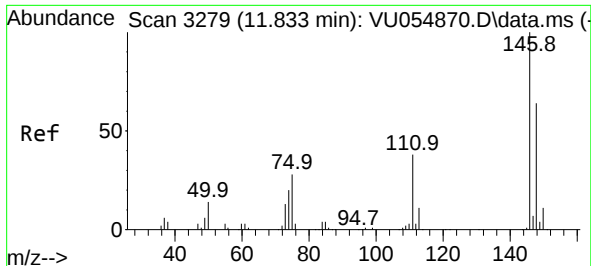
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#82
1,3-Dichlorobenzene
Concen: 0.836 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.006 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

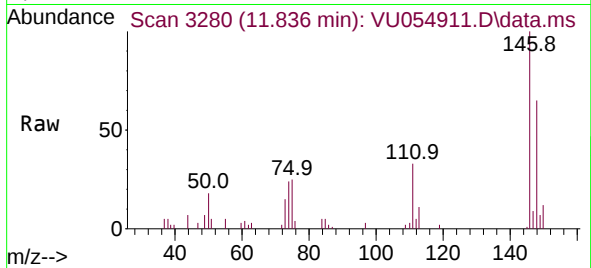
Tgt Ion:146 Resp: 12373
Ion Ratio Lower Upper
146 100
111 41.7 30.5 45.7
148 69.0 51.0 76.6





#83
1,4-Dichlorobenzene
Concen: 0.931 ug/l
RT: 11.836 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

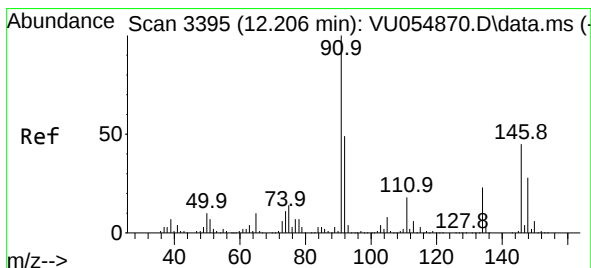
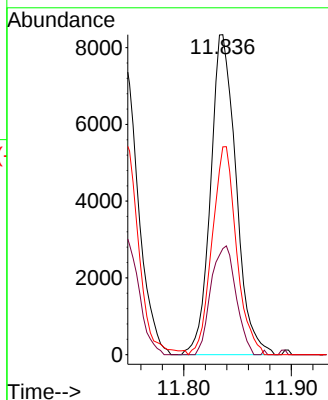
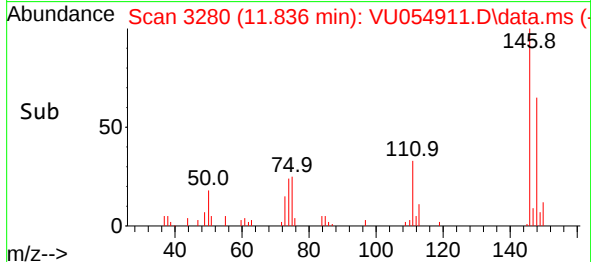
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



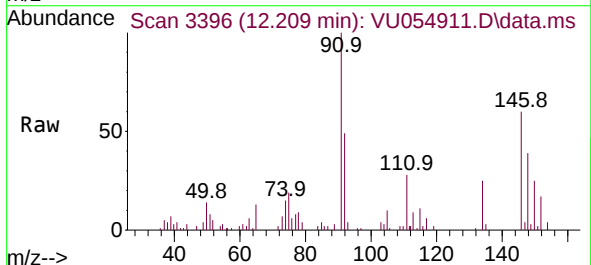
Tgt Ion:146 Resp: 1374
Ion Ratio Lower Upper
146 100
111 33.3 29.5 44.3
148 62.2 51.2 76.8

Manual Integrations
APPROVED

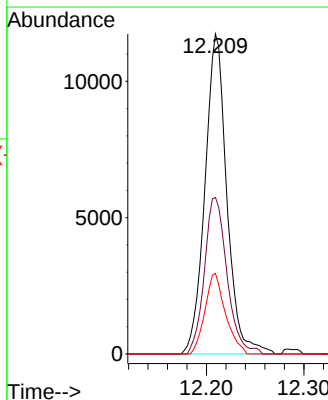
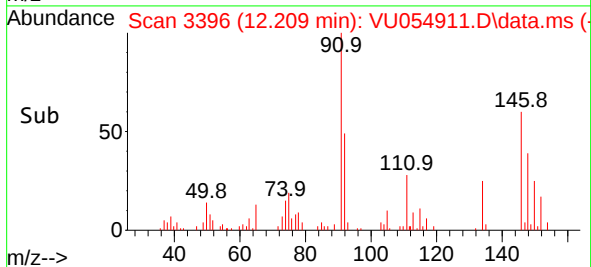
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

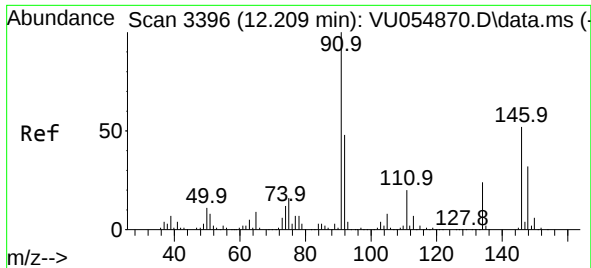


#84
n-Butylbenzene
Concen: 0.756 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40



Tgt Ion: 91 Resp: 18323
Ion Ratio Lower Upper
91 100
92 50.4 39.8 59.8
134 23.5 20.2 30.4





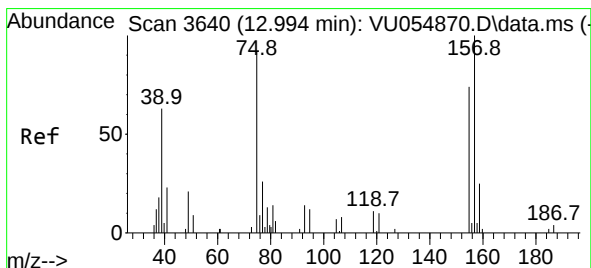
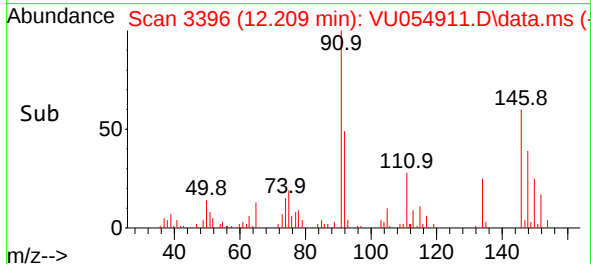
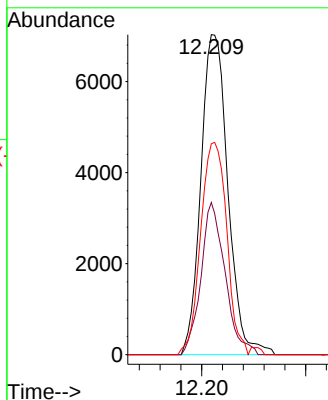
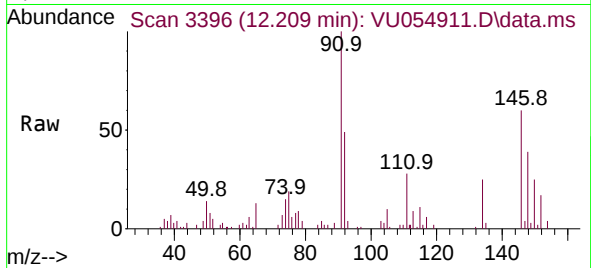
#85
1,2-Dichlorobenzene
Concen: 0.895 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion:146 Resp: 12704
Ion Ratio Lower Upper
146 100
111 42.5 19.8 59.4
148 63.9 31.8 95.3

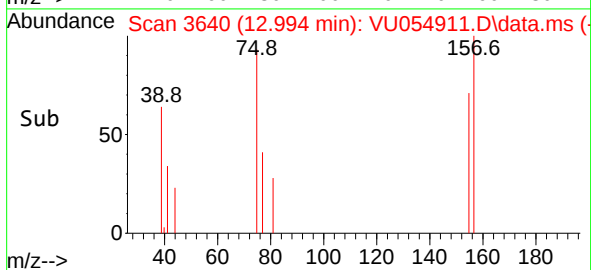
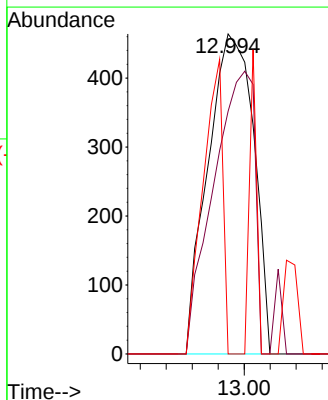
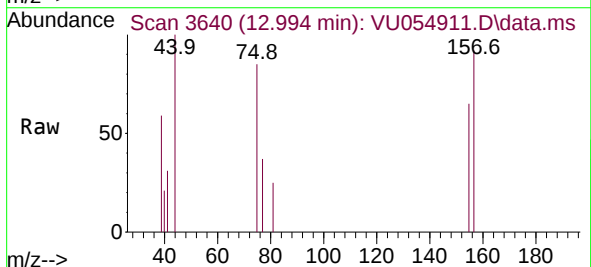
Manual Integrations
APPROVED

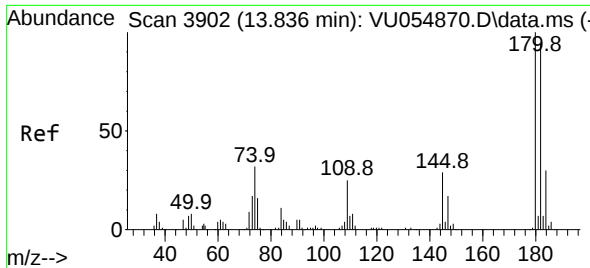
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.703 ug/l
RT: 12.994 min Scan# 3640
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

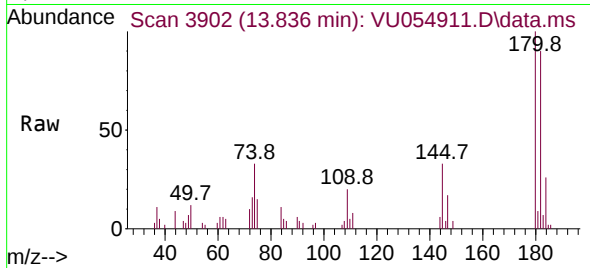
Tgt Ion: 75 Resp: 568
Ion Ratio Lower Upper
75 100
155 0.0 74.8 112.2#
157 39.8 97.4 146.0#





#87
1,2,4-Trichlorobenzene
Concen: 0.870 ug/l
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

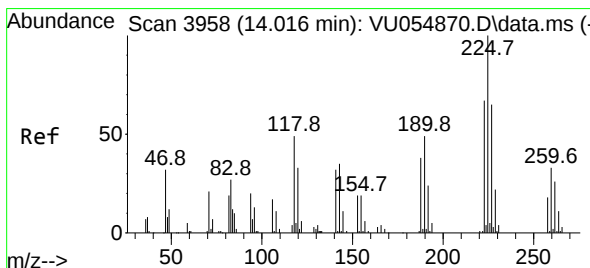
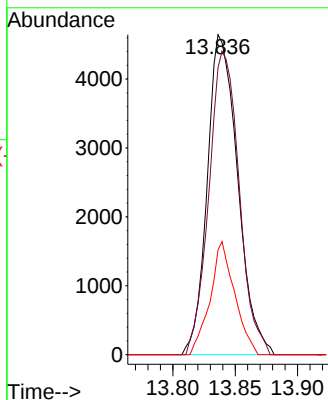
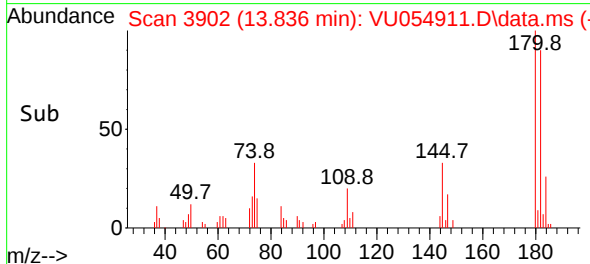
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:180 Resp: 7878
Ion Ratio Lower Upper
180 100
182 94.4 77.0 115.6
145 28.7 23.4 35.0

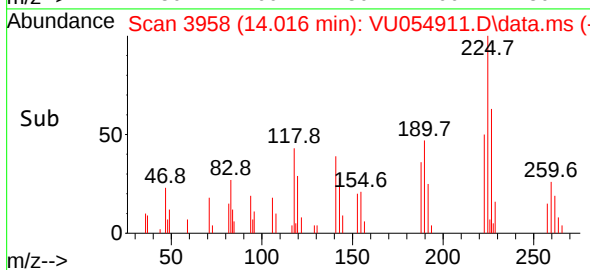
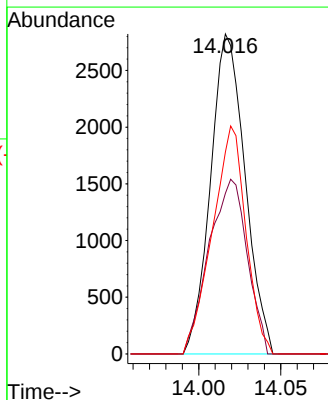
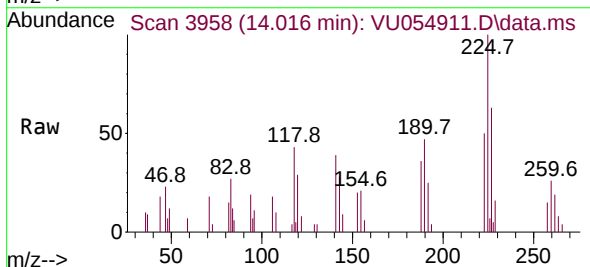
Manual Integrations
APPROVED

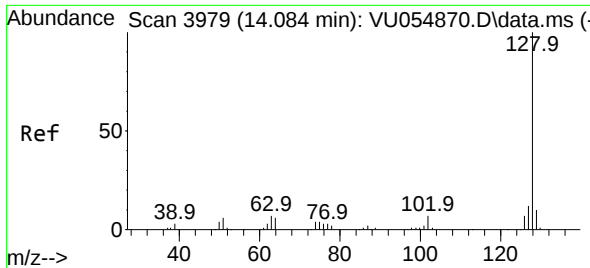
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#88
Hexachlorobutadiene
Concen: 0.854 ug/l
RT: 14.016 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

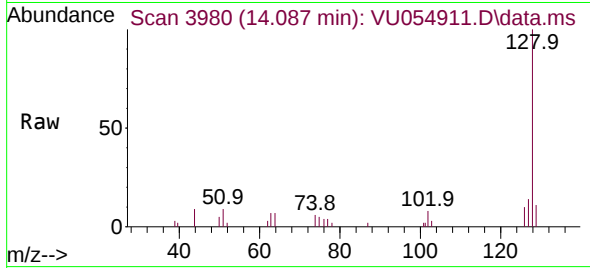
Tgt Ion:225 Resp: 4123
Ion Ratio Lower Upper
225 100
223 60.5 50.6 76.0
227 69.2 50.7 76.1





#89
Naphthalene
Concen: 0.867 ug/l
RT: 14.087 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

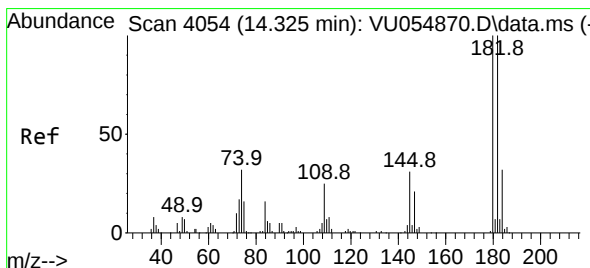
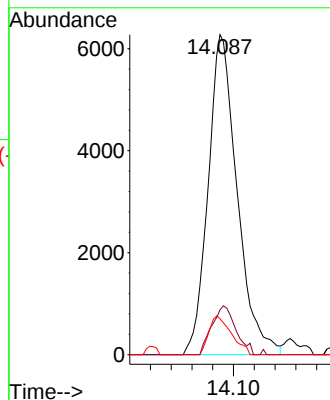
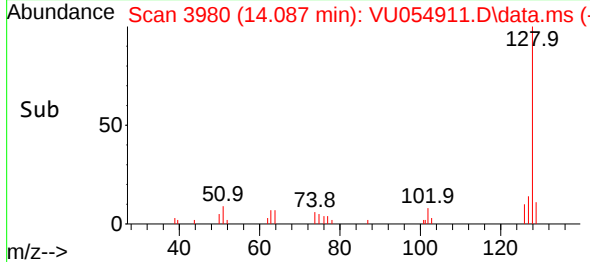
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK



Tgt Ion:128 Resp: 12152
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 9.4 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: 0.940 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU054911.D
Acq: 28 Jul 2023 15:40

Tgt Ion:180 Resp: 7548
Ion Ratio Lower Upper
180 100
182 82.5 76.0 114.0
145 23.8 24.3 36.5#

