

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054793.D
 Acq On : 17 Jul 2023 14:14
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV034

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 05:57:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:50:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	248751	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	239628	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	131766	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	96321	50.100	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.200%			
7) Chloroethane-d5	1.894	69	99360m	51.663	ug/L	0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.320%			
11) 1,1-Dichloroethene-d2	2.560	63	128971	46.765	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.520%			
21) 2-Butanone-d5	4.618	46	127324	103.031	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 103.030%			
24) Chloroform-d	5.058	84	147906	49.421	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.840%			
26) 1,2-Dichloroethane-d4	5.695	65	85717	47.829	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.660%			
32) Benzene-d6	5.721	84	281568	49.328	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.660%			
36) 1,2-Dichloropropane-d6	6.685	67	96070	49.984	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.960%			
41) Toluene-d8	7.894	98	278144	51.137	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.280%			
43) trans-1,3-Dichloroprop...	8.177	79	47076	47.880	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.760%			
47) 2-Hexanone-d5	8.630	63	87615	96.435	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.440%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	160937	45.588	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.180%			
66) 1,2-Dichlorobenzene-d4	12.190	152	111564	49.272	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	73184	38.929	ug/L	98
3) Chloromethane	1.521	50	81447	37.990	ug/L	96
5) Vinyl chloride	1.602	62	117746	42.241	ug/L	98
6) Bromomethane	1.827	94	95631	56.366	ug/L	99
8) Chloroethane	1.917	64	89426m	46.374	ug/L	
9) Trichlorofluoromethane	2.126	101	206854	46.363	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	80252	48.760	ug/L	98
12) 1,1-Dichloroethene	2.570	96	68298	44.127	ug/L	92
13) Acetone	2.621	43	112699	108.425	ug/L	99
14) Carbon disulfide	2.785	76	153165	33.890	ug/L	98
15) Methyl Acetate	2.943	43	89835	51.817	ug/L	98
16) Methylene chloride	3.039	84	86162	46.114	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	69058	43.106	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	279986	50.500	ug/L	98
19) 1,1-Dichloroethane	3.859	63	153121	50.091	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	91798	48.210	ug/L	99
22) 2-Butanone	4.695	43	151157	105.335	ug/L	99
23) Bromochloromethane	4.968	128	45917	47.401	ug/L	97
25) Chloroform	5.081	83	161165	50.277	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	119299	49.006	ug/L	98
29) Cyclohexane	5.383	56	110530	41.948	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	134140	50.441	ug/L	99
31) Carbon tetrachloride	5.518	117	114513	49.863	ug/L	99
33) Benzene	5.769	78	332075	48.367	ug/L	100
34) Trichloroethene	6.537	95	86045	49.235	ug/L	95
35) Methylcyclohexane	6.759	83	125031	43.777	ug/L	100
37) 1,2-Dichloropropane	6.785	63	93501	49.518	ug/L	99
38) Bromodichloromethane	7.100	83	124961	51.583	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	158297	50.830	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	293860	101.637	ug/L	100
42) Toluene	7.965	91	375639	48.894	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	145946	49.880	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	96481	50.117	ug/L	97
46) Tetrachloroethene	8.550	164	62627	46.742	ug/L	99
48) 2-Hexanone	8.679	43	243715	101.750	ug/L	98
49) Dibromochloromethane	8.807	129	101471	51.173	ug/L	98
50) 1,2-Dibromoethane	8.920	107	101277	48.875	ug/L	93
51) Chlorobenzene	9.444	112	247496	49.518	ug/L	98
52) Ethylbenzene	9.566	91	432329	48.673	ug/L	100
53) m,p-Xylene	9.692	106	164880	48.755	ug/L	96
54) o-Xylene	10.097	106	166882	48.576	ug/L	93
55) Styrene	10.113	104	291542	48.725	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	181852	47.846	ug/L	97
59) Bromoform	10.286	173	83201	50.481	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	127680	49.660	ug/L	98
61) Isopropylbenzene	10.483	105	456164	52.396	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	364752	50.873	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	334659	47.090	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	206353	51.107	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	209317	51.469	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	209424	51.633	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	36031	52.433	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	143008	52.836	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	133231	57.017	ug/L	98
71) Naphthalene	14.084	128	428151	55.826	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	131238	57.676	ug/L	100

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

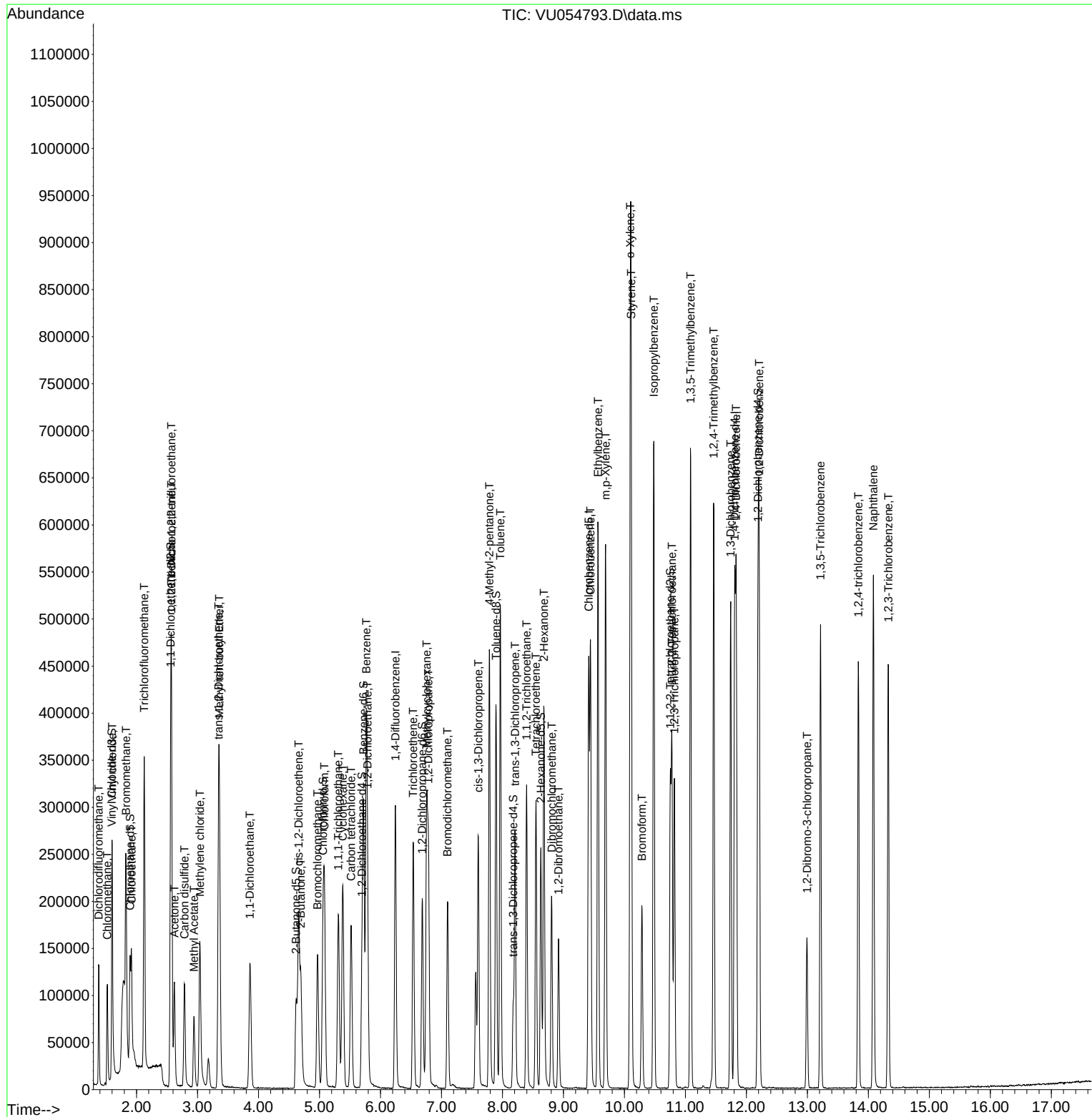
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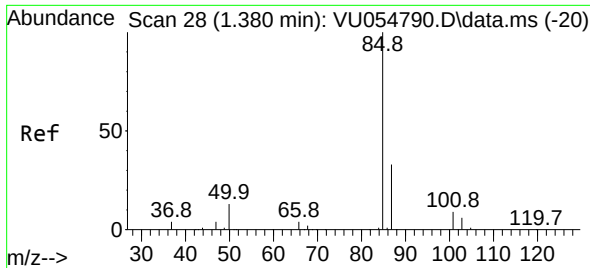
Instrument :
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ClientSampleId :
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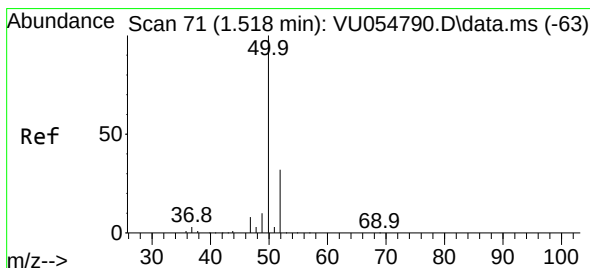
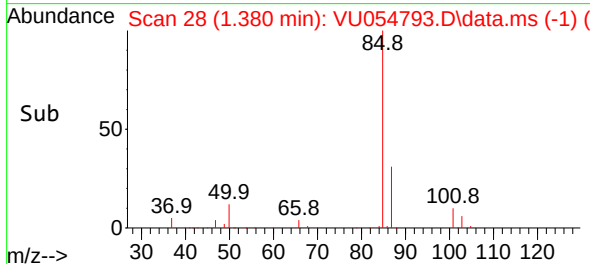
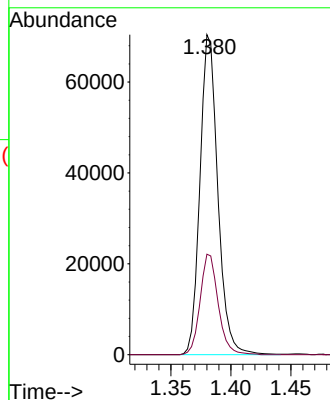
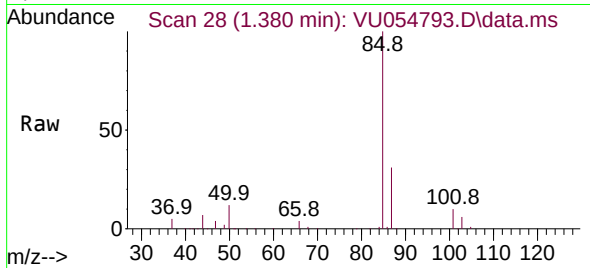
#2
 Dichlorodifluoromethane
 Concen: 38.929 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU054793.D
 Acq: 17 Jul 2023 14:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV034

Tgt Ion: 85 Resp: 73184
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.2 39.2

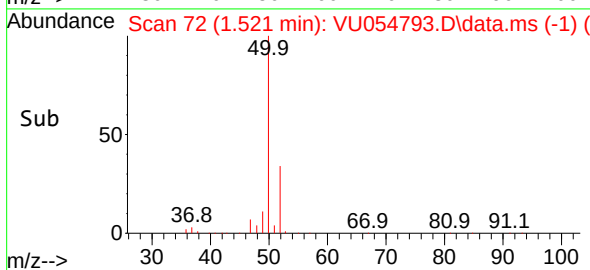
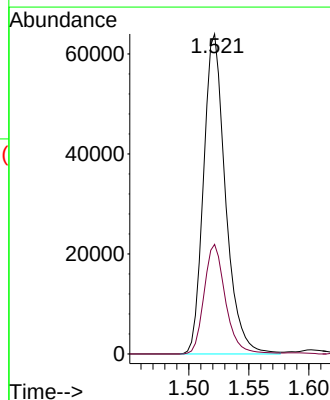
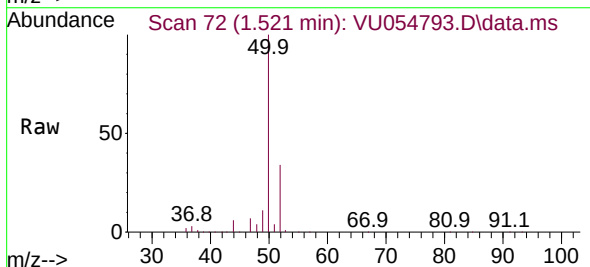
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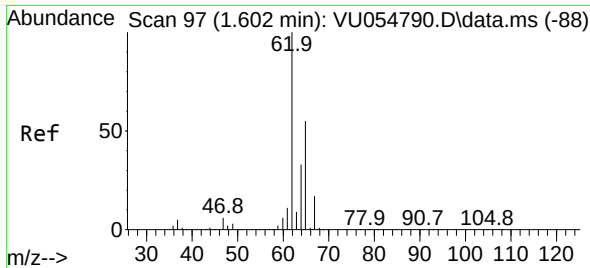
Reviewed By :John Carlone 07/18/2023
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#3
 Chloromethane
 Concen: 37.990 ug/L
 RT: 1.521 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU054793.D
 Acq: 17 Jul 2023 14:14

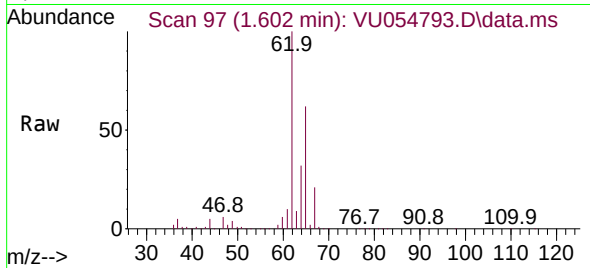
Tgt Ion: 50 Resp: 81447
 Ion Ratio Lower Upper
 50 100
 52 34.3 22.5 41.9





#5
 Vinyl chloride
 Concen: 42.241 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU054793.D
 Acq: 17 Jul 2023 14:14

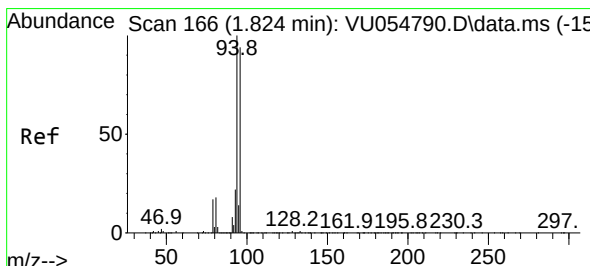
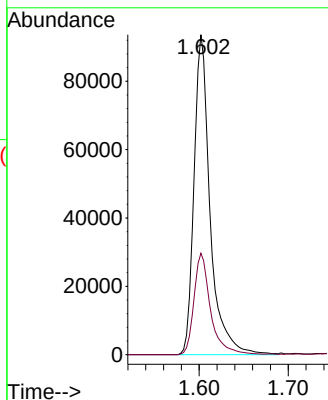
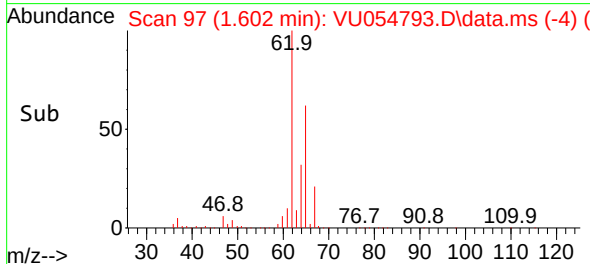
Instrument :
 MSVOA_U
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 VICV034



Tgt Ion: 62 Resp: 117740
 Ion Ratio Lower Upper
 62 100
 64 31.7 22.9 42.5

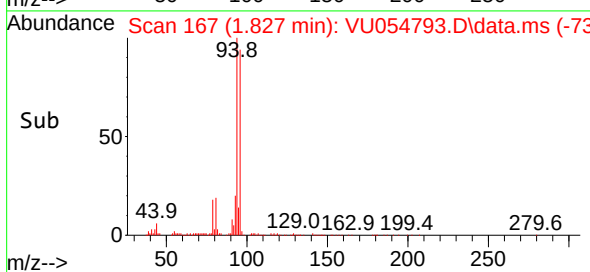
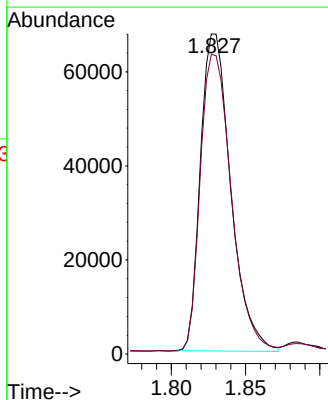
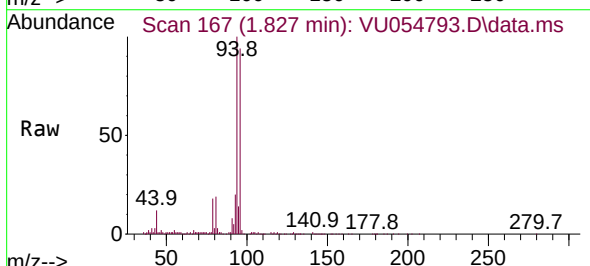
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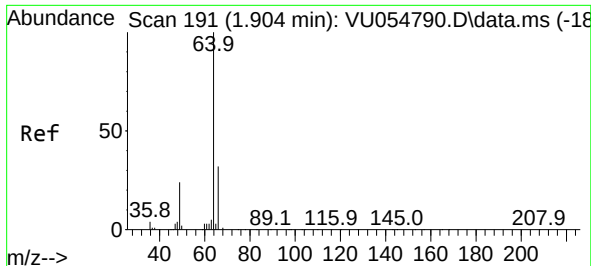
Reviewed By :John Carlone 07/18/2023
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#6
 Bromomethane
 Concen: 56.366 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. 0.003 min
 Lab File: VU054793.D
 Acq: 17 Jul 2023 14:14

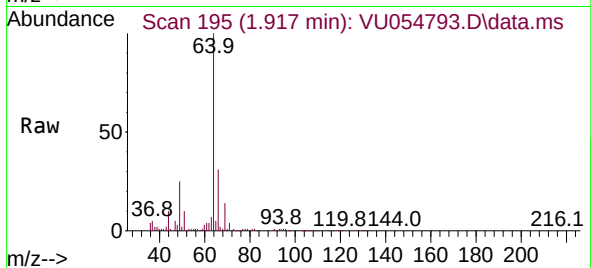
Tgt Ion: 94 Resp: 95631
 Ion Ratio Lower Upper
 94 100
 96 93.7 66.1 122.8





#8
Chloroethane
Concen: 46.374 ug/L m
RT: 1.917 min Scan# 191
Delta R.T. 0.013 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

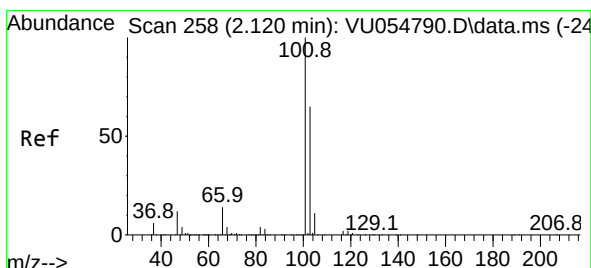
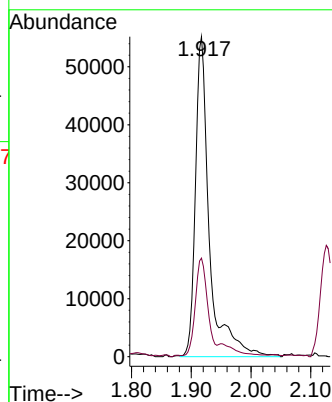
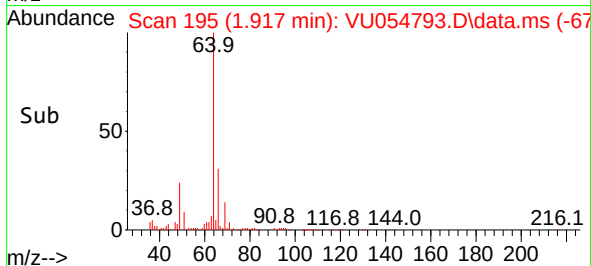
Instrument :
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Tgt Ion: 64 Resp: 89420
Ion Ratio Lower Upper
64 100
66 30.8 22.8 42.4

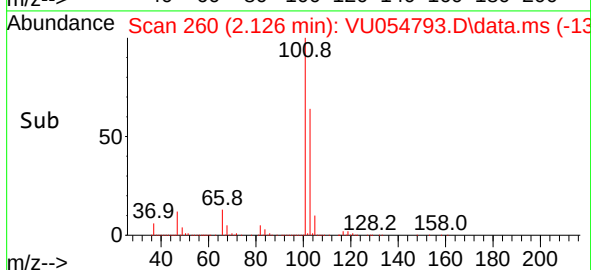
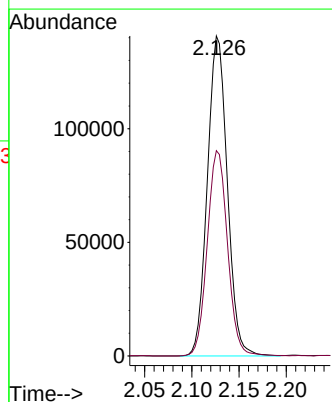
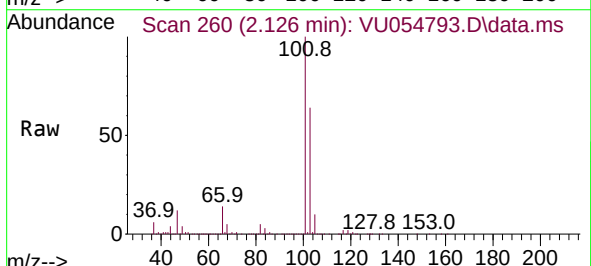
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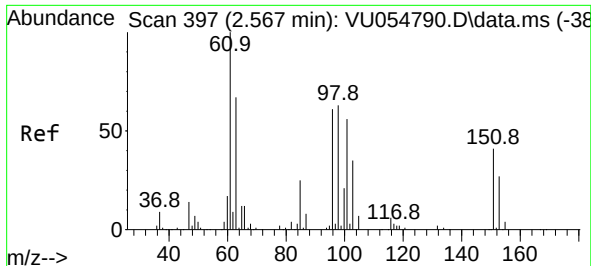
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#9
Trichlorofluoromethane
Concen: 46.363 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.006 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Tgt Ion:101 Resp: 206854
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 48.760 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.006 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

Instrument :

MSVOA_U

ClientSampleId :

VICV034

Tgt Ion:101 Resp: 8025

Ion Ratio Lower Upper

101 100

85 44.6 35.3 52.9

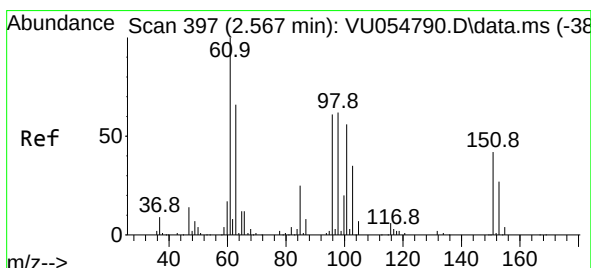
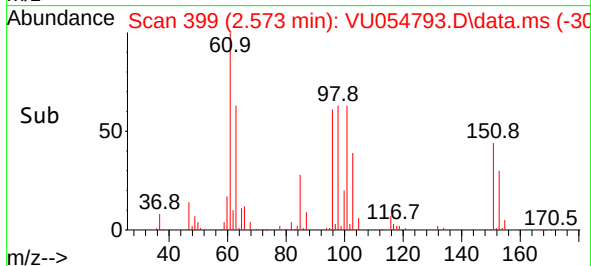
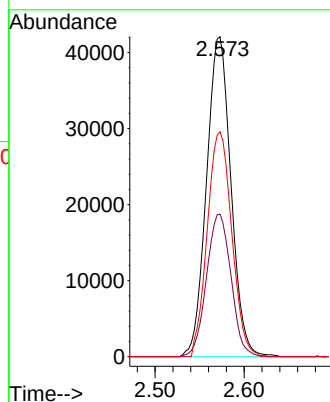
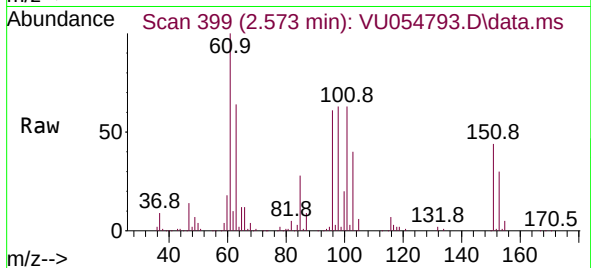
151 70.5 58.2 87.4

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#12

1,1-Dichloroethene

Concen: 44.127 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

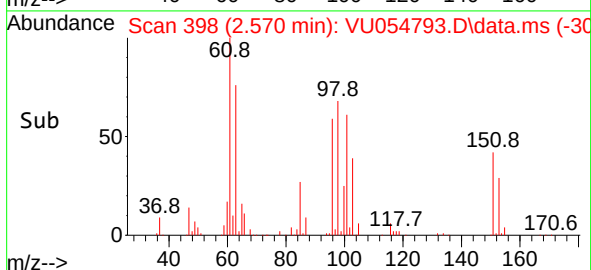
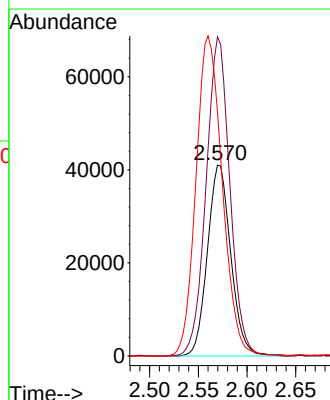
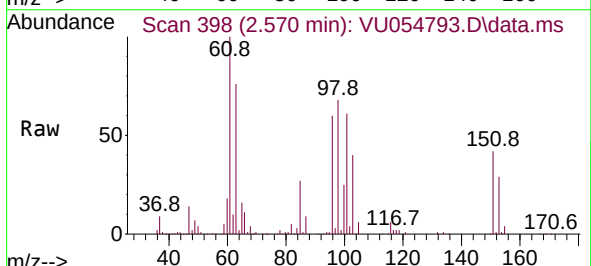
Tgt Ion: 96 Resp: 68298

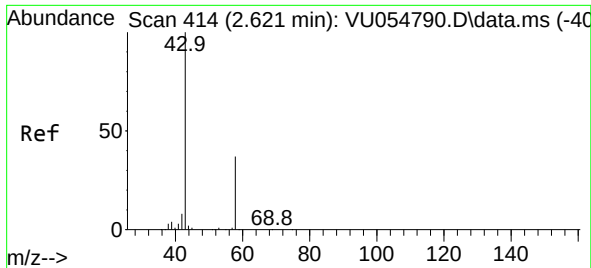
Ion Ratio Lower Upper

96 100

61 167.3 115.0 213.6

63 127.8 77.6 144.0





#13

Acetone

Concen: 108.425 ug/L

RT: 2.621 min Scan# 414

Delta R.T. -0.000 min

Lab File: VU054793.D

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Tgt Ion: 43 Resp: 11269

Ion Ratio Lower Upper

43 100

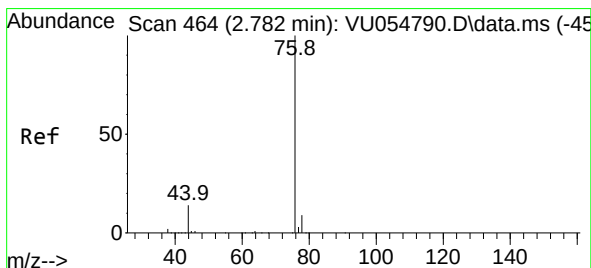
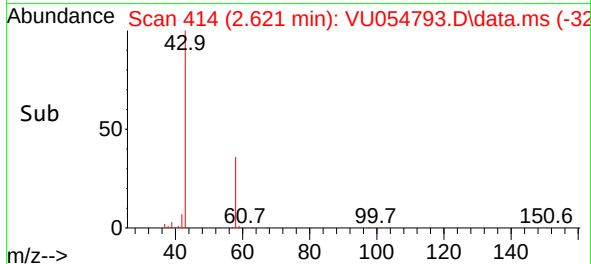
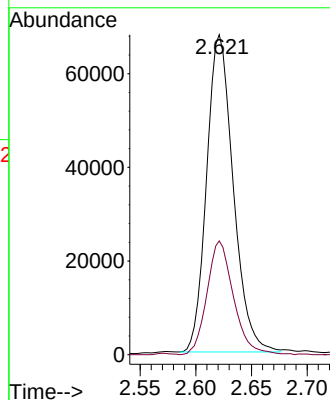
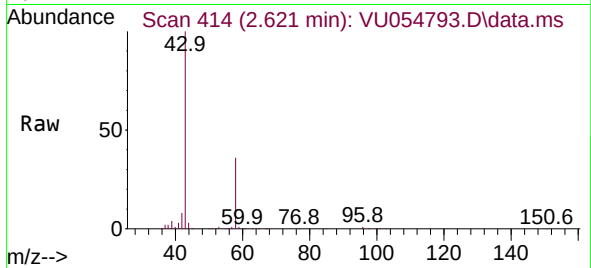
58 35.6 0.0 72.4

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#14

Carbon disulfide

Concen: 33.890 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.003 min

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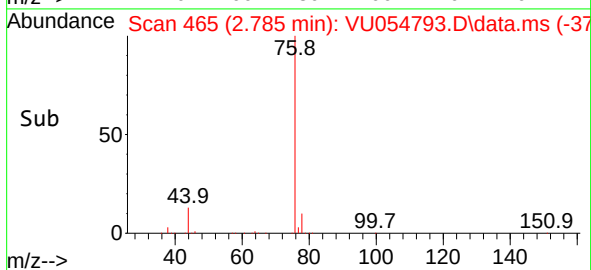
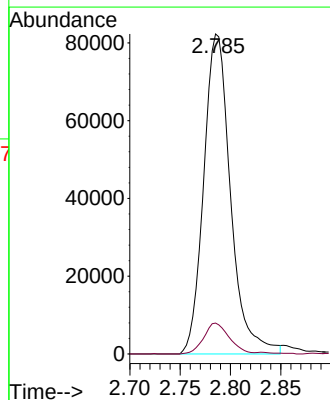
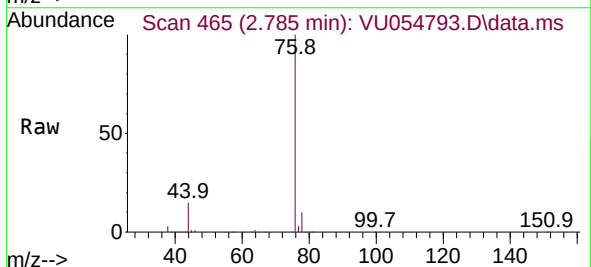
Acq: 17 Jul 2023 14:14

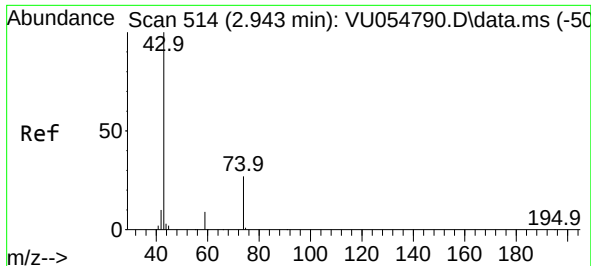
Tgt Ion: 76 Resp: 153165

Ion Ratio Lower Upper

76 100

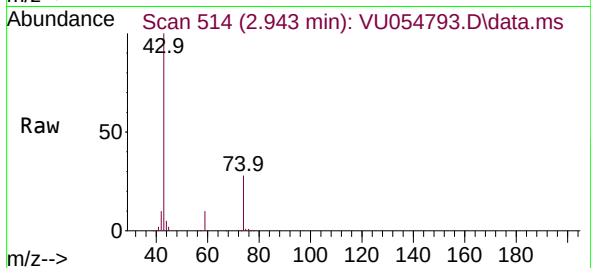
78 9.9 7.4 11.0





#15
Methyl Acetate
Concen: 51.817 ug/L
RT: 2.943 min Scan# 514
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

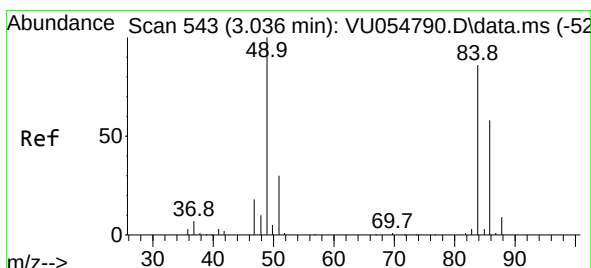
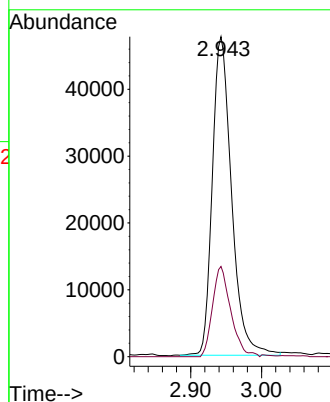
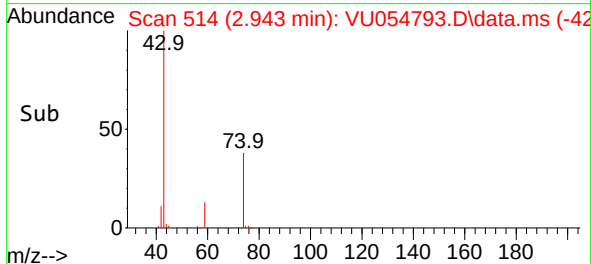
Instrument :
MSVOA_U
ClientSampleId :
VICV034



Tgt Ion: 43 Resp: 89835
Ion Ratio Lower Upper
43 100
74 26.4 21.8 32.8

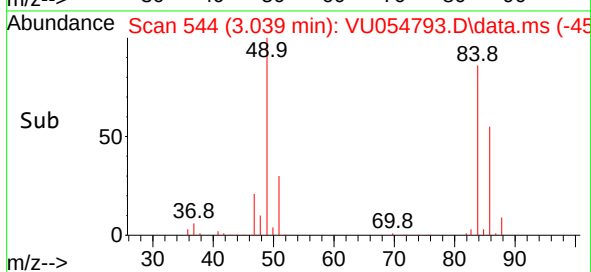
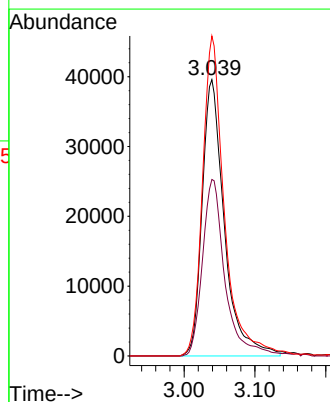
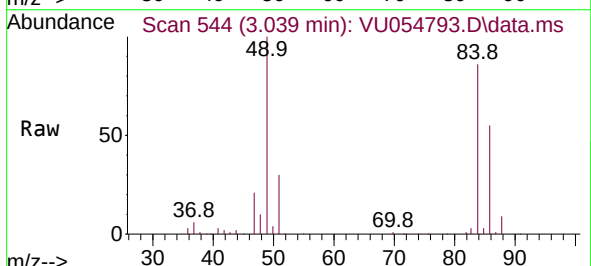
Manual Integrations
APPROVED

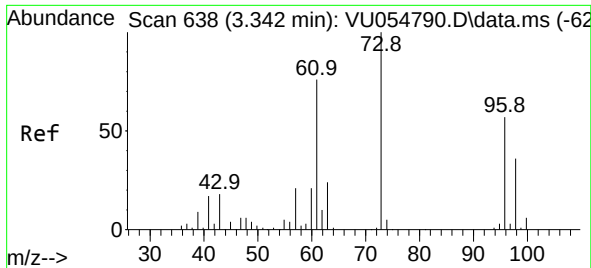
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#16
Methylene chloride
Concen: 46.114 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Tgt Ion: 84 Resp: 86162
Ion Ratio Lower Upper
84 100
86 63.9 46.8 87.0
49 115.8 81.3 151.1





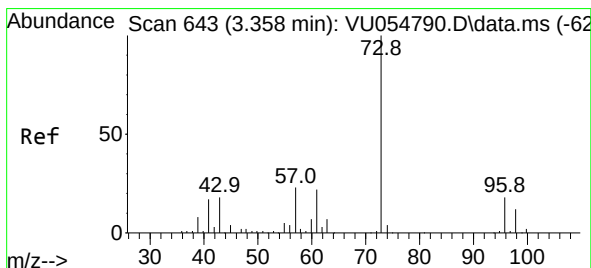
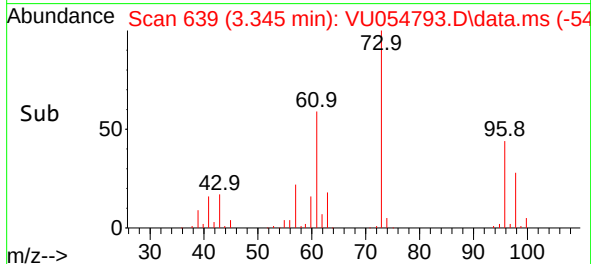
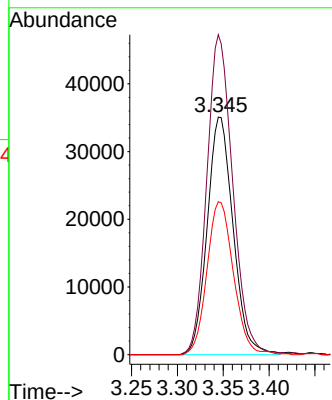
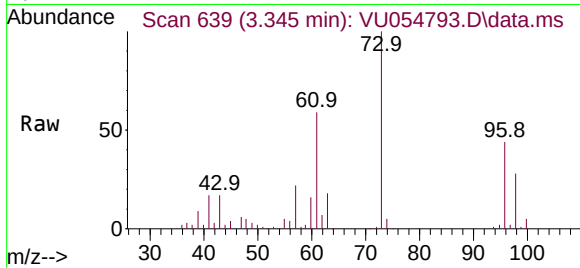
#17
trans-1,2-Dichloroethene
Concen: 43.106 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Instrument :
MSVOA_U
ClientSampleId :
VICV034

Tgt Ion: 96 Resp: 69058
Ion Ratio Lower Upper
96 100
61 134.6 93.2 173.2
98 64.3 44.7 82.9

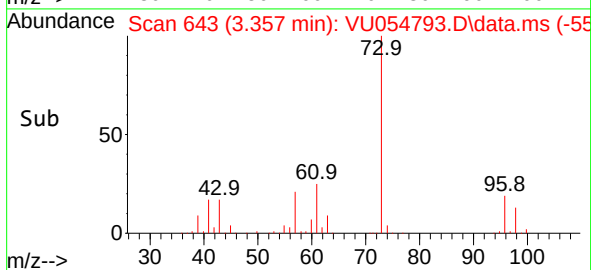
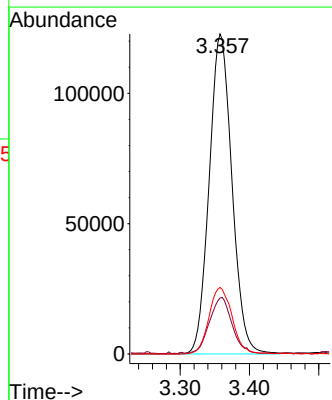
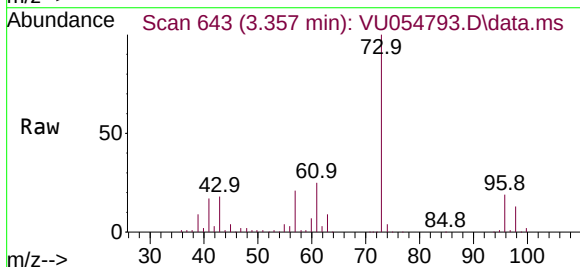
Manual Integrations
APPROVED

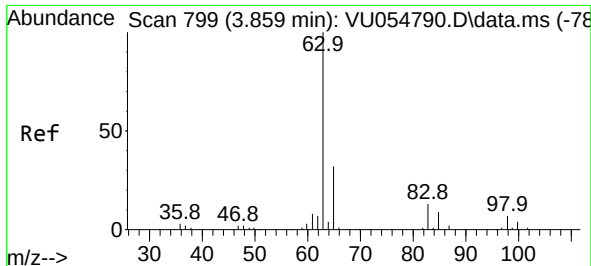
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#18
Methyl tert-butyl Ether
Concen: 50.500 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Tgt Ion: 73 Resp: 279986
Ion Ratio Lower Upper
73 100
43 17.2 14.3 21.5
57 21.0 17.4 26.0





#19

1,1-Dichloroethane

Concen: 50.091 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

Instrument :

MSVOA_U

ClientSampleId :

VICV034

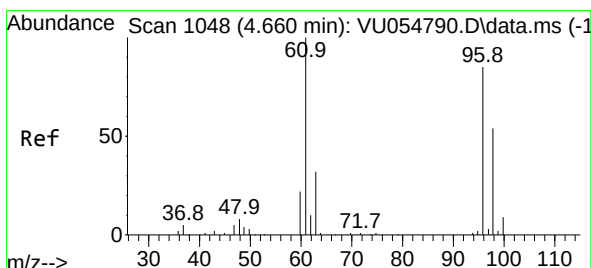
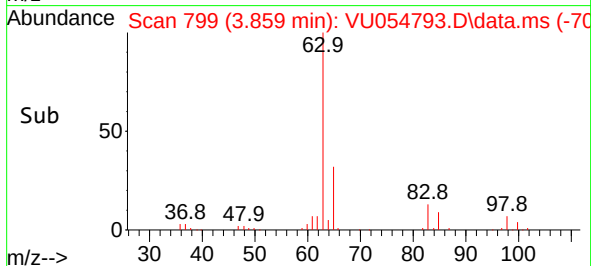
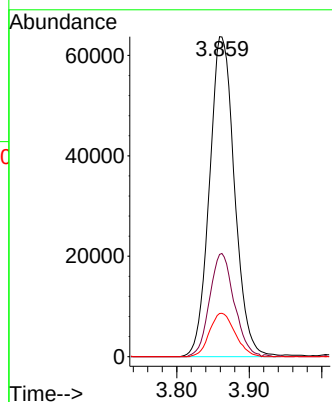
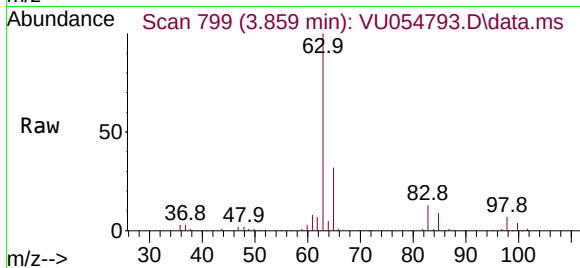
Tgt Ion: 63 Resp: 15312
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.1 41.1
 83 13.5 9.4 17.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#20

cis-1,2-Dichloroethene

Concen: 48.210 ug/L

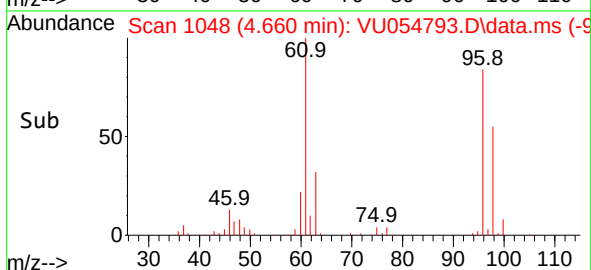
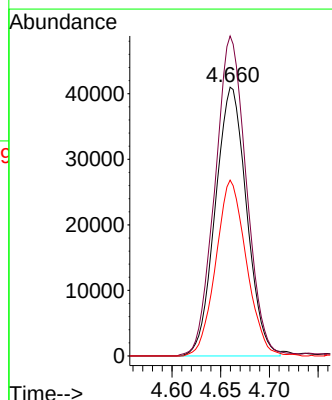
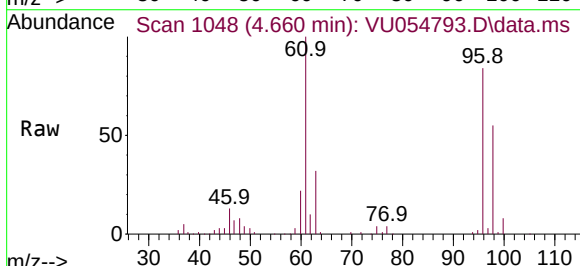
RT: 4.660 min Scan# 1048

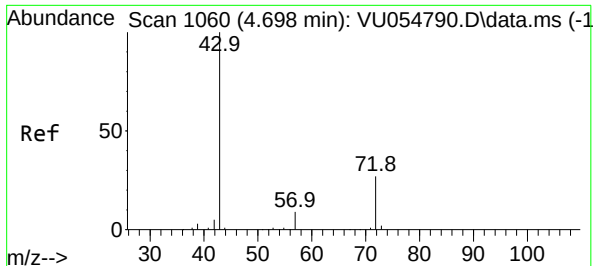
Delta R.T. -0.000 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

Tgt Ion: 96 Resp: 91798
 Ion Ratio Lower Upper
 96 100
 61 119.0 82.7 153.7
 98 65.4 44.4 82.5





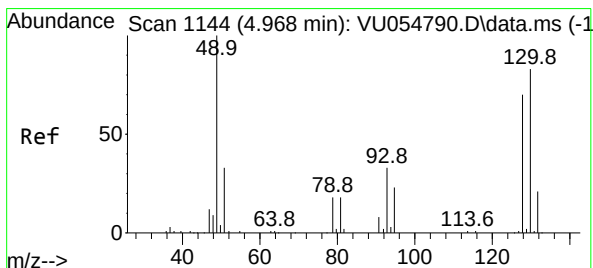
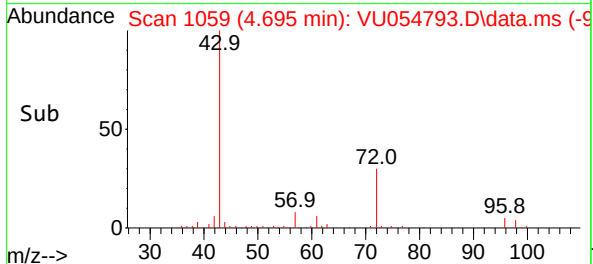
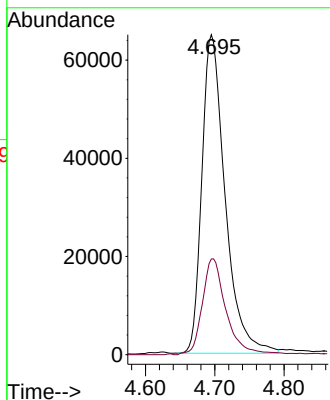
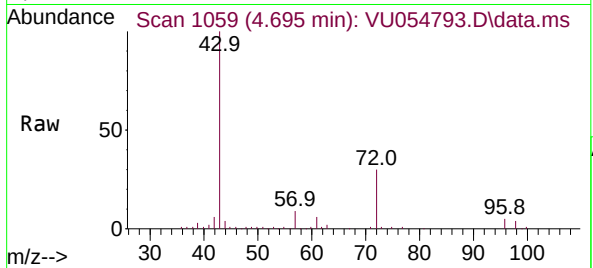
#22
2-Butanone
Concen: 105.335 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. -0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Instrument :
MSVOA_U
ClientSampleId :
VICV034

Tgt Ion: 43 Resp: 15115
Ion Ratio Lower Upper
43 100
72 30.7 15.2 45.6

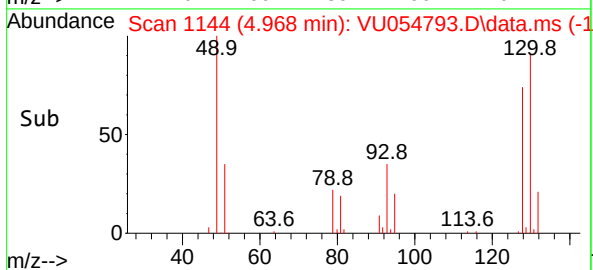
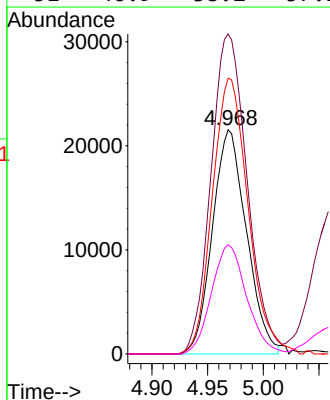
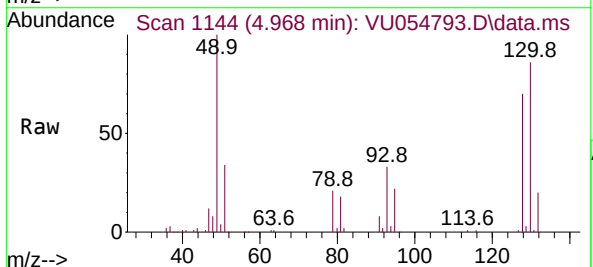
Manual Integrations
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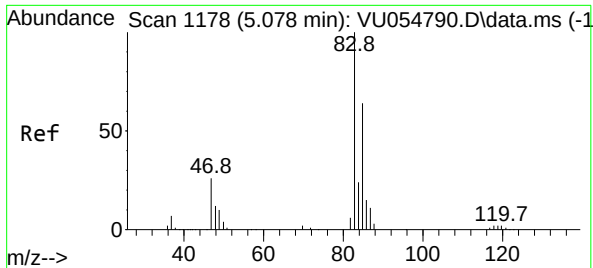
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#23
Bromochloromethane
Concen: 47.401 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

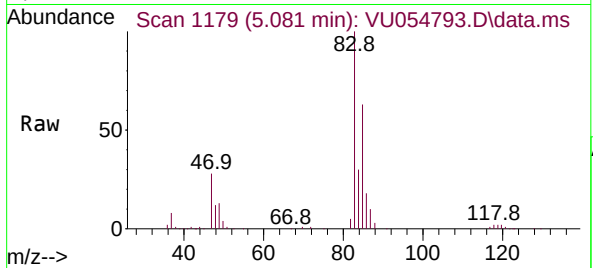
Tgt Ion:128 Resp: 45917
Ion Ratio Lower Upper
128 100
49 137.2 100.6 186.8
130 120.3 83.0 154.1
51 46.9 38.2 57.2





#25
Chloroform
Concen: 50.277 ug/L
RT: 5.081 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

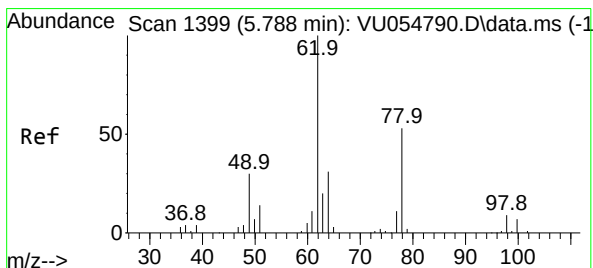
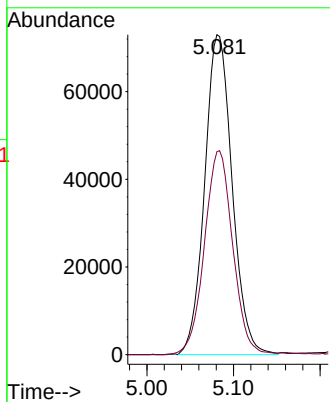
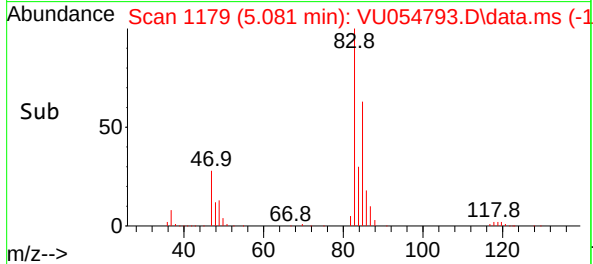
Instrument :
MSVOA_U
ClientSampleId :
VICV034



Tgt Ion: 83 Resp: 16116
Ion Ratio Lower Upper
83 100
85 63.5 44.7 82.9

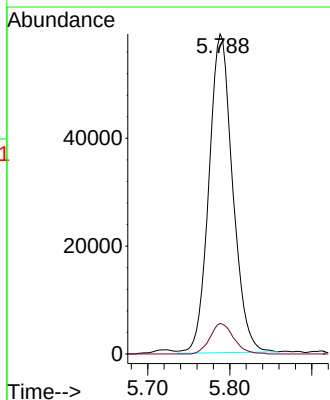
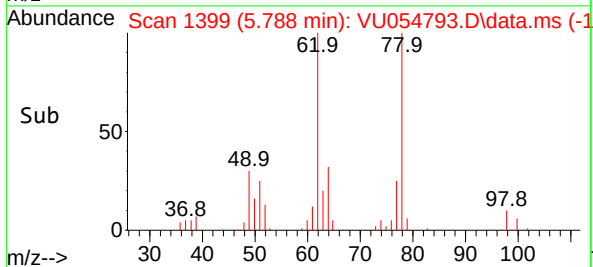
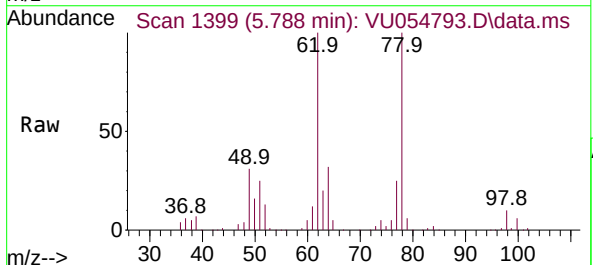
Manual Integrations
APPROVED

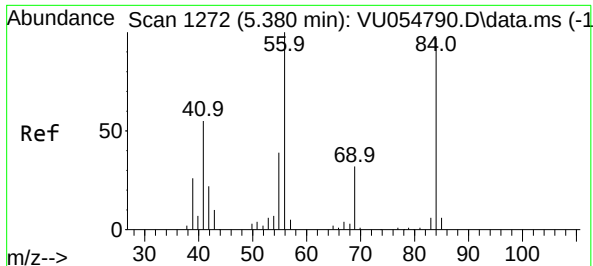
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#27
1,2-Dichloroethane
Concen: 49.006 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Tgt Ion: 62 Resp: 119299
Ion Ratio Lower Upper
62 100
98 10.1 7.5 11.3





#29

Cyclohexane

Concen: 41.948 ug/L

RT: 5.383 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

Instrument :

MSVOA_U

ClientSampleId :

VICV034

Tgt Ion: 56 Resp: 110530

Ion Ratio Lower Upper

56 100

69 31.6 25.8 38.8

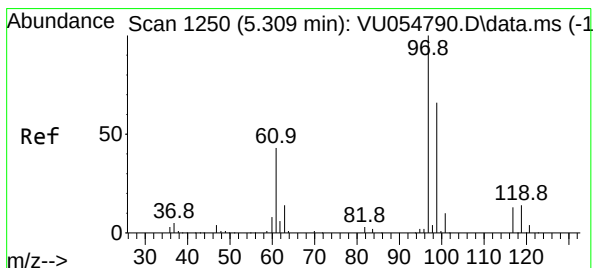
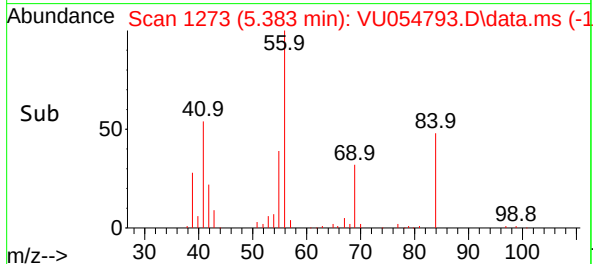
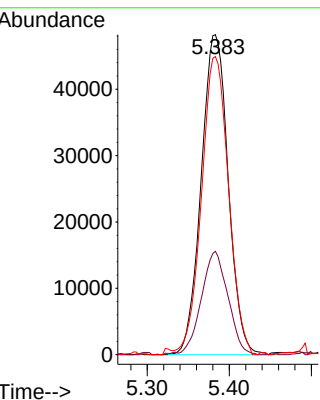
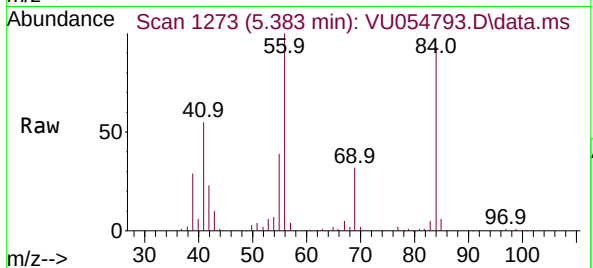
84 93.2 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#30

1,1,1-Trichloroethane

Concen: 50.441 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

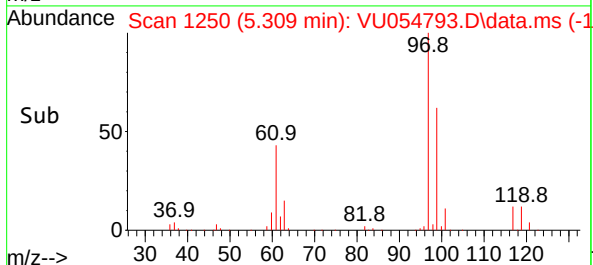
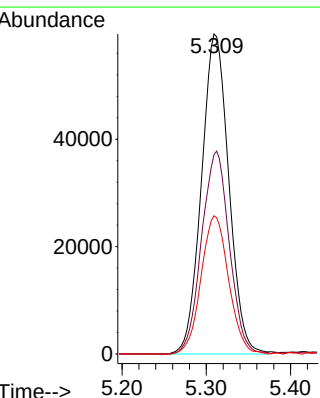
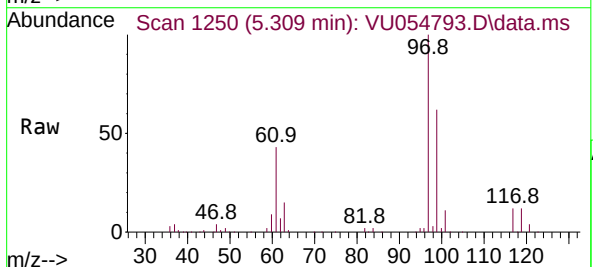
Tgt Ion: 97 Resp: 134140

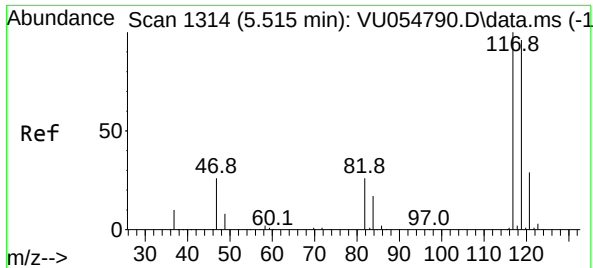
Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

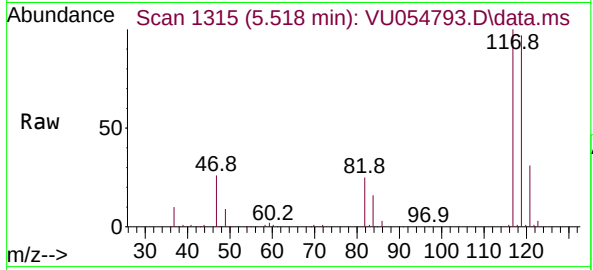
61 43.6 34.3 51.5





#31
Carbon tetrachloride
Concen: 49.863 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

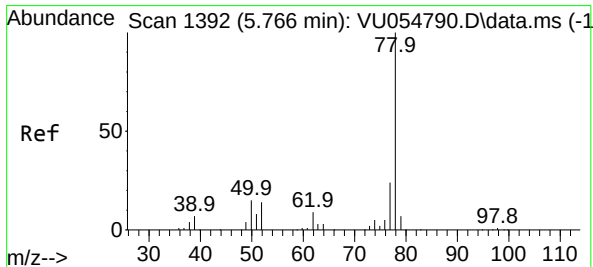
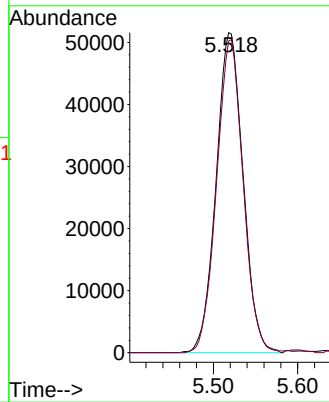
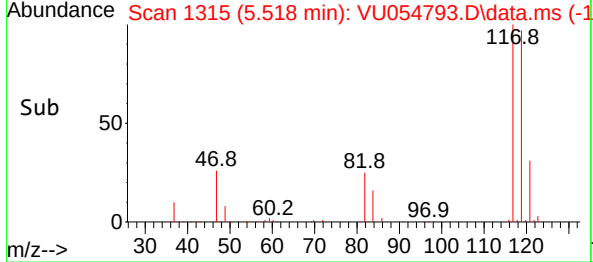
Instrument :
MSVOA_U
ClientSampleId :
VICV034



Tgt Ion:117 Resp: 11451
Ion Ratio Lower Upper
117 100
119 96.0 77.4 116.2

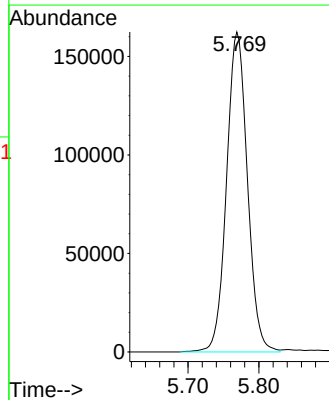
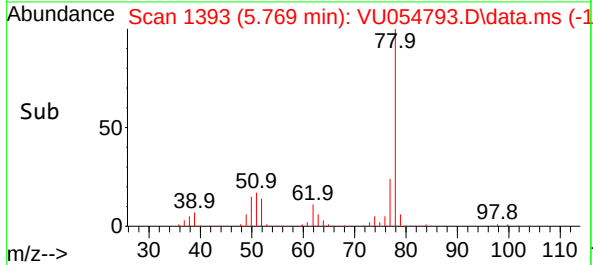
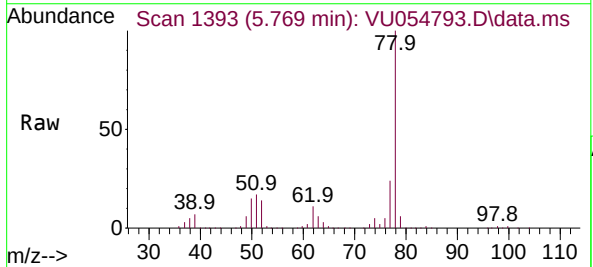
Manual Integrations
APPROVED

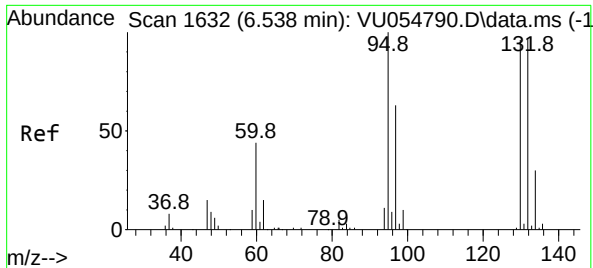
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#33
Benzene
Concen: 48.367 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

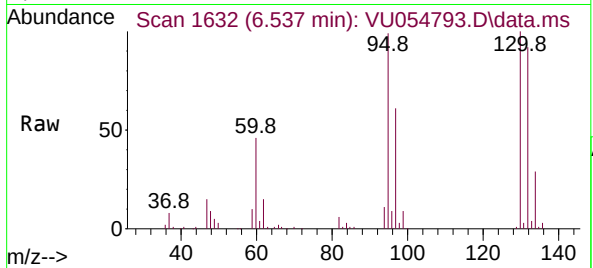
Tgt Ion: 78 Resp: 332075





#34
Trichloroethene
Concen: 49.235 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

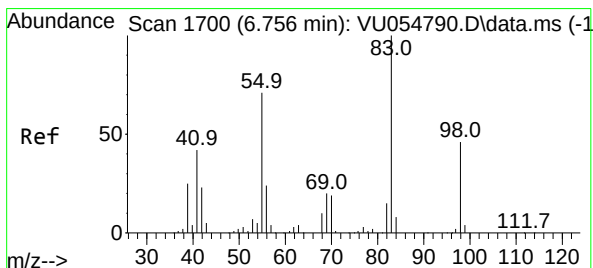
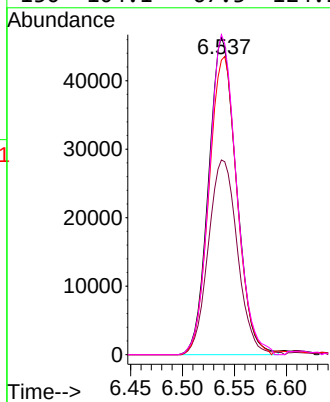
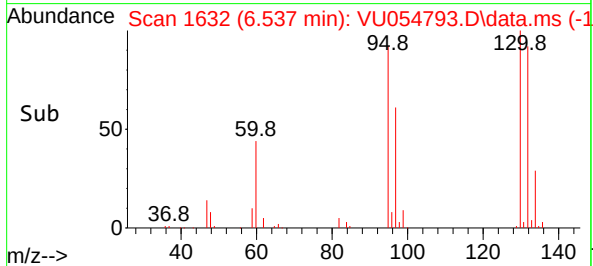
Instrument :
MSVOA_U
ClientSampleId :
VICV034



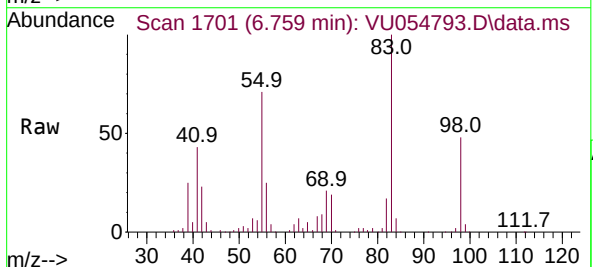
Tgt Ion: 95 Resp: 8604
Ion Ratio Lower Upper
95 100
97 61.3 44.0 81.8
132 92.7 67.9 126.1
130 104.1 67.3 124.9

Manual Integrations
APPROVED

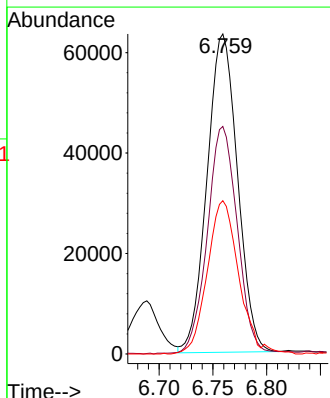
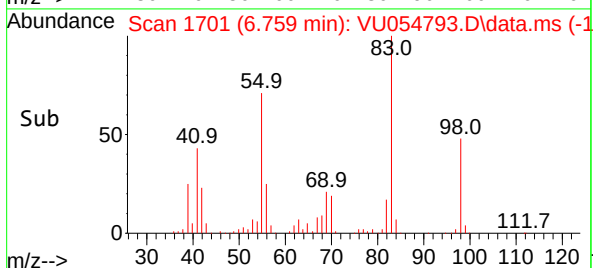
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

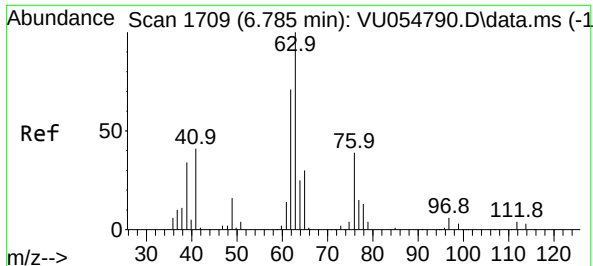


#35
Methylcyclohexane
Concen: 43.777 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14



Tgt Ion: 83 Resp: 125031
Ion Ratio Lower Upper
83 100
55 69.7 55.8 83.8
98 48.5 38.6 58.0





#37

1,2-Dichloropropane

Concen: 49.518 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

Instrument :

MSVOA_U

ClientSampleId :

VICV034

Tgt Ion: 63 Resp: 9350

Ion Ratio Lower Upper

63 100

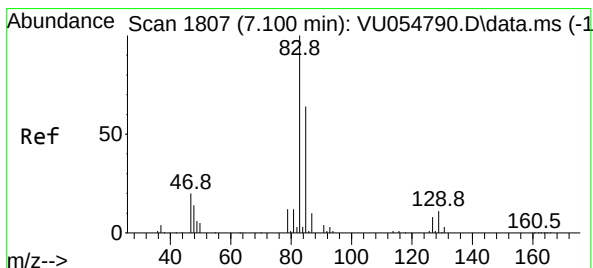
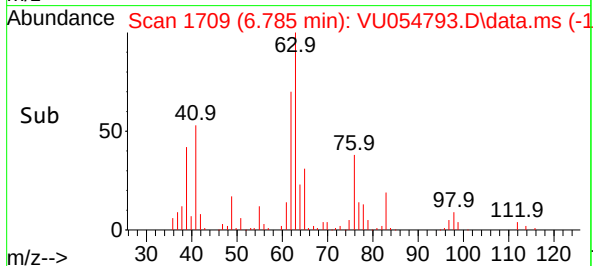
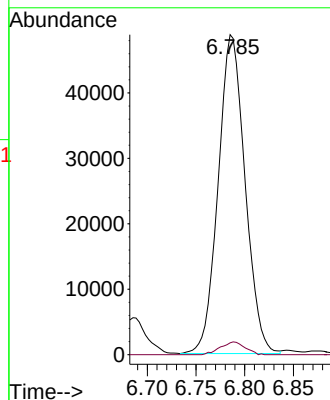
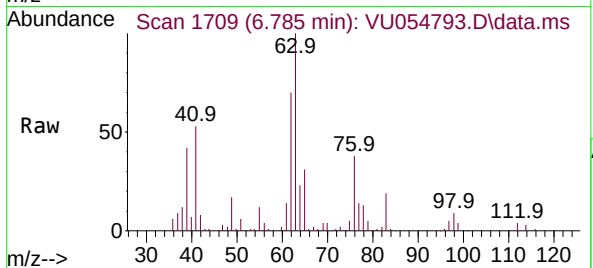
112 3.6 3.1 4.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#38

Bromodichloromethane

Concen: 51.583 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

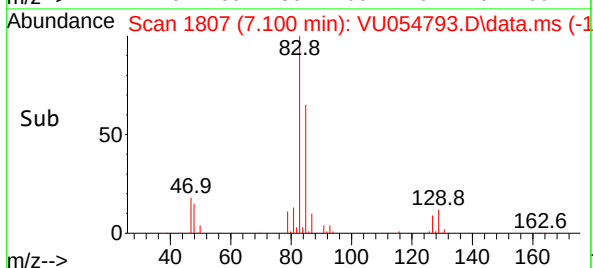
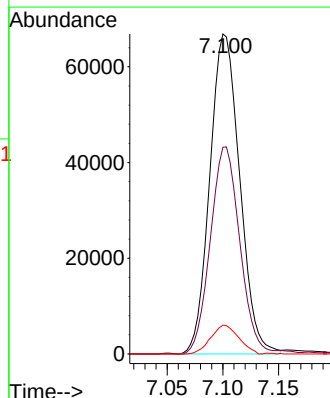
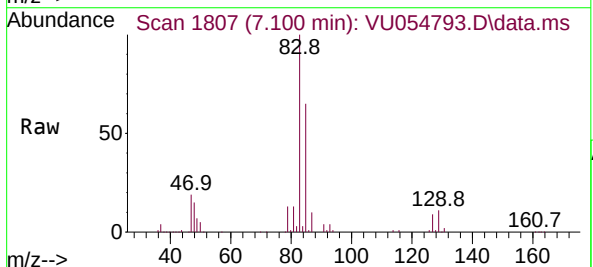
Tgt Ion: 83 Resp: 124961

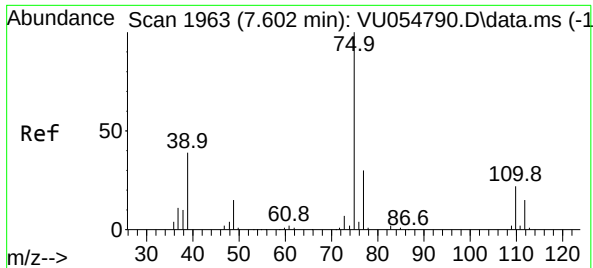
Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.3

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 50.830 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

Instrument :

MSVOA_U

ClientSampleId :

VICV034

Tgt Ion: 75 Resp: 15829

Ion Ratio Lower Upper

75 100

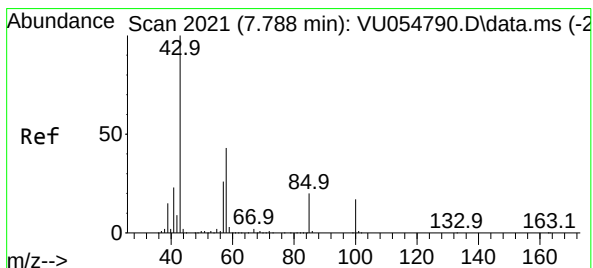
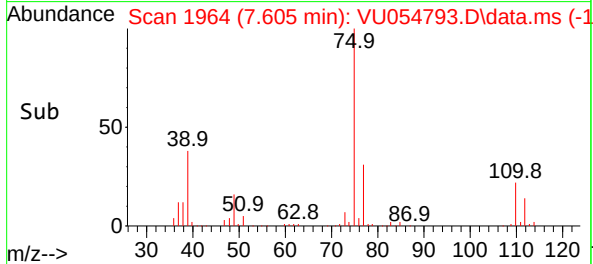
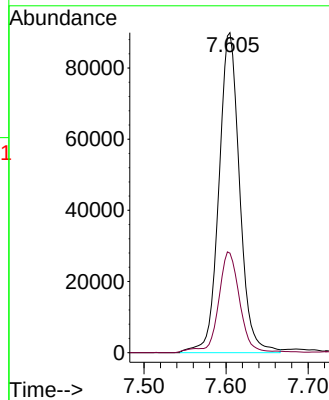
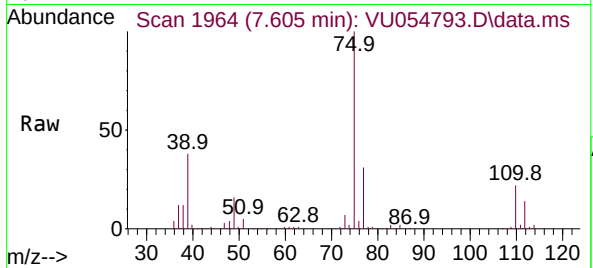
77 31.1 21.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#40

4-Methyl-2-pentanone

Concen: 101.637 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

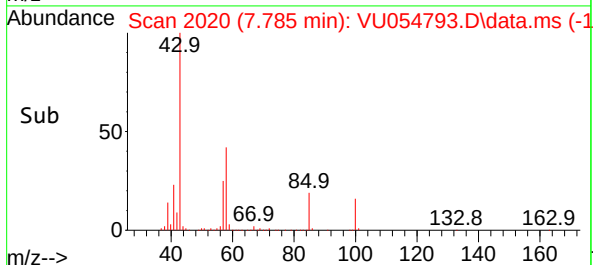
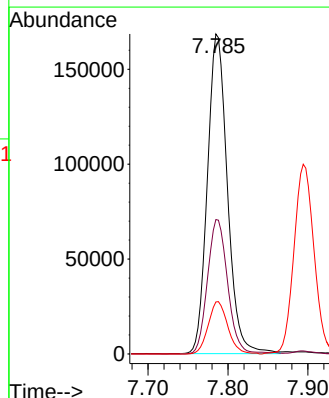
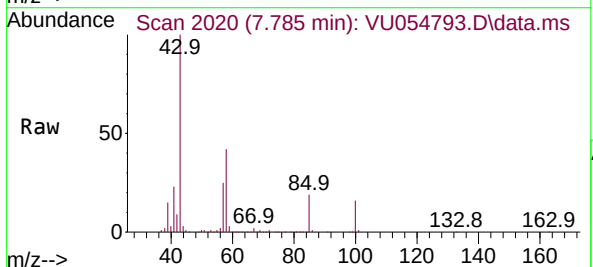
Tgt Ion: 43 Resp: 293860

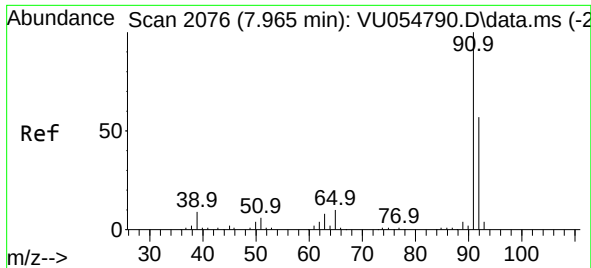
Ion Ratio Lower Upper

43 100

58 42.3 33.7 50.5

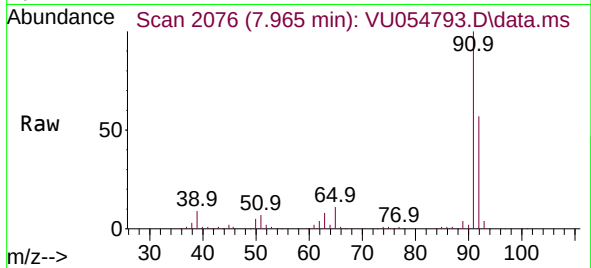
100 16.0 13.0 19.4





#42
Toluene
Concen: 48.894 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

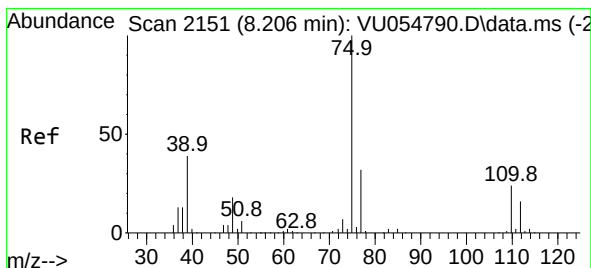
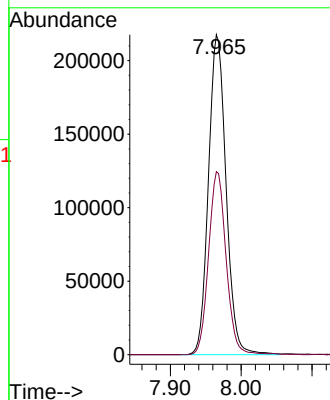
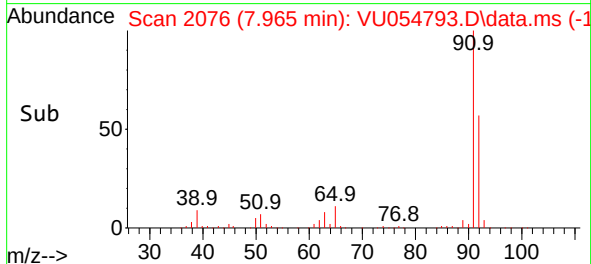
Instrument :
MSVOA_U
ClientSampleId :
VICV034



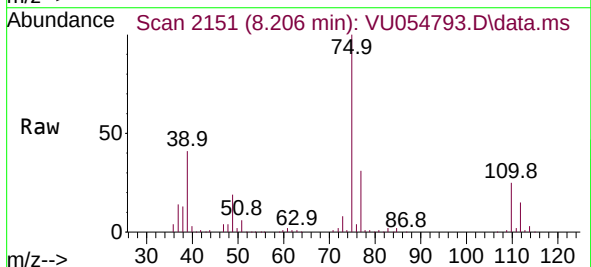
Tgt Ion: 91 Resp: 375639
Ion Ratio Lower Upper
91 100
92 57.2 40.1 74.5

Manual Integrations
APPROVED

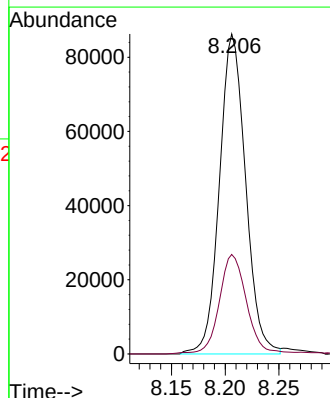
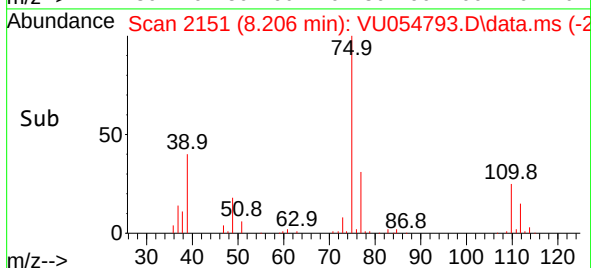
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

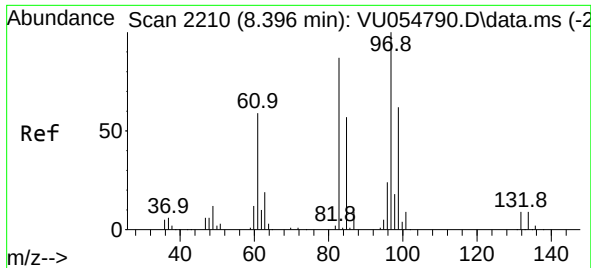


#44
trans-1,3-Dichloropropene
Concen: 49.880 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14



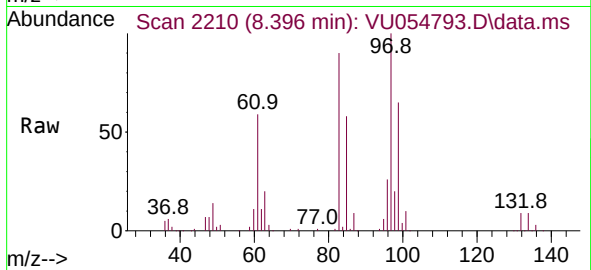
Tgt Ion: 75 Resp: 145946
Ion Ratio Lower Upper
75 100
77 31.1 22.7 42.1





#45
1,1,2-Trichloroethane
Concen: 50.117 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

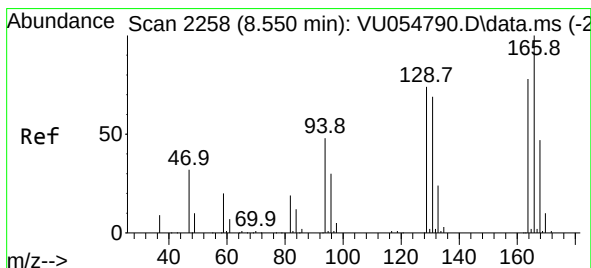
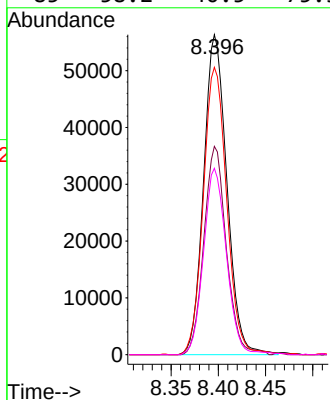
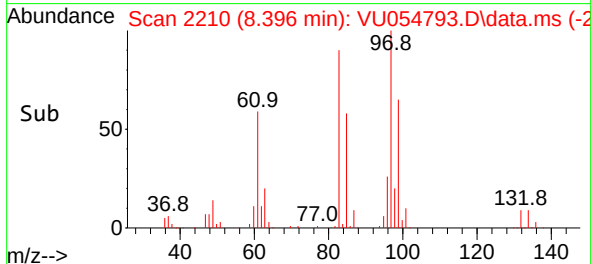
Instrument :
MSVOA_U
ClientSampleId :
VICV034



Tgt Ion: 97	Resp: 9648
Ion Ratio	Lower Upper
97 100	
99 65.1	43.3 80.5
83 89.8	60.6 112.6
85 58.2	40.5 75.3

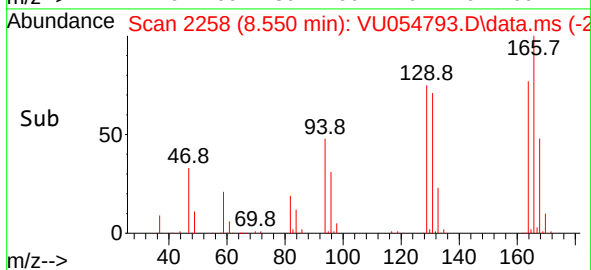
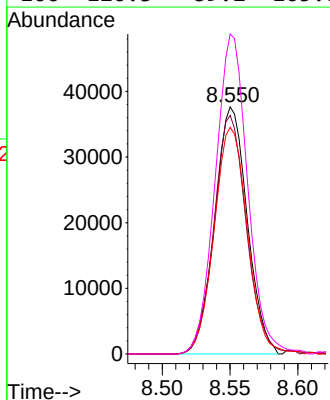
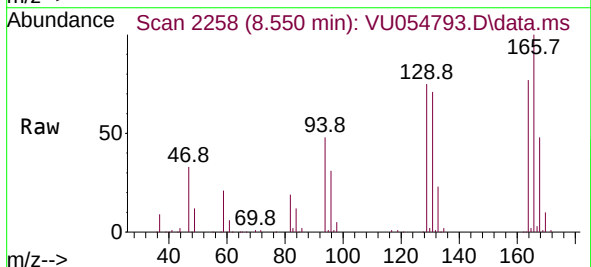
Manual Integrations
APPROVED

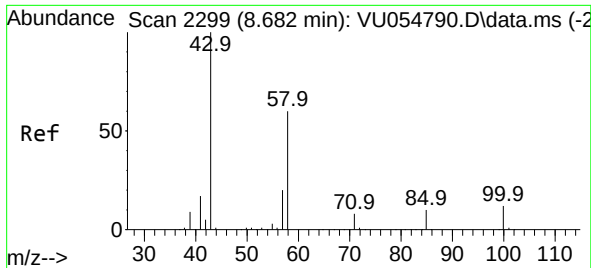
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#46
Tetrachloroethene
Concen: 46.742 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

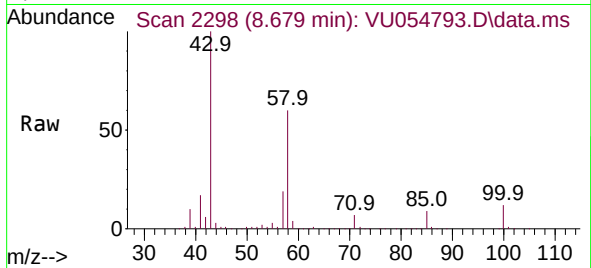
Tgt	Ion:164	Resp:	62627
Ion	Ratio	Lower	Upper
164	100		
129	94.2	66.2	123.0
131	89.4	61.9	115.1
166	126.3	89.2	165.8





#48
2-Hexanone
Concen: 101.750 ug/L
RT: 8.679 min Scan# 2299
Delta R.T. -0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

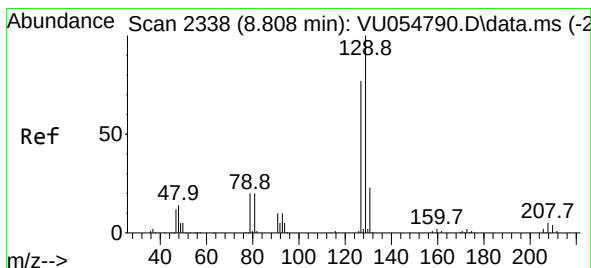
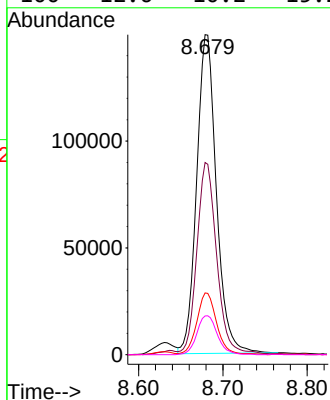
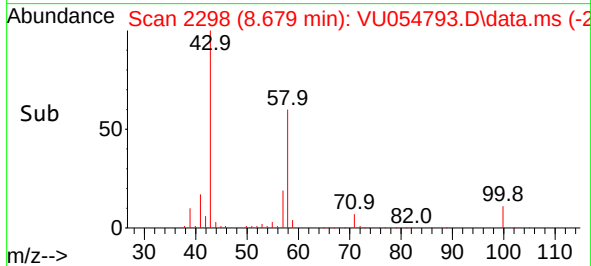
Instrument :
MSVOA_U
ClientSampleId :
VICV034



Tgt Ion: 43 Resp: 24371
Ion Ratio Lower Upper
43 100
58 59.8 46.5 69.7
57 19.6 15.4 23.2
100 12.6 10.2 15.2

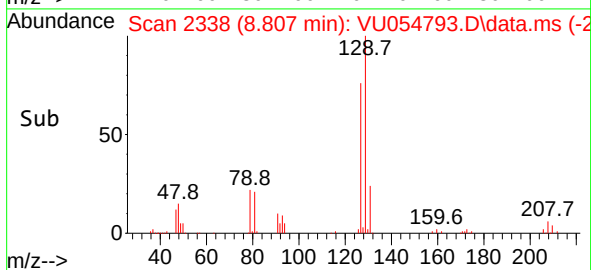
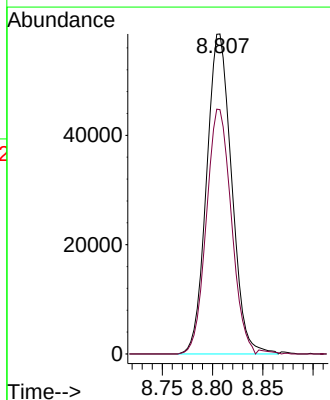
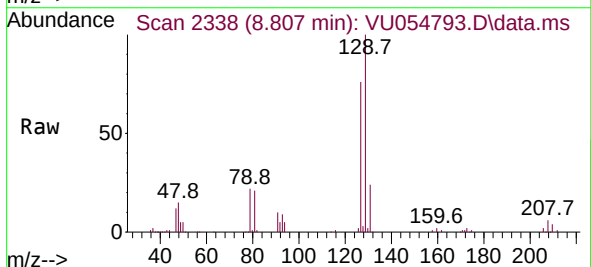
Manual Integrations
APPROVED

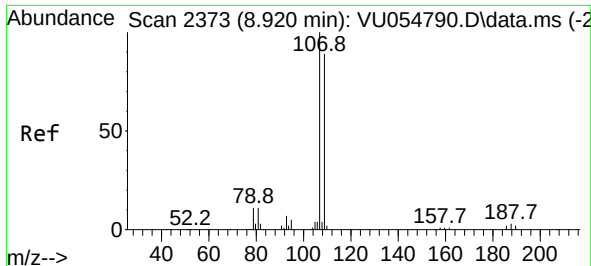
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#49
Dibromochloromethane
Concen: 51.173 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

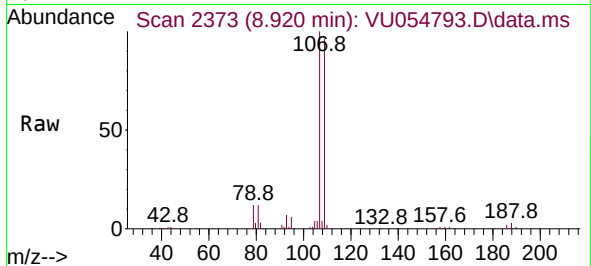
Tgt Ion:129 Resp: 101471
Ion Ratio Lower Upper
129 100
127 79.2 54.4 101.0





#50
1,2-Dibromoethane
Concen: 48.875 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

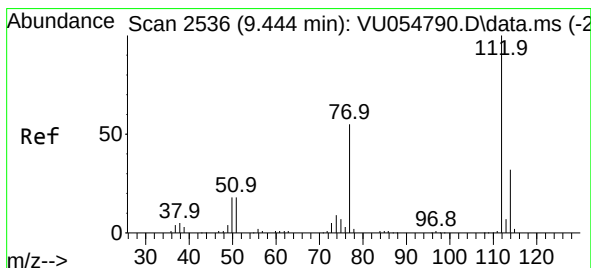
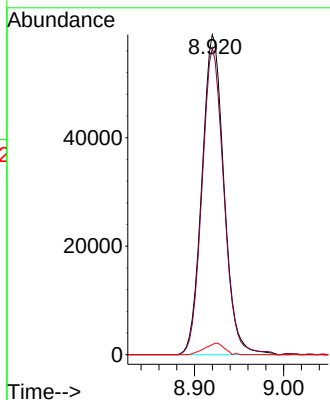
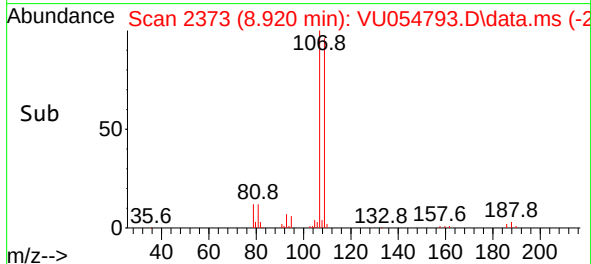
Instrument :
MSVOA_U
ClientSampleId :
VICV034



Tgt Ion:107 Resp: 10127
Ion Ratio Lower Upper
107 100
109 95.9 62.5 116.1
188 3.1 2.6 4.0

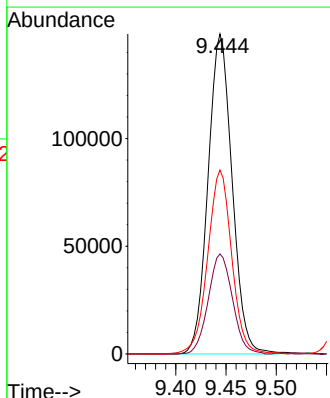
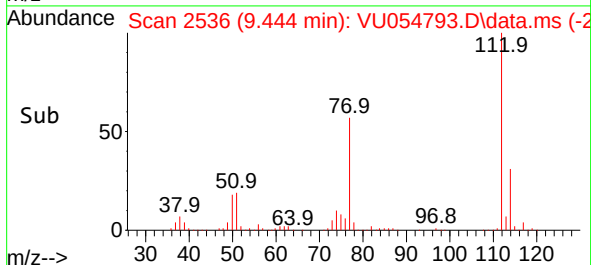
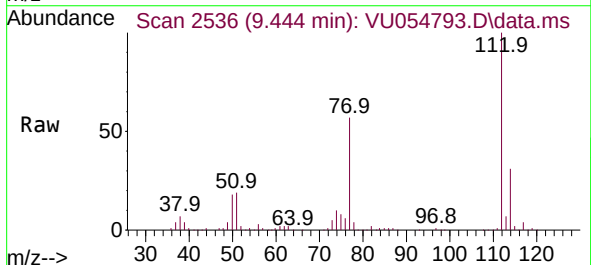
Manual Integrations
APPROVED

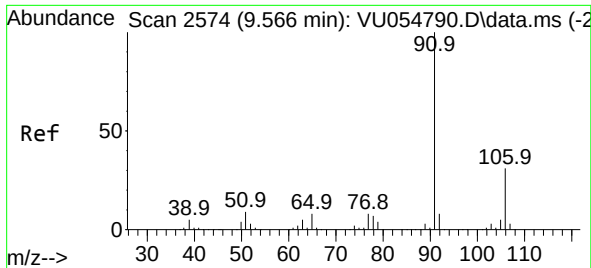
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#51
Chlorobenzene
Concen: 49.518 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Tgt Ion:112 Resp: 247496
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.5
77 57.4 44.2 66.4





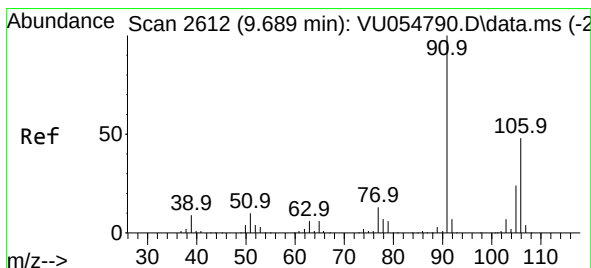
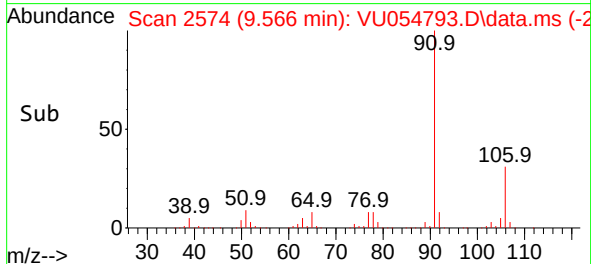
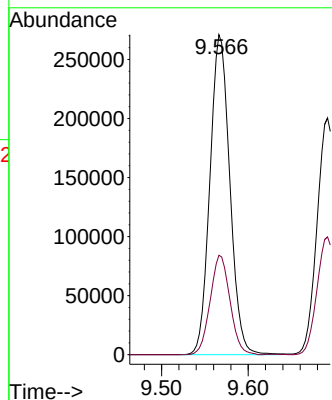
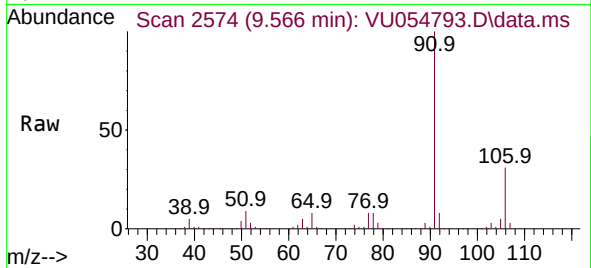
#52
Ethylbenzene
Concen: 48.673 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Instrument :
MSVOA_U
ClientSampleId :
VICV034

Tgt Ion: 91 Resp: 432329
Ion Ratio Lower Upper
91 100
106 33.7 23.5 43.7

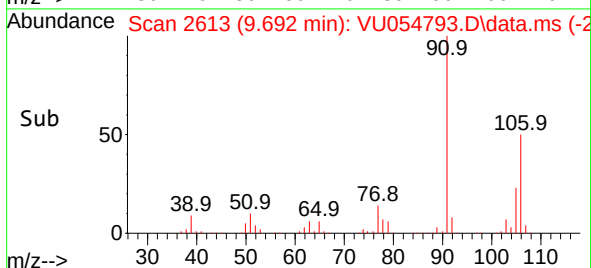
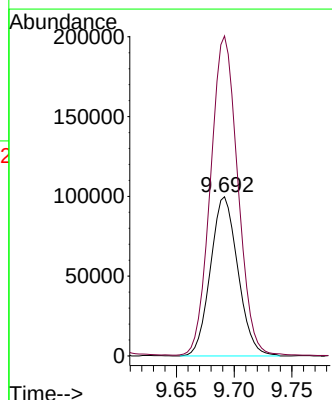
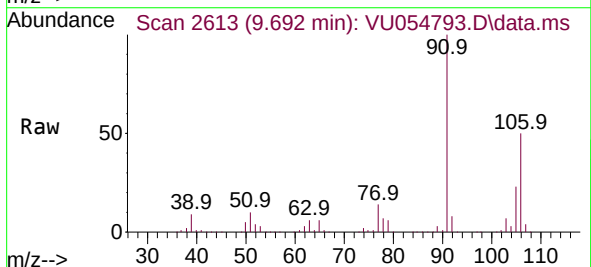
Manual Integrations
APPROVED

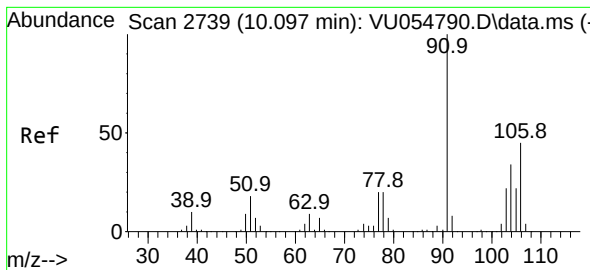
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#53
m,p-Xylene
Concen: 48.755 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Tgt Ion:106 Resp: 164880
Ion Ratio Lower Upper
106 100
91 184.9 133.3 247.7





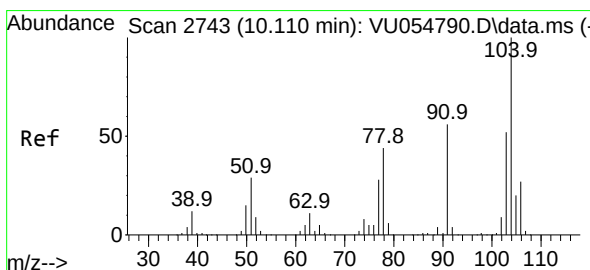
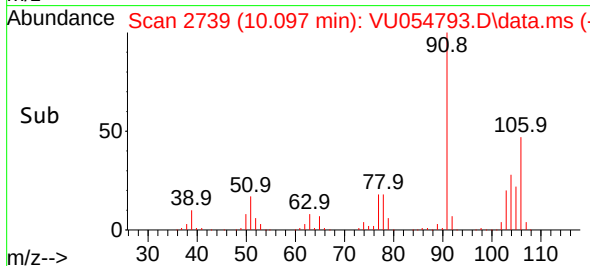
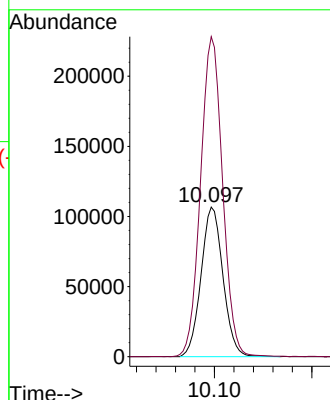
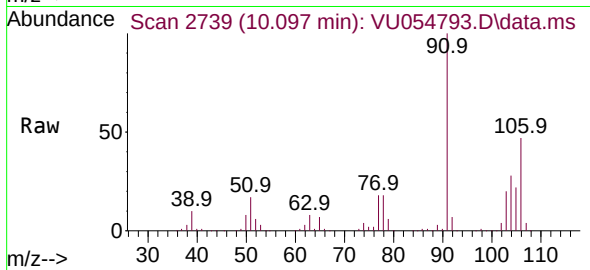
#54
o-Xylene
Concen: 48.576 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Instrument :
MSVOA_U
ClientSampleId :
VICV034

Tgt Ion:106 Resp: 16688
Ion Ratio Lower Upper
106 100
91 214.0 142.0 263.8

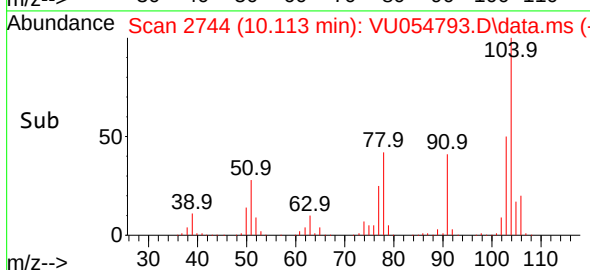
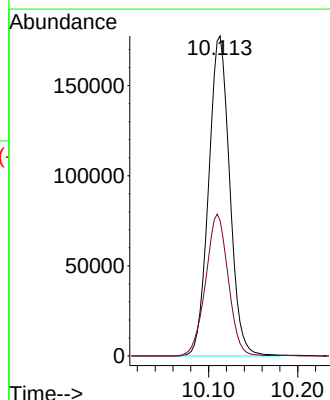
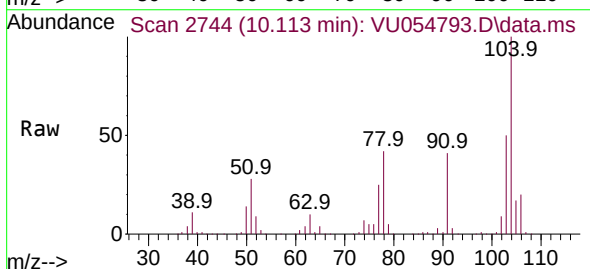
Manual Integrations
APPROVED

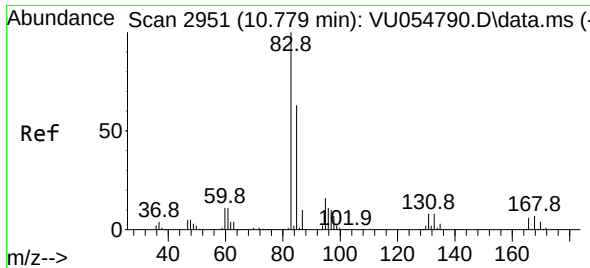
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#55
Styrene
Concen: 48.725 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

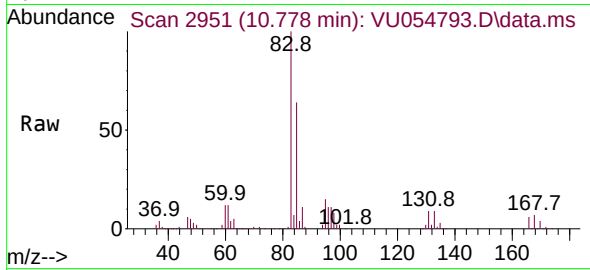
Tgt Ion:104 Resp: 291542
Ion Ratio Lower Upper
104 100
78 42.3 30.7 57.1





#57
1,1,2,2-Tetrachloroethane
Concen: 47.846 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

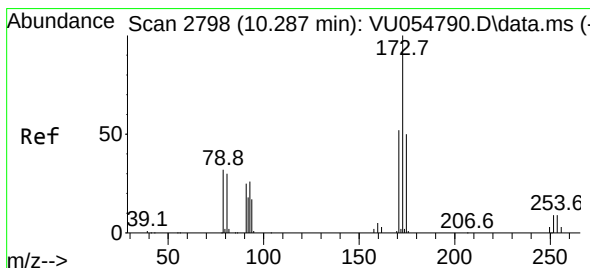
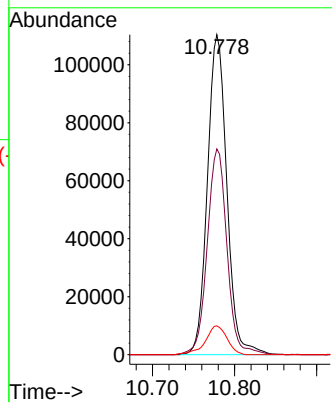
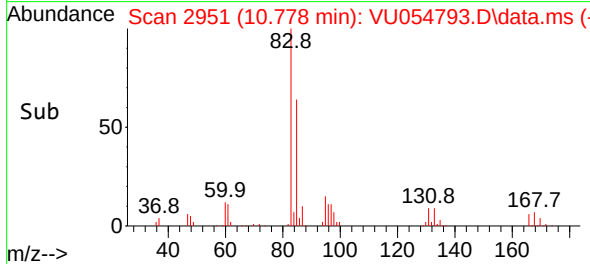
Instrument :
MSVOA_U
ClientSampleId :
VICV034



Tgt Ion: 83 Resp: 181852
Ion Ratio Lower Upper
83 100
85 64.3 43.8 81.4
131 9.0 8.7 13.1

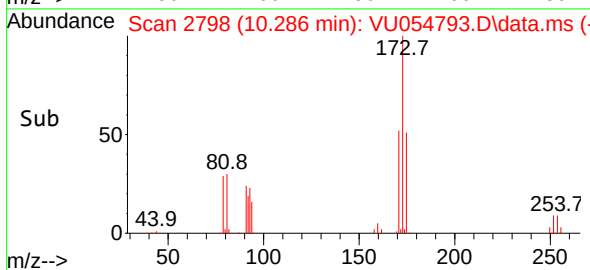
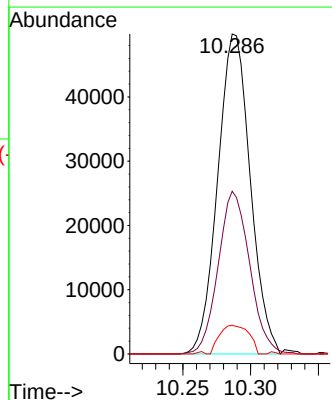
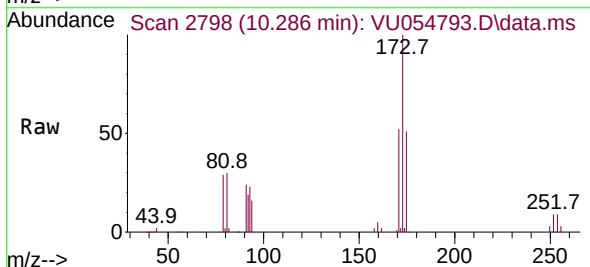
Manual Integrations
APPROVED

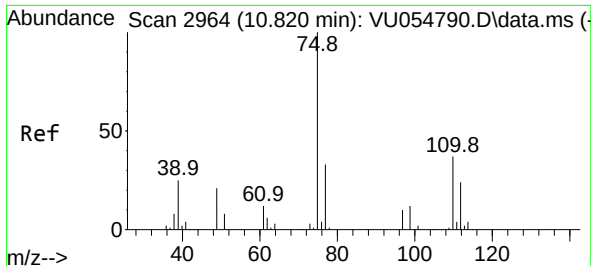
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#59
Bromoform
Concen: 50.481 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Tgt Ion:173 Resp: 83201
Ion Ratio Lower Upper
173 100
175 49.2 38.8 58.2
254 8.1 2.4 3.6#





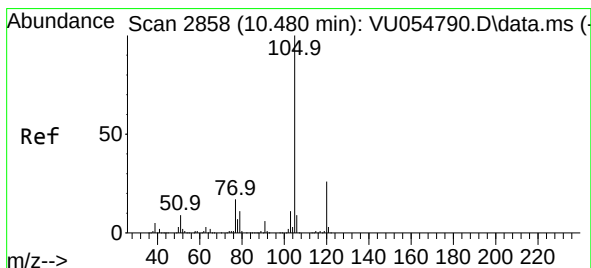
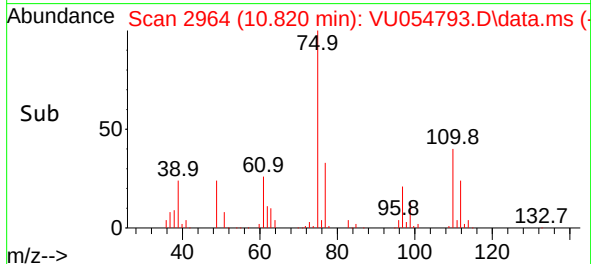
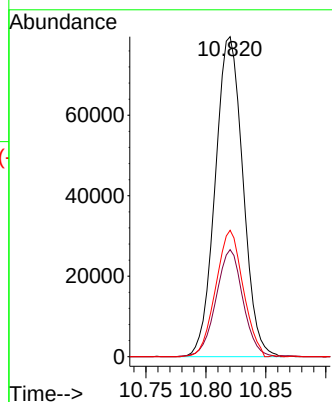
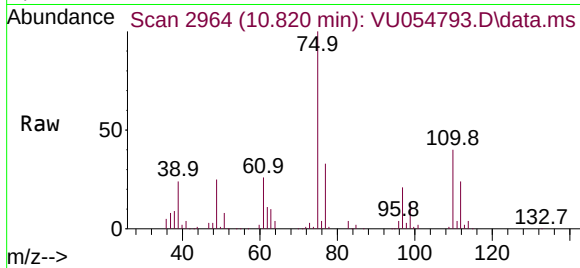
#60
1,2,3-Trichloropropane
Concen: 49.660 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Instrument :
MSVOA_U
ClientSampleId :
VICV034

Tgt Ion: 75 Resp: 127680
Ion Ratio Lower Upper
75 100
77 32.5 26.2 39.4
110 39.1 29.9 44.9

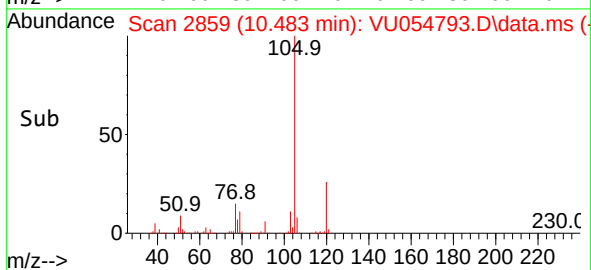
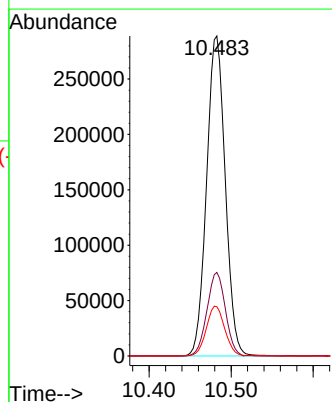
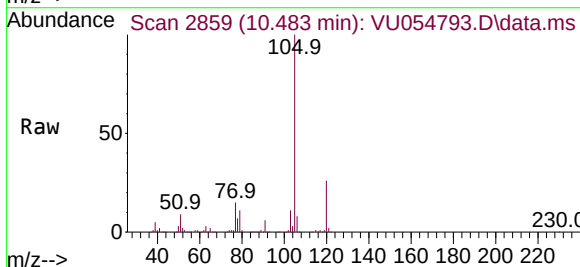
Manual Integrations
APPROVED

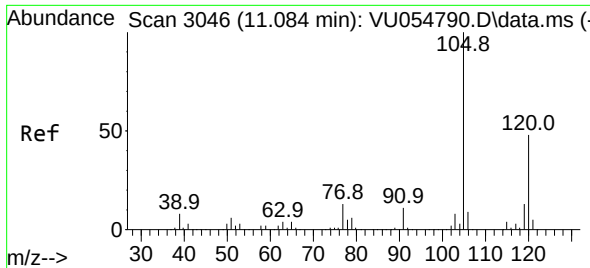
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#61
Isopropylbenzene
Concen: 52.396 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

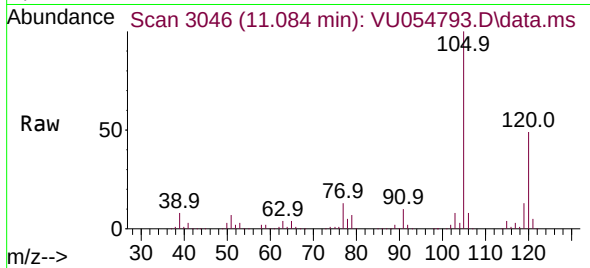
Tgt Ion:105 Resp: 456164
Ion Ratio Lower Upper
105 100
120 25.8 21.4 32.0
77 15.4 12.8 19.2





#62
1,3,5-Trimethylbenzene
Concen: 50.873 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

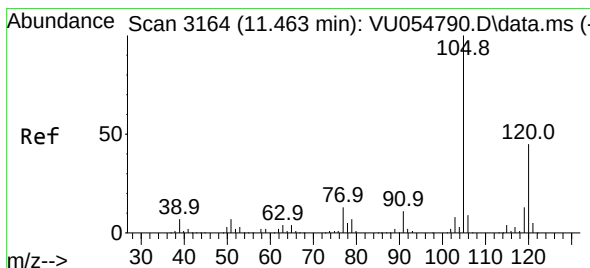
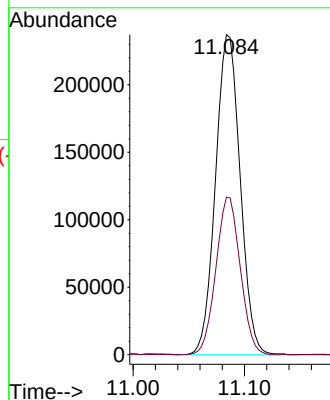
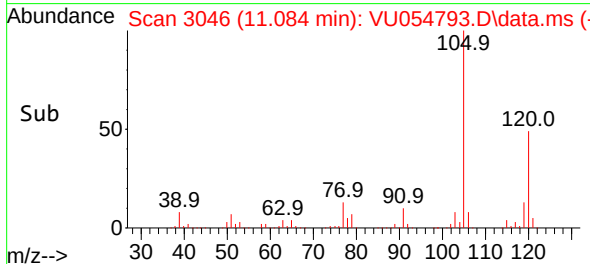
Instrument :
MSVOA_U
ClientSampleId :
VICV034



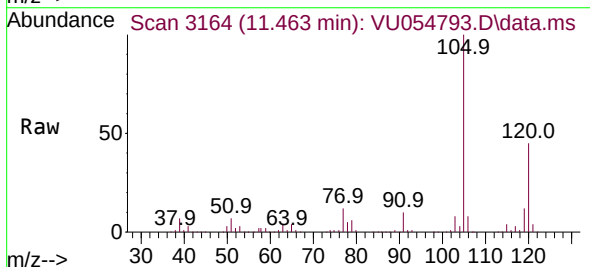
Tgt Ion:105 Resp: 364752
Ion Ratio Lower Upper
105 100
120 48.6 38.0 57.0

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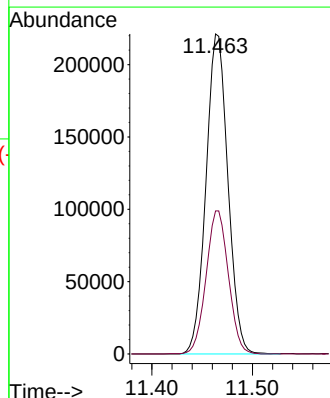
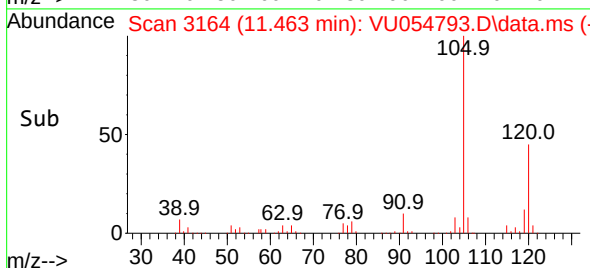
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

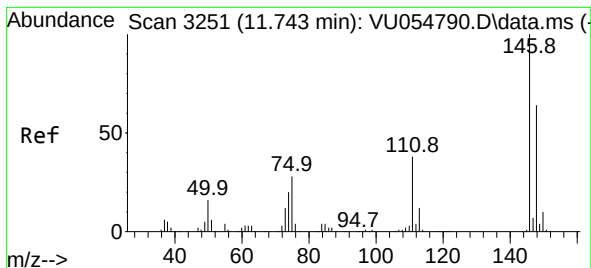


#63
1,2,4-Trimethylbenzene
Concen: 47.090 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14



Tgt Ion:105 Resp: 334659
Ion Ratio Lower Upper
105 100
120 45.5 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 51.107 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. -0.000 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

Instrument :

MSVOA_U

ClientSampleId :

VICV034

Tgt Ion:146 Resp: 20635

Ion Ratio Lower Upper

146 100

111 36.4 25.2 46.8

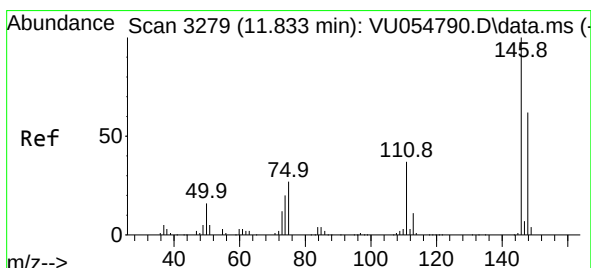
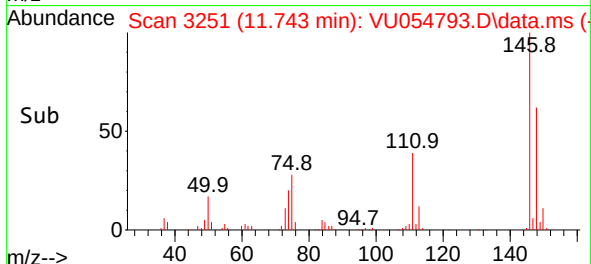
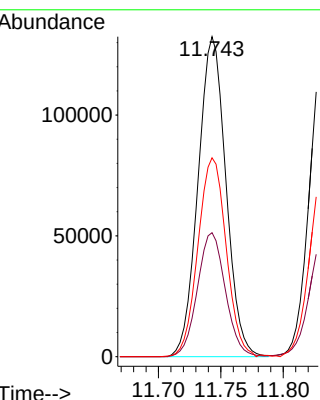
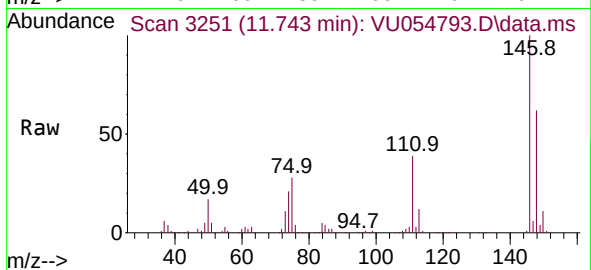
148 58.4 44.4 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#65

1,4-Dichlorobenzene

Concen: 51.469 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

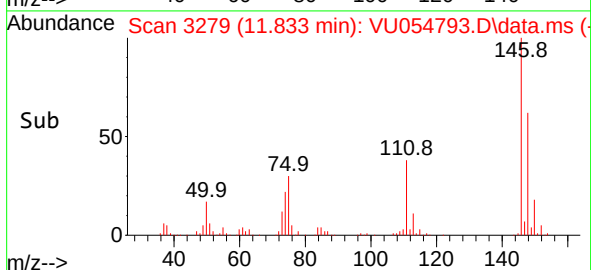
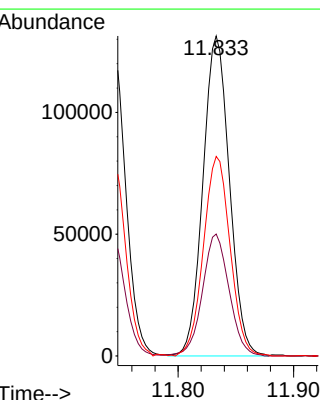
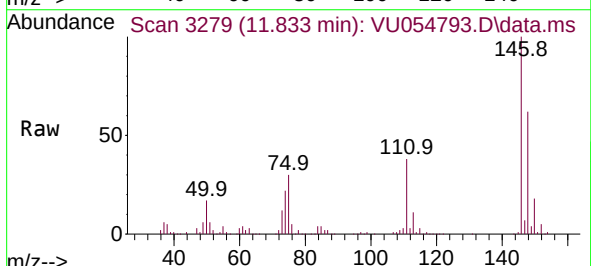
Tgt Ion:146 Resp: 209317

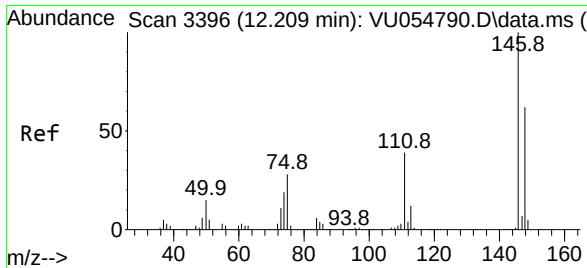
Ion Ratio Lower Upper

146 100

111 38.1 24.1 44.8

148 62.3 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 51.633 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

Instrument :

MSVOA_U

ClientSampleId :

VICV034

Tgt Ion:146 Resp: 209424

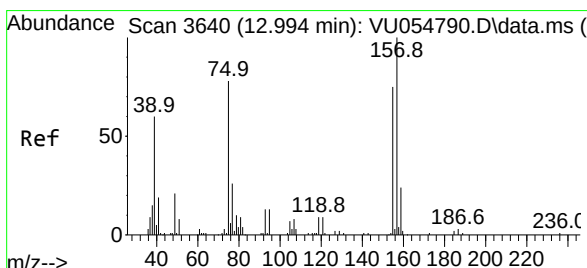
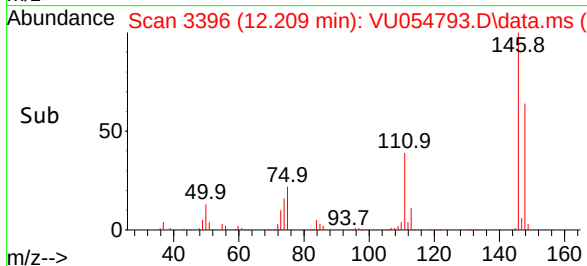
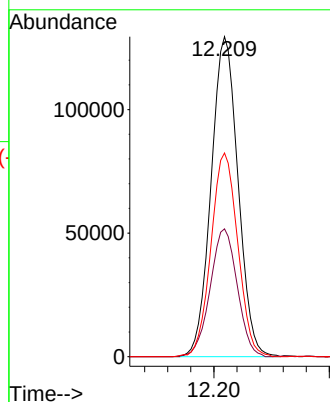
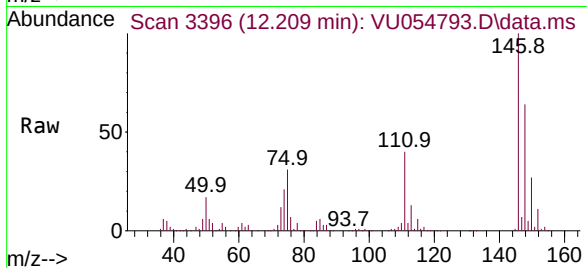
Ion	Ratio	Lower	Upper
146	100		
111	37.4	31.5	47.3
148	64.4	53.5	80.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 52.433 ug/L

RT: 12.994 min Scan# 3640

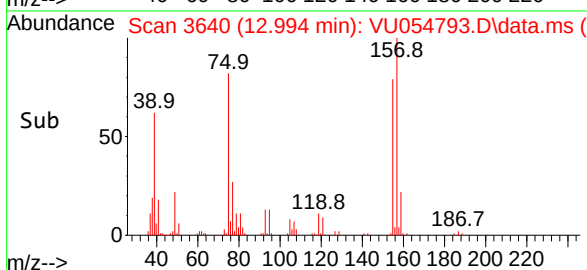
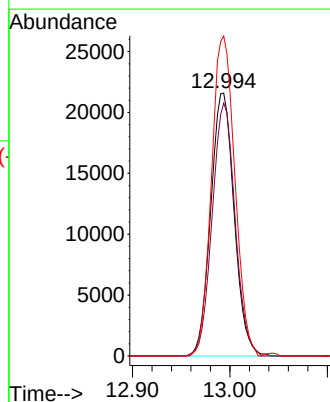
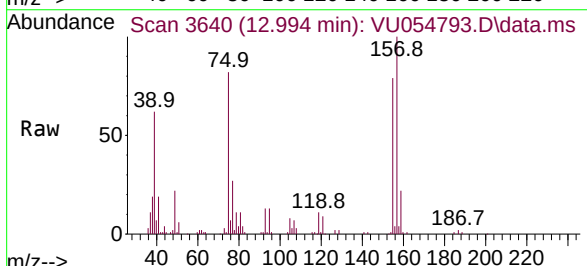
Delta R.T. -0.000 min

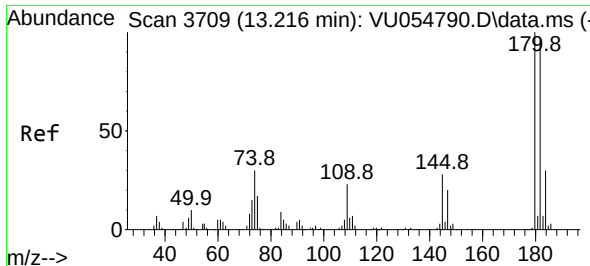
Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

Tgt Ion: 75 Resp: 36031

Ion	Ratio	Lower	Upper
75	100		
155	100.8	80.6	121.0
157	126.8	106.5	159.7





#69

1,3,5-Trichlorobenzene

Concen: 52.836 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

Lab File: VU054793.D

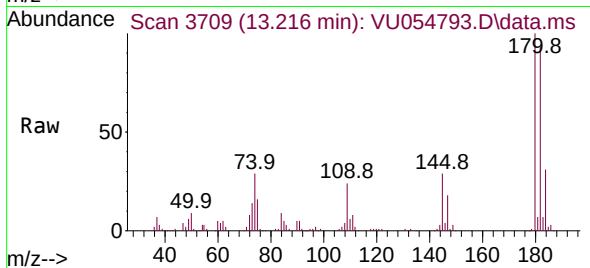
Acq: 17 Jul 2023 14:14

Instrument :

MSVOA_U

ClientSampleId :

VICV034



Tgt Ion:180 Resp: 143008

Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

184 30.0 23.4 35.0

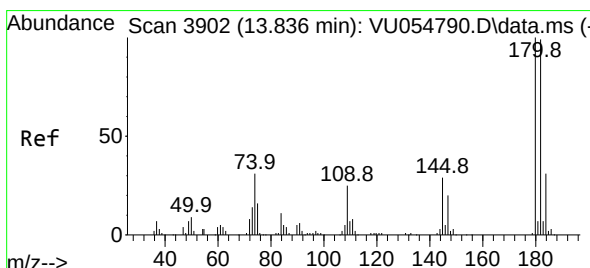
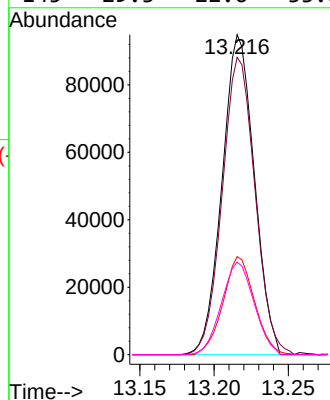
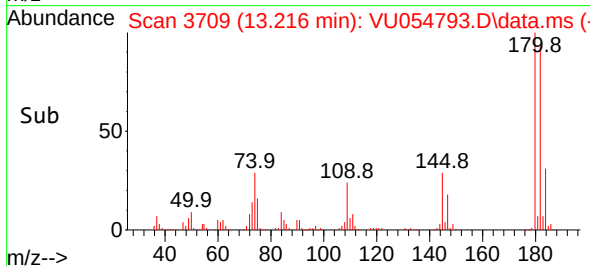
145 29.3 22.6 33.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#70

1,2,4-trichlorobenzene

Concen: 57.017 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU054793.D

Acq: 17 Jul 2023 14:14

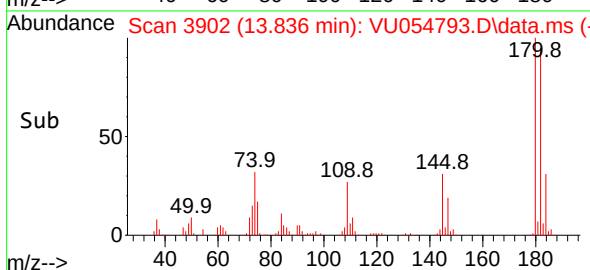
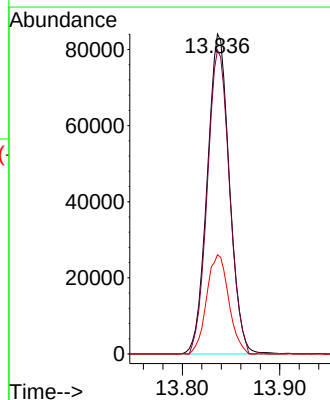
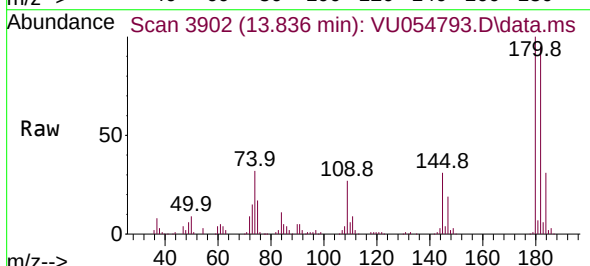
Tgt Ion:180 Resp: 133231

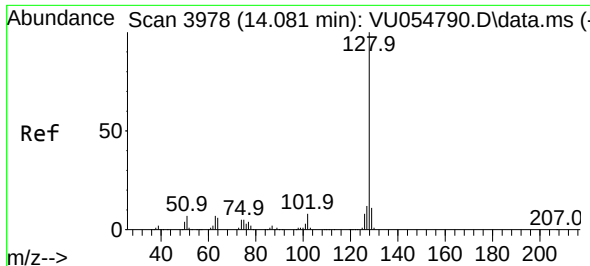
Ion Ratio Lower Upper

180 100

182 94.4 76.8 115.2

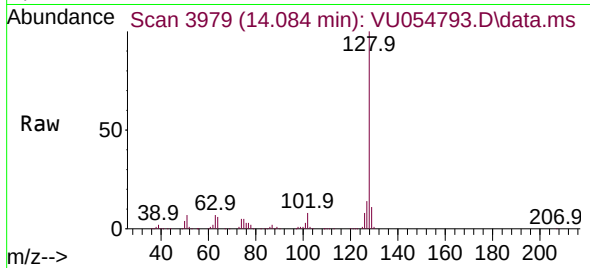
145 30.7 23.0 34.6





#71
Naphthalene
Concen: 55.826 ug/L
RT: 14.084 min Scan# 3978
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

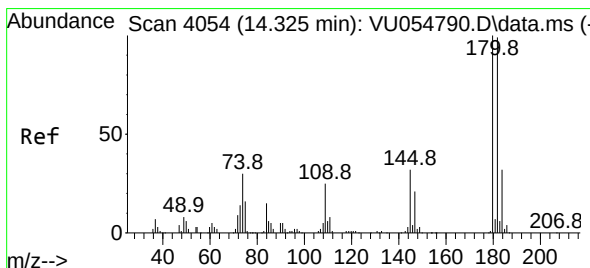
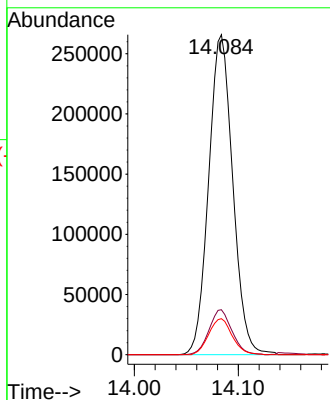
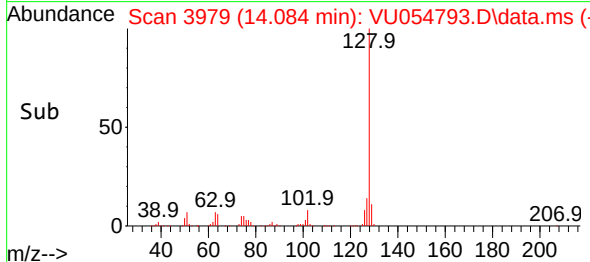
Instrument :
MSVOA_U
ClientSampleId :
VICV034



Tgt Ion:128 Resp: 42815
Ion Ratio Lower Upper
128 100
127 13.4 10.0 15.0
129 11.0 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#72
1,2,3-Trichlorobenzene
Concen: 57.676 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU054793.D
Acq: 17 Jul 2023 14:14

Tgt Ion:180 Resp: 131238
Ion Ratio Lower Upper
180 100
182 96.3 76.6 115.0
145 31.9 25.4 38.2

