

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054788.D
 Acq On : 17 Jul 2023 09:50
 Operator : MD/SY
 Sample : VSTD00529
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005029

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 05:32:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	239707	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.416	117	221824	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	120091	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	9225	4.979	ug/L	0.00
7) Chloroethane-d5	1.882	69	7548	4.073	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	12353	4.648	ug/L	0.00
21) 2-Butanone-d5	4.631	46	10841m	9.104	ug/L	0.02
24) Chloroform-d	5.059	84	14345	4.974	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	8387	4.856	ug/L	0.00
32) Benzene-d6	5.724	84	27032	5.116	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.686	67	9657	5.428	ug/L	0.00
41) Toluene-d8	7.898	98	26188	5.201	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	4906	5.390	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	7610	9.048	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.756	84	16082	4.921	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.194	152	10098	4.893	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.381	85	8183	4.517	ug/L	94
3) Chloromethane	1.519	50	9301	4.502	ug/L	95
5) Vinyl chloride	1.602	62	11506	4.283	ug/L	96
6) Bromomethane	1.827	94	7861	4.808	ug/L	99
8) Chloroethane	1.905	64	8546	4.599	ug/L	98
9) Trichlorofluoromethane	2.120	101	17921	4.168	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	6611	4.168	ug/L #	71
12) 1,1-Dichloroethene	2.570	96	6238	4.182	ug/L	86
13) Acetone	2.622	43	10416	10.399	ug/L	95
14) Carbon disulfide	2.786	76	18330	4.209	ug/L	95
15) Methyl Acetate	2.946	43	6546	3.918	ug/L	100
16) Methylene chloride	3.043	84	7878	4.375	ug/L	82
17) trans-1,2-Dichloroethene	3.342	96	6271	4.062	ug/L	88
18) Methyl tert-butyl Ether	3.361	73	22080	4.133	ug/L #	84
19) 1,1-Dichloroethane	3.863	63	11704	3.973	ug/L #	95
20) cis-1,2-Dichloroethene	4.663	96	7522	4.099	ug/L	94
22) 2-Butanone	4.712	43	13082m	9.564	ug/L	
23) Bromochloromethane	4.975	128	3885	4.162	ug/L	90
25) Chloroform	5.078	83	12863	4.164	ug/L	98
27) 1,2-Dichloroethane	5.795	62	9211	3.926	ug/L #	90
29) Cyclohexane	5.377	56	11299	4.632	ug/L	97
30) 1,1,1-Trichloroethane	5.310	97	10980	4.460	ug/L	98
31) Carbon tetrachloride	5.519	117	8989	4.228	ug/L	95
33) Benzene	5.769	78	27073	4.260	ug/L	100
34) Trichloroethene	6.538	95	6922	4.279	ug/L	92
35) Methylcyclohexane	6.757	83	11946	4.518	ug/L	99
37) 1,2-Dichloropropane	6.785	63	7783	4.453	ug/L #	88
38) Bromodichloromethane	7.104	83	9872	4.402	ug/L #	91
39) cis-1,3-Dichloropropene	7.605	75	12868	4.464	ug/L	89
40) 4-Methyl-2-pentanone	7.792	43	22431	8.381	ug/L	97
42) Toluene	7.969	91	30377	4.271	ug/L	98
44) trans-1,3-Dichloropropene	8.210	75	11400	4.209	ug/L	98

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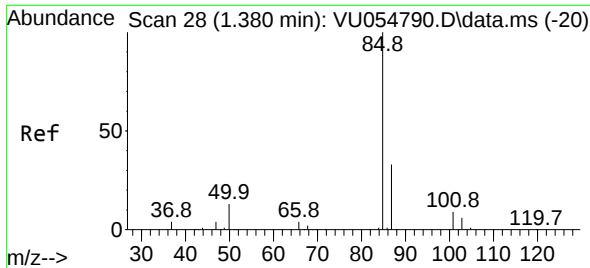
Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

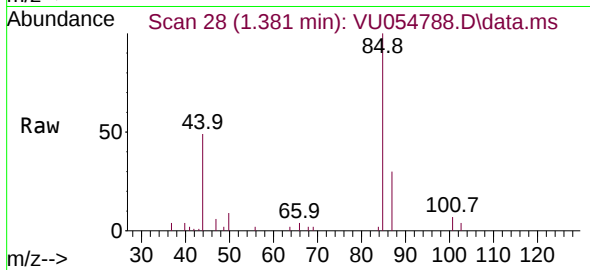
45) 1,1,2-Trichloroethane	8.400	97	7758	4.353	ug/L	95
46) Tetrachloroethene	8.554	164	5320	4.289	ug/L	95
48) 2-Hexanone	8.686	43	19414m	8.975	ug/L	
49) Dibromochloromethane	8.805	129	7785	4.241	ug/L	93
50) 1,2-Dibromoethane	8.924	107	8379	4.368	ug/L	92
51) Chlorobenzene	9.444	112	20091	4.342	ug/L	93
52) Ethylbenzene	9.570	91	34007	4.136	ug/L	98
53) m,p-Xylene	9.695	106	13027	4.161	ug/L	93
54) o-Xylene	10.100	106	13383	4.208	ug/L	85
55) Styrene	10.113	104	20993	3.790	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.779	83	14842	4.218	ug/L	99
59) Bromoform	10.290	173	6461	4.301	ug/L #	41
60) 1,2,3-Trichloropropane	10.821	75	10360	4.421	ug/L	95
61) Isopropylbenzene	10.483	105	33897	4.272	ug/L	98
62) 1,3,5-Trimethylbenzene	11.088	105	26872	4.112	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	25557	3.946	ug/L	98
64) 1,3-Dichlorobenzene	11.747	146	15537	4.222	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	15446	4.167	ug/L #	85
67) 1,2-Dichlorobenzene	12.213	146	15194	4.110	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	2482	3.963	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.219	180	10410	4.220	ug/L	87
70) 1,2,4-trichlorobenzene	13.840	180	6951	3.264	ug/L #	60
71) Naphthalene	14.087	128	22827	3.266	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.332	180	7765	3.744	ug/L #	79

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



#2
 Dichlorodifluoromethane
 Concen: 4.517 ug/L
 RT: 1.381 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50

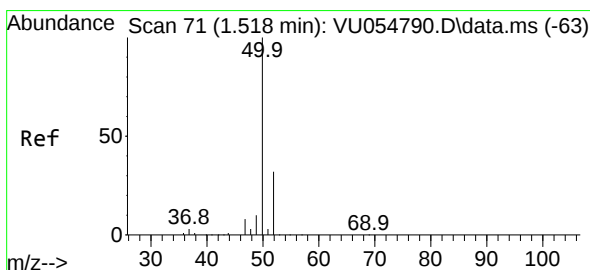
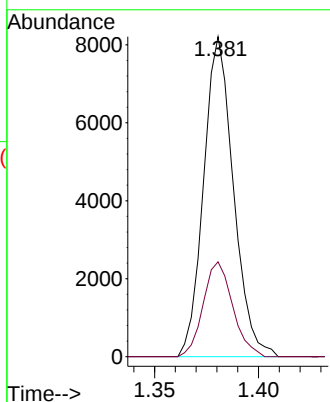
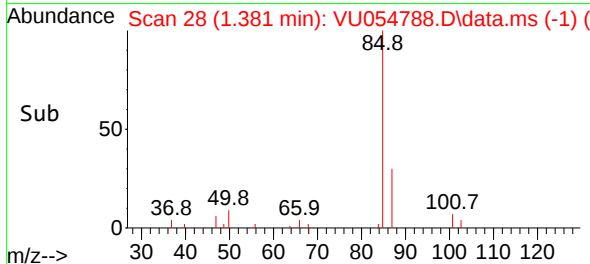
Instrument :
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 VSTD005029



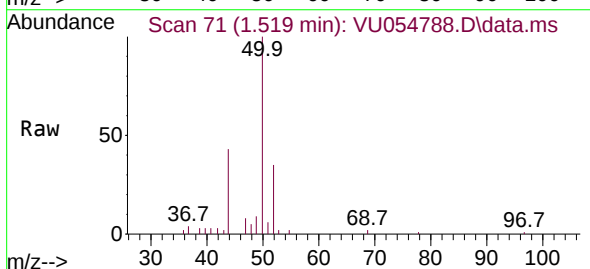
Tgt Ion: 85 Resp: 818
 Ion Ratio Lower Upper
 85 100
 87 29.3 26.2 39.2

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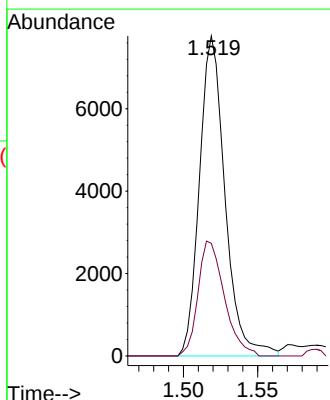
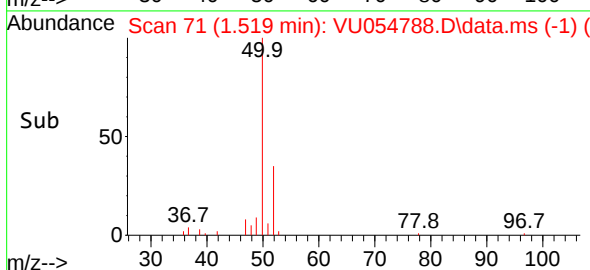
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023

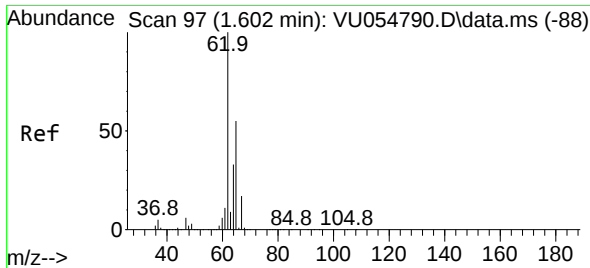


#3
 Chloromethane
 Concen: 4.502 ug/L
 RT: 1.519 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50



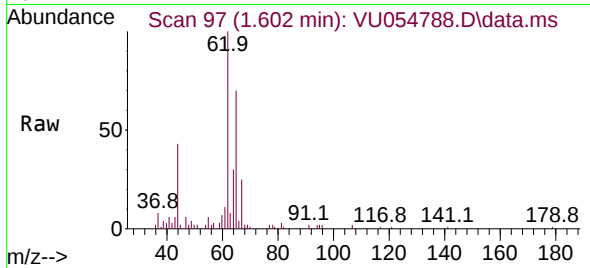
Tgt Ion: 50 Resp: 9301
 Ion Ratio Lower Upper
 50 100
 52 35.2 22.5 41.9





#5
 Vinyl chloride
 Concen: 4.283 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50

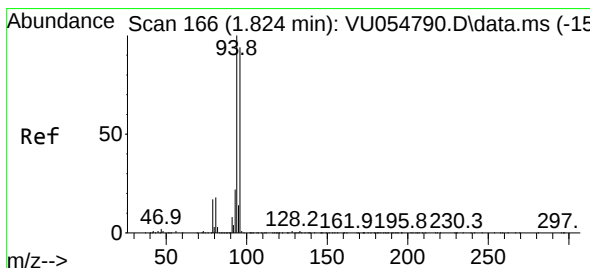
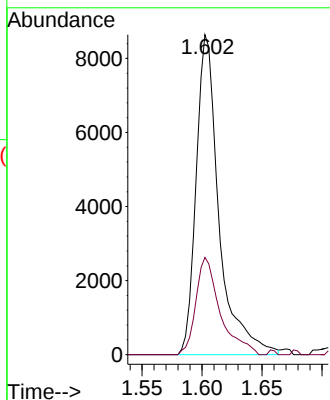
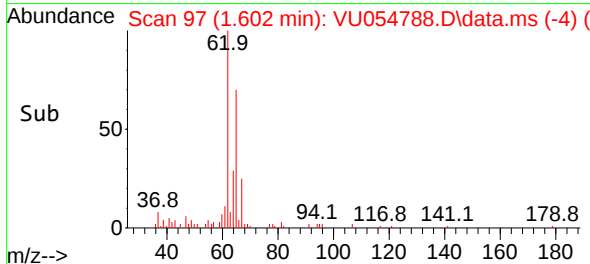
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005029



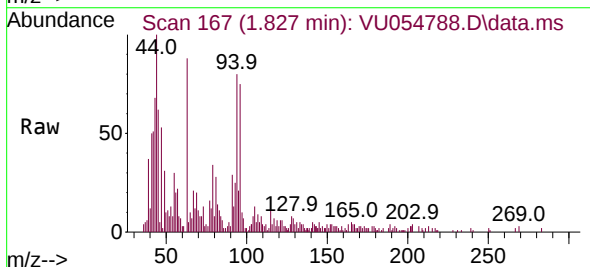
Tgt Ion: 62 Resp: 11500
 Ion Ratio Lower Upper
 62 100
 64 30.4 22.9 42.5

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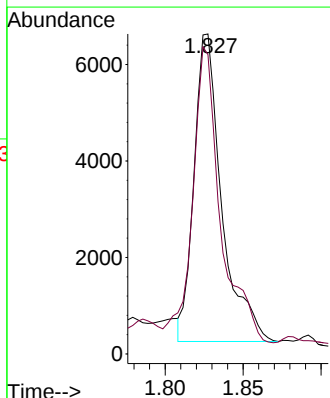
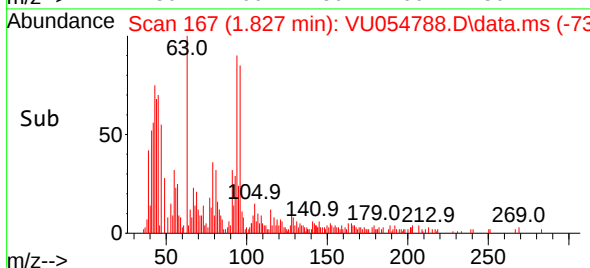
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023

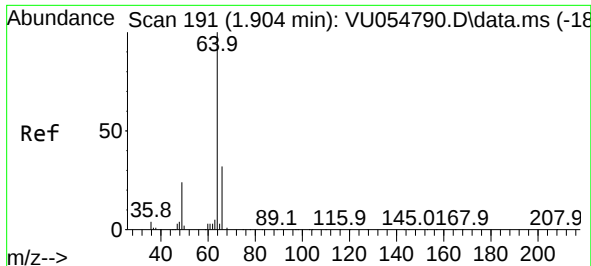


#6
 Bromomethane
 Concen: 4.808 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. 0.004 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50



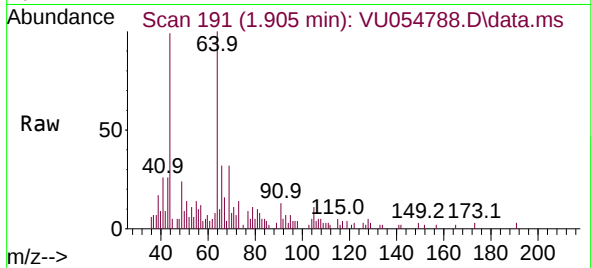
Tgt Ion: 94 Resp: 7861
 Ion Ratio Lower Upper
 94 100
 96 93.6 66.1 122.8





#8
Chloroethane
Concen: 4.599 ug/L
RT: 1.905 min Scan# 191
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

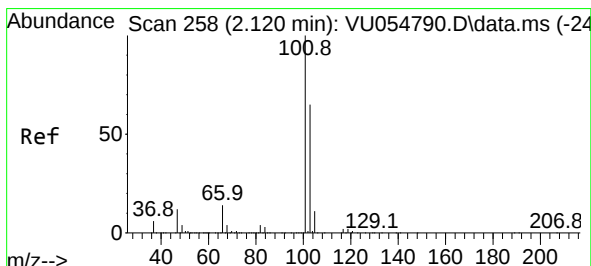
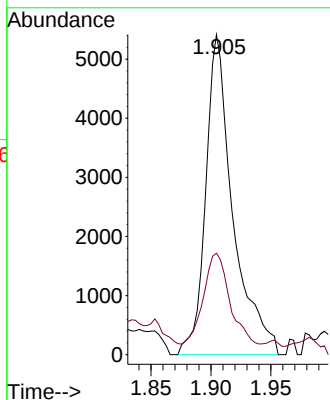
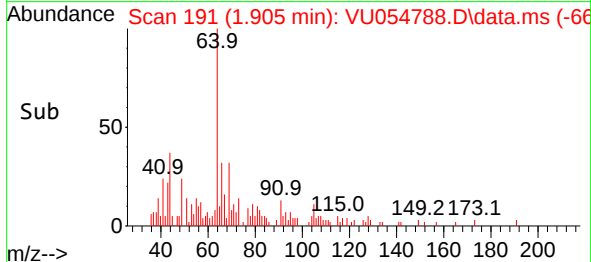
Instrument :
MSVOA_U
Client Sample Id :
VSTD005029



Tgt Ion: 64 Resp: 8540
Ion Ratio Lower Upper
64 100
66 31.7 22.8 42.4

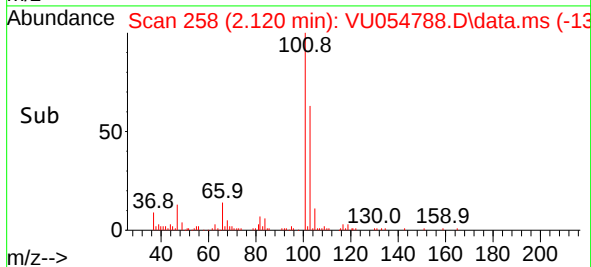
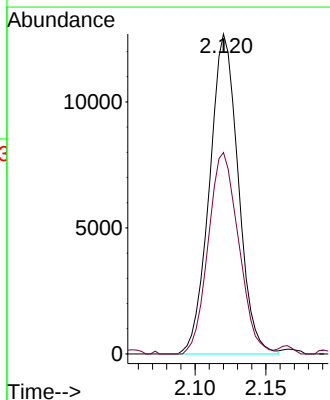
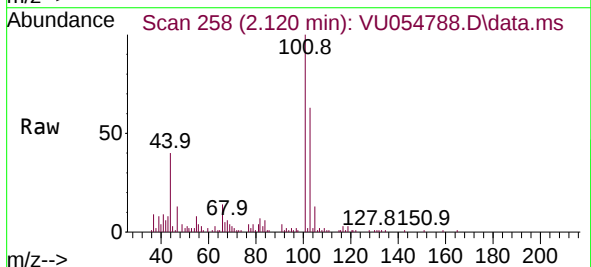
Manual Integrations
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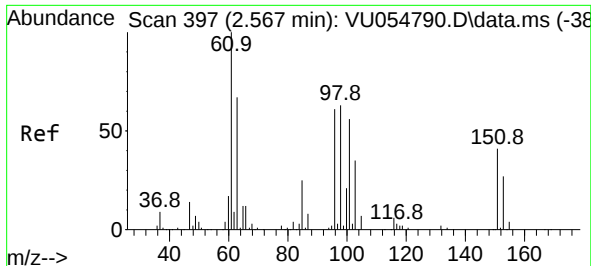
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#9
Trichlorofluoromethane
Concen: 4.168 ug/L
RT: 2.120 min Scan# 258
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:101 Resp: 17921
Ion Ratio Lower Upper
101 100
103 66.6 52.2 78.2





#10

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

Concen: 4.168 ug/L

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

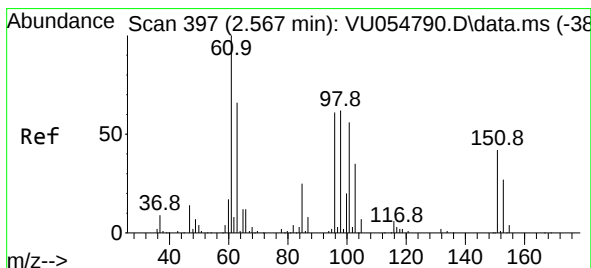
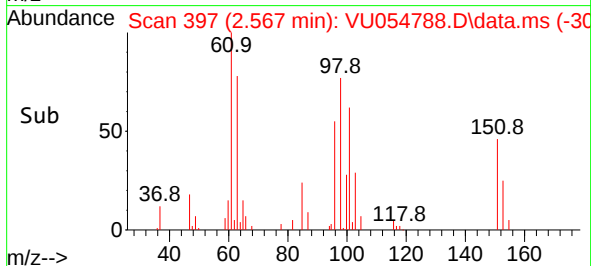
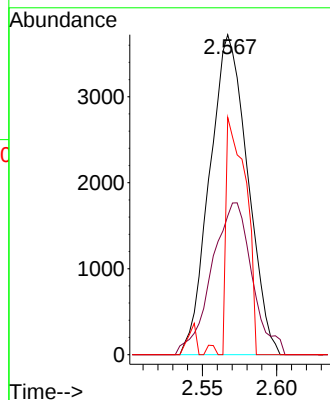
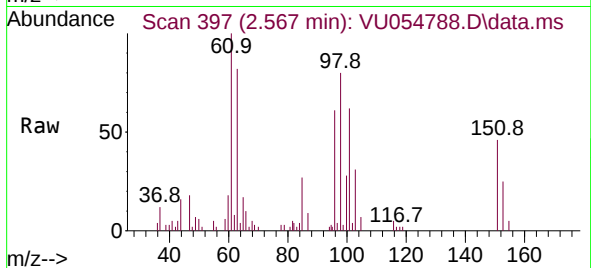
Tgt Ion:	101	Resp:	661
Ion Ratio	Lower	Upper	
101	100		
85	50.2	35.3	52.9
151	38.8	58.2	87.4

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 4.182 ug/L

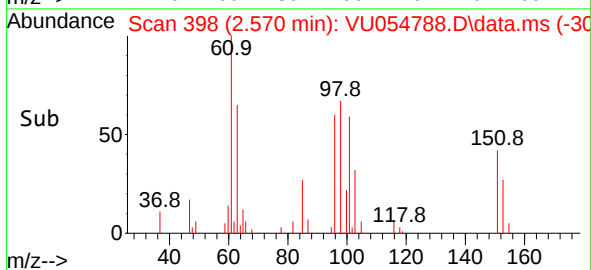
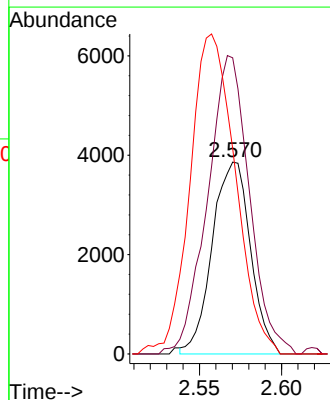
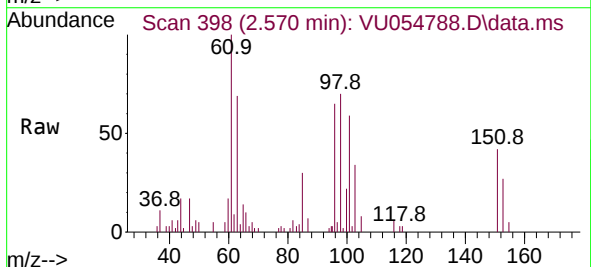
RT: 2.570 min Scan# 398

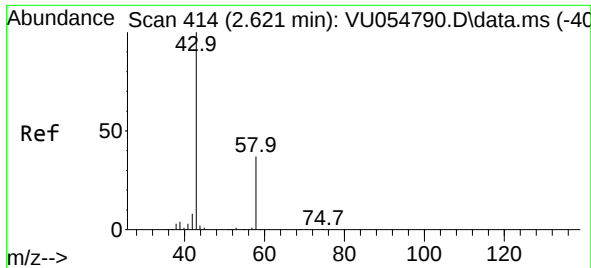
Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Tgt Ion:	96	Resp:	6238
Ion Ratio	Lower	Upper	
96	100		
61	143.0	115.0	213.6
63	99.2	77.6	144.0





#13

Acetone

Concen: 10.399 ug/L

RT: 2.622 min Scan# 41

Delta R.T. 0.000 min

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Tgt Ion: 43 Resp: 10410

Ion Ratio Lower Upper

43 100

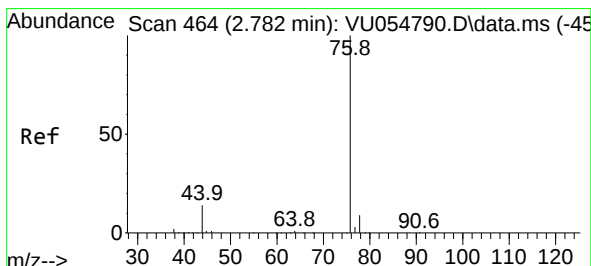
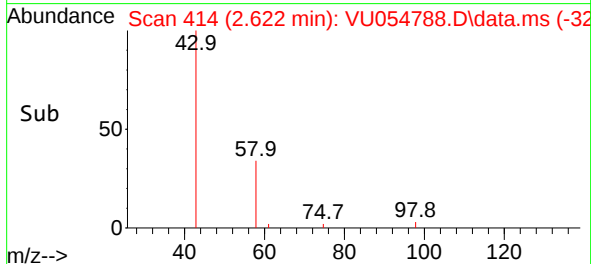
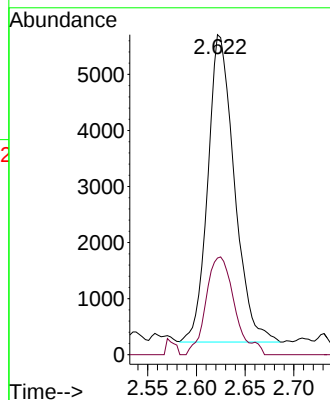
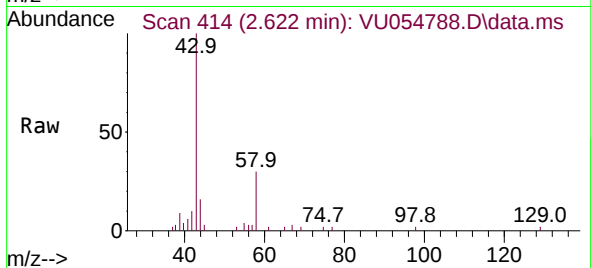
58 33.0 0.0 72.4

Manual Integrations

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Supervised By :Mahesh Dadoda 07/18/2023



#14

Carbon disulfide

Concen: 4.209 ug/L

RT: 2.786 min Scan# 465

Delta R.T. 0.004 min

Lab File: VU054788.D

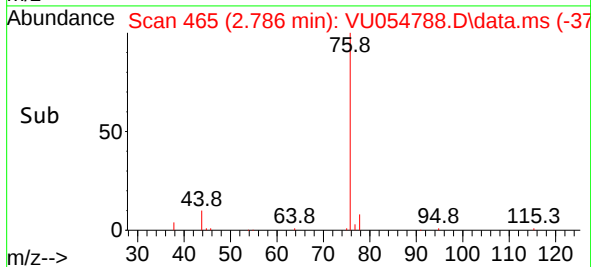
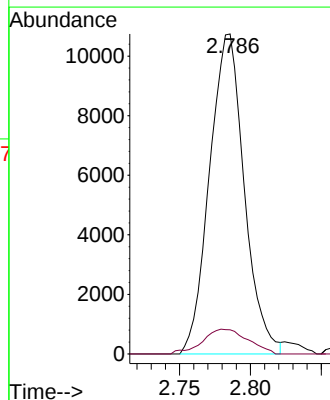
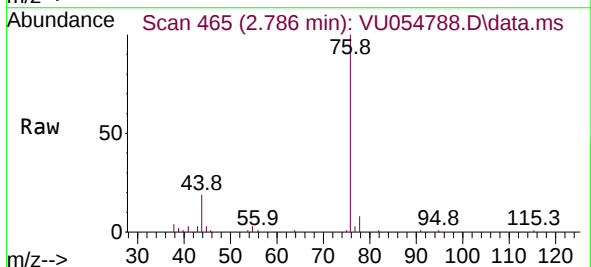
Acq: 17 Jul 2023 09:50

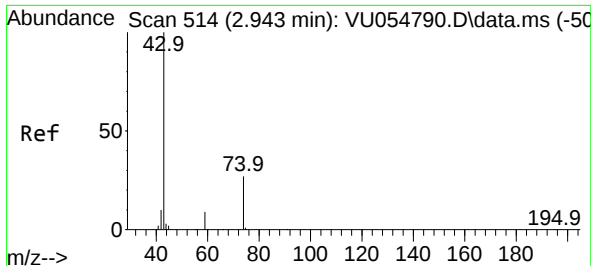
Tgt Ion: 76 Resp: 18330

Ion Ratio Lower Upper

76 100

78 7.6 7.4 11.0





#15

Methyl Acetate

Concen: 3.918 ug/L

RT: 2.946 min Scan# 514

Delta R.T. 0.004 min

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VSTD005029

Tgt Ion: 43 Resp: 6540

Ion Ratio Lower Upper

43 100

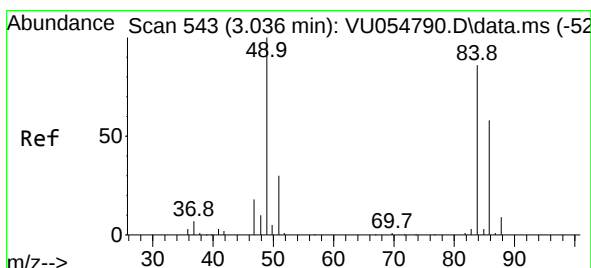
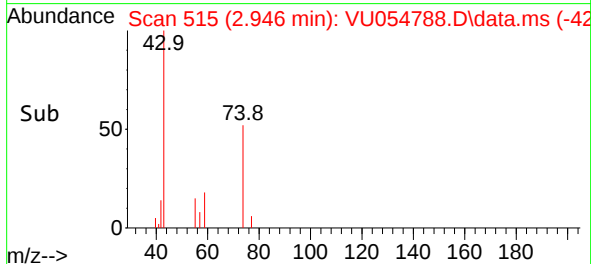
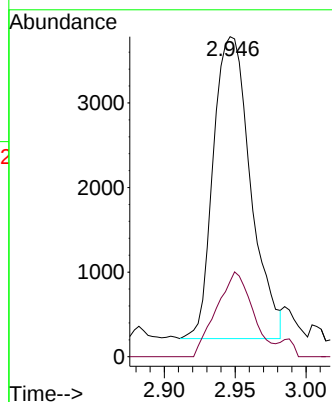
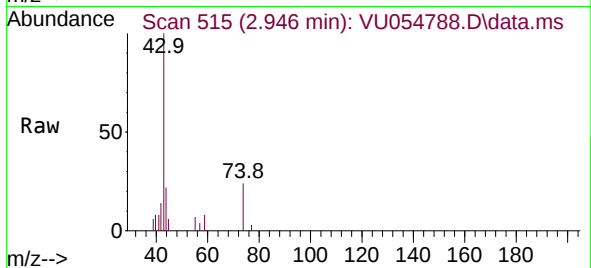
74 27.5 21.8 32.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#16

Methylene chloride

Concen: 4.375 ug/L

RT: 3.043 min Scan# 545

Delta R.T. 0.007 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

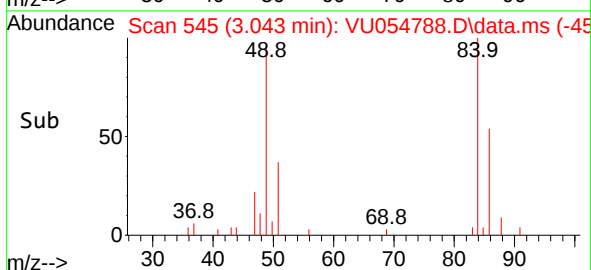
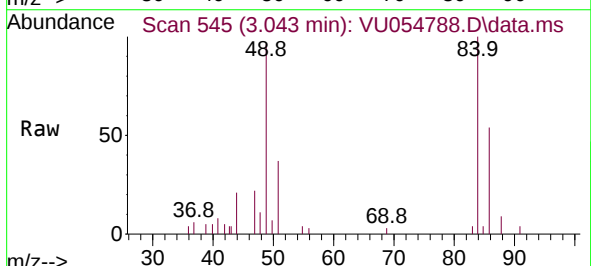
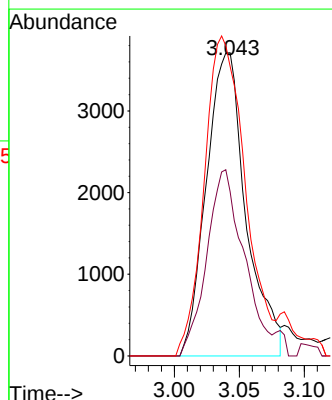
Tgt Ion: 84 Resp: 7878

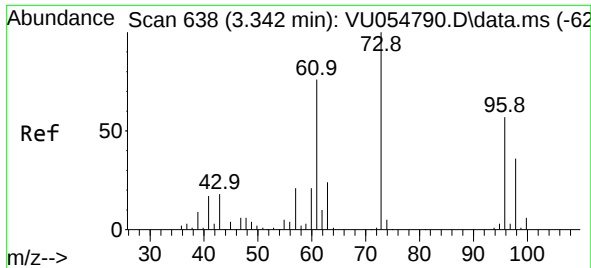
Ion Ratio Lower Upper

84 100

86 54.2 46.8 87.0

49 95.5 81.3 151.1





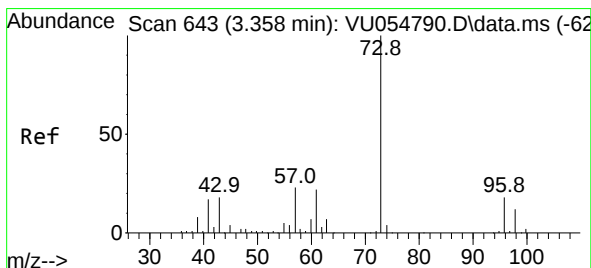
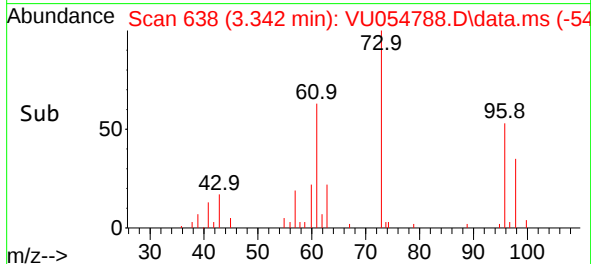
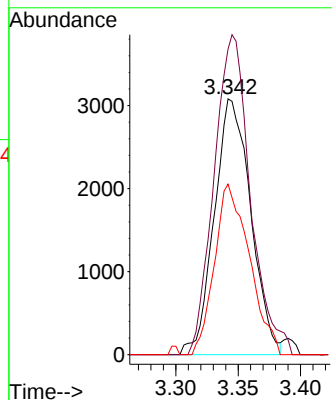
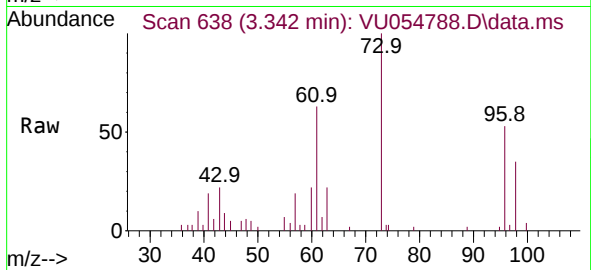
#17
trans-1,2-Dichloroethene
Concen: 4.062 ug/L
RT: 3.342 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

Tgt Ion: 96 Resp: 627
Ion Ratio Lower Upper
96 100
61 113.4 93.2 173.2
98 63.3 44.7 82.9

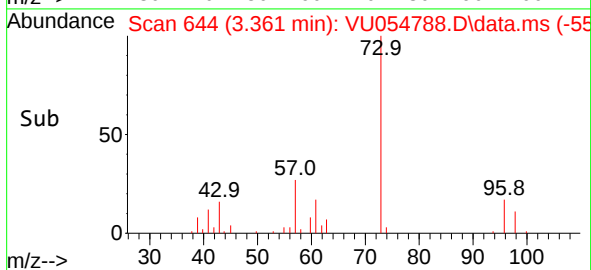
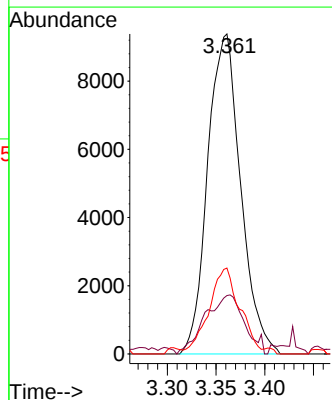
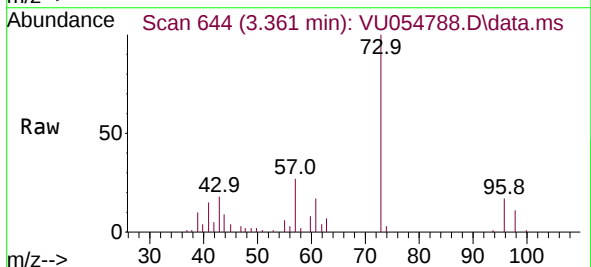
Manual Integrations
APPROVED

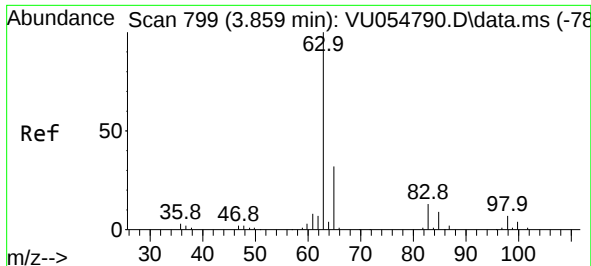
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#18
Methyl tert-butyl Ether
Concen: 4.133 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion: 73 Resp: 22080
Ion Ratio Lower Upper
73 100
43 6.3 14.3 21.5#
57 25.1 17.4 26.0





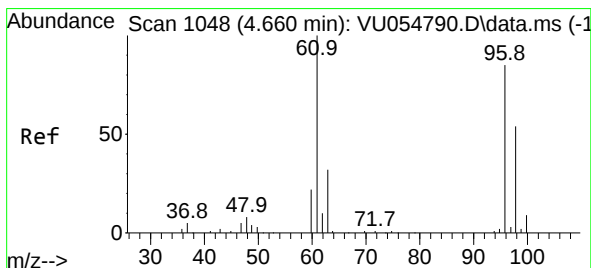
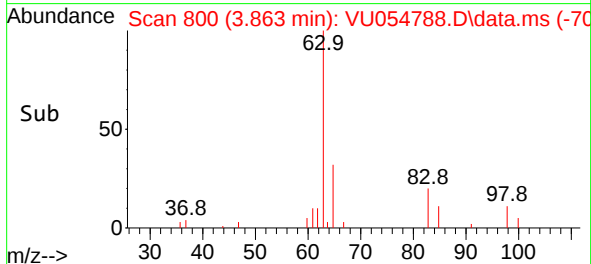
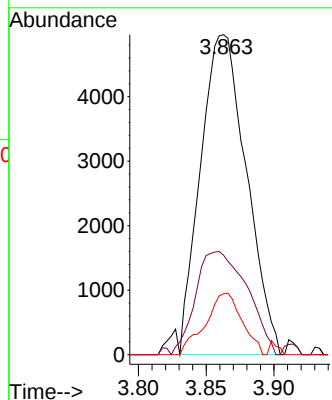
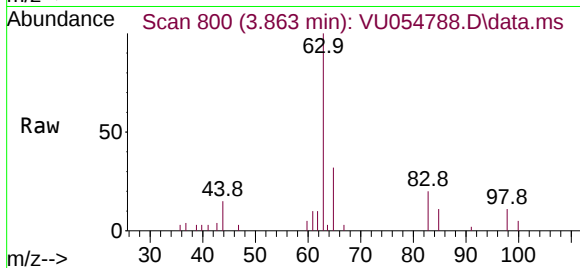
#19
1,1-Dichloroethane
Concen: 3.973 ug/L
RT: 3.863 min Scan# 800
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

Tgt Ion: 63 Resp: 11704
Ion Ratio Lower Upper
63 100
65 31.1 22.1 41.1
83 19.0 9.4 17.4

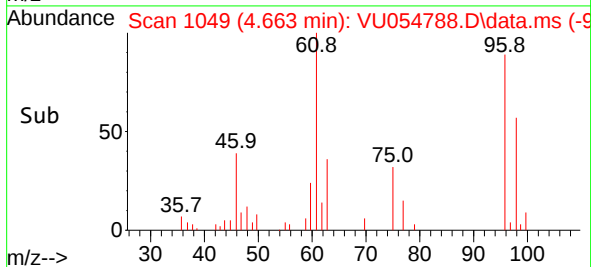
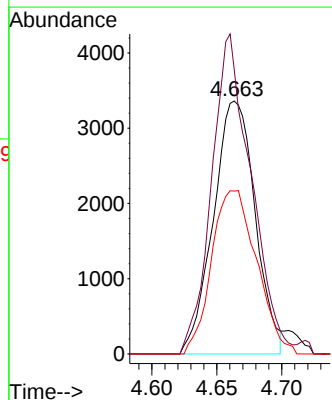
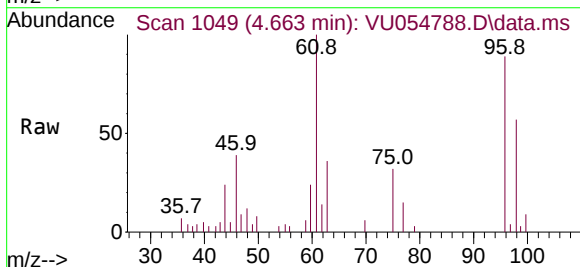
Manual Integrations
APPROVED

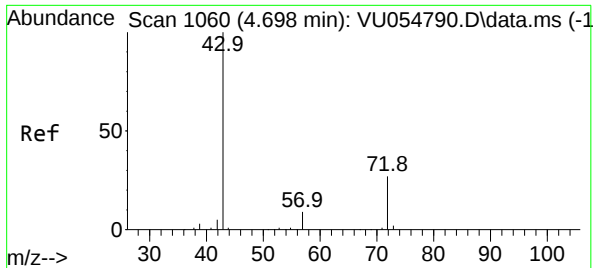
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#20
cis-1,2-Dichloroethene
Concen: 4.099 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion: 96 Resp: 7522
Ion Ratio Lower Upper
96 100
61 112.3 82.7 153.7
98 68.2 44.4 82.5





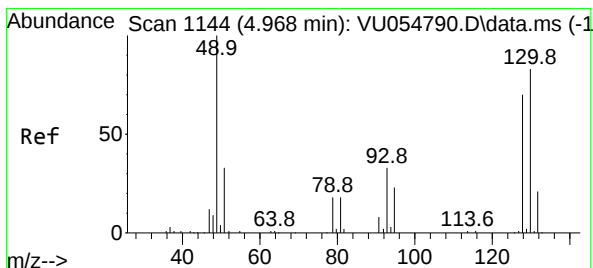
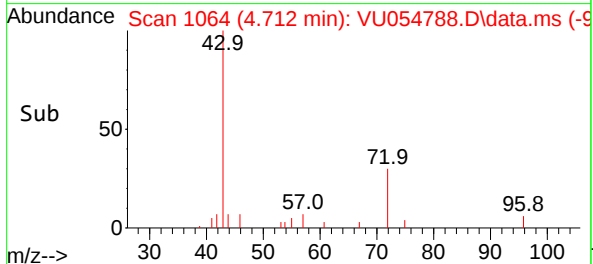
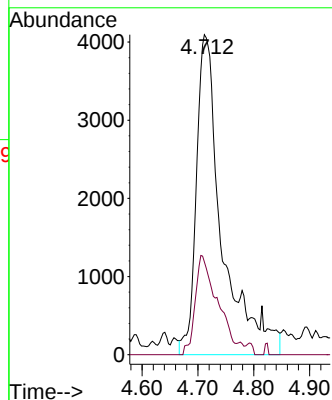
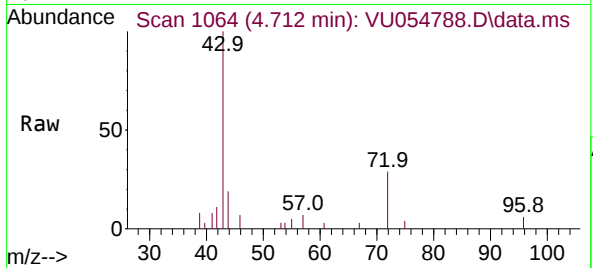
#22
2-Butanone
Concen: 9.564 ug/L m
RT: 4.712 min Scan# 1064
Delta R.T. 0.013 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
72 16.2 15.2 45.6

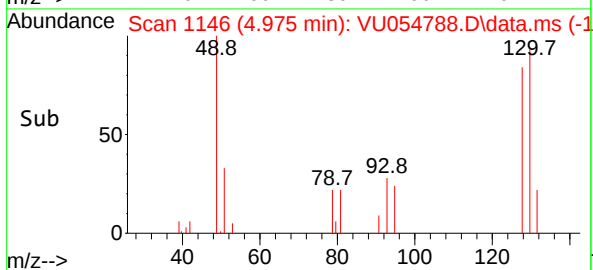
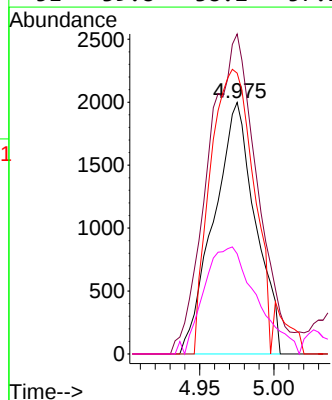
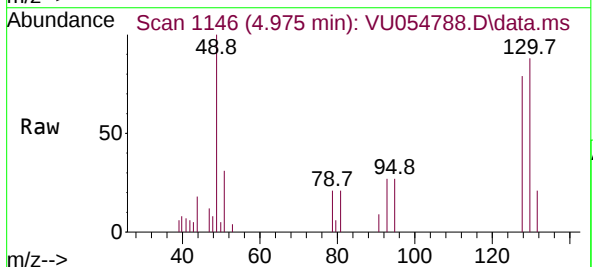
Manual Integrations
APPROVED

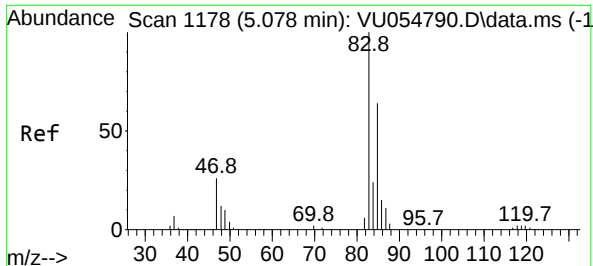
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#23
Bromochloromethane
Concen: 4.162 ug/L
RT: 4.975 min Scan# 1146
Delta R.T. 0.007 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:128 Resp: 3885
Ion Ratio Lower Upper
128 100
49 127.2 100.6 186.8
130 111.7 83.0 154.1
51 39.8 38.2 57.2





#25

Chloroform

Concen: 4.164 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

Tgt Ion: 83 Resp: 1286

Ion Ratio Lower Upper

83 100

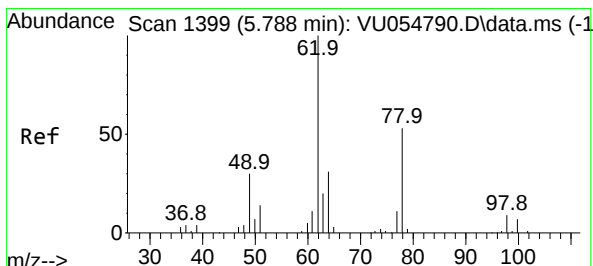
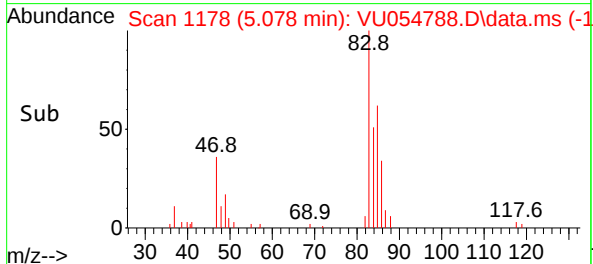
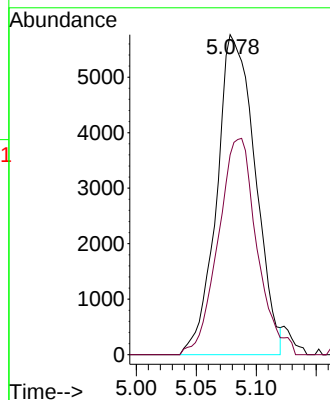
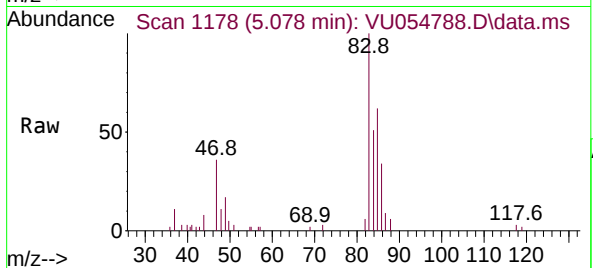
85 62.5 44.7 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#27

1,2-Dichloroethane

Concen: 3.926 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.007 min

Lab File: VU054788.D

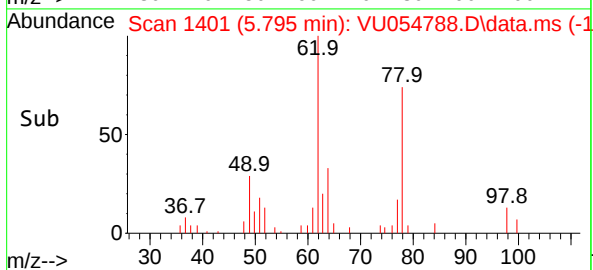
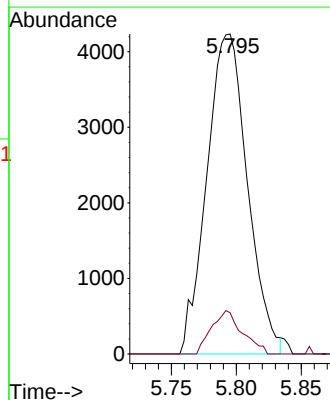
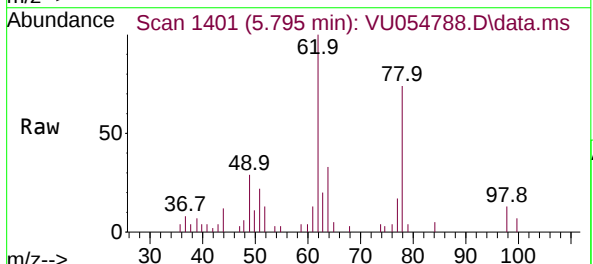
Acq: 17 Jul 2023 09:50

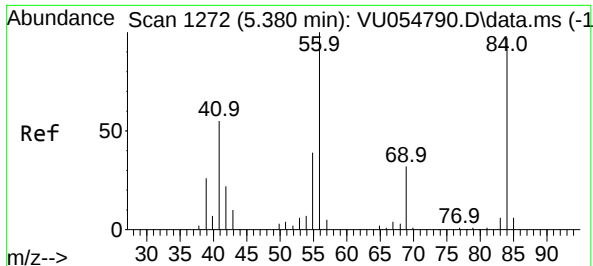
Tgt Ion: 62 Resp: 9211

Ion Ratio Lower Upper

62 100

98 12.9 7.5 11.3#





#29

Cyclohexane

Concen: 4.632 ug/L

RT: 5.377 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

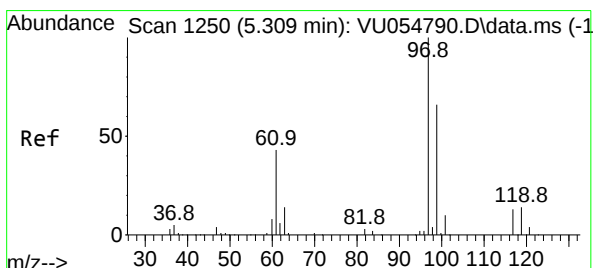
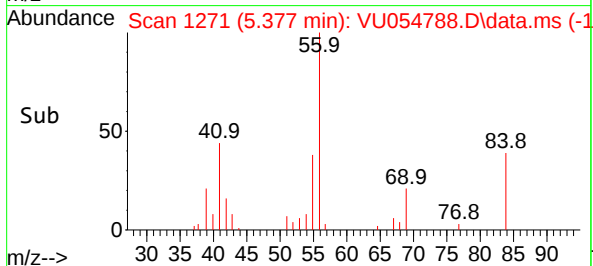
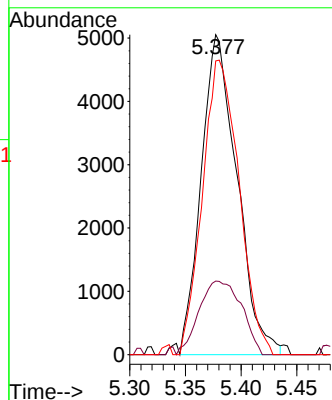
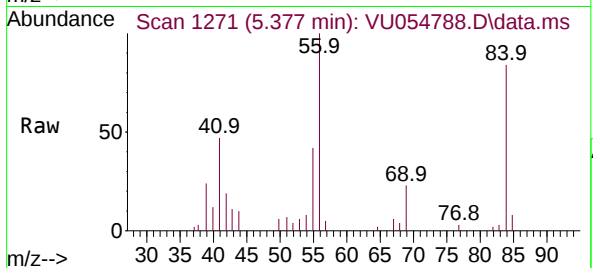
Tgt Ion:	56	Resp:	1129
Ion	Ratio	Lower	Upper
56	100		
69	27.3	25.8	38.8
84	94.0	75.9	113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#30

1,1,1-Trichloroethane

Concen: 4.460 ug/L

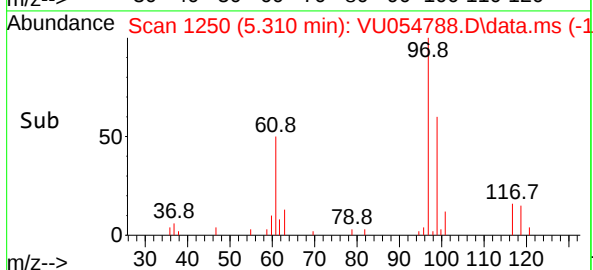
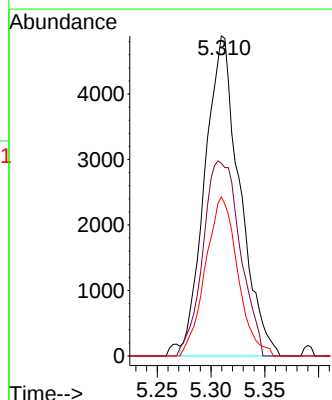
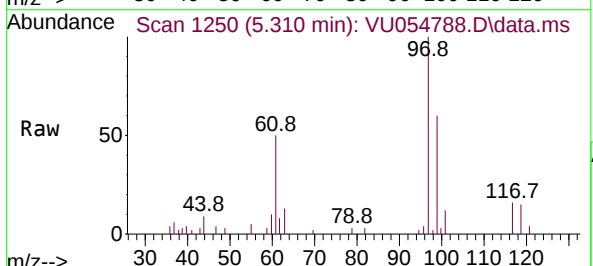
RT: 5.310 min Scan# 1250

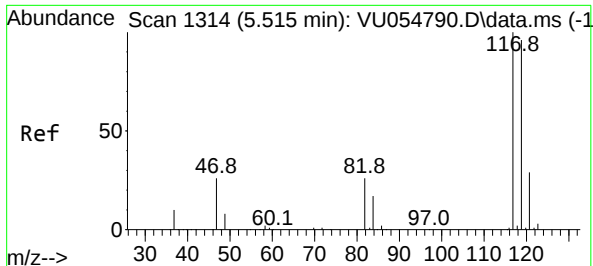
Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

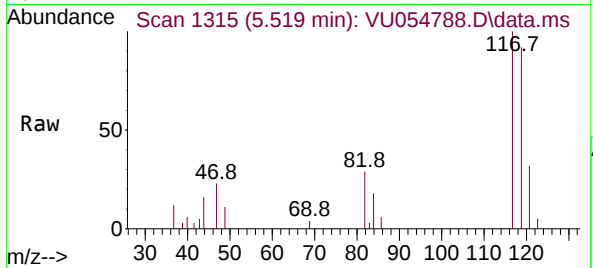
Tgt Ion:	97	Resp:	10980
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	46.2	34.3	51.5





#31
Carbon tetrachloride
Concen: 4.228 ug/L
RT: 5.519 min Scan# 117
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

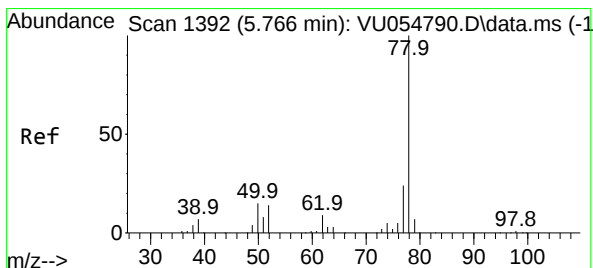
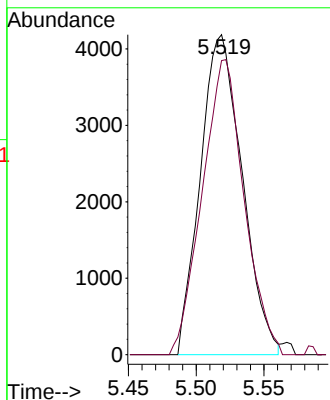
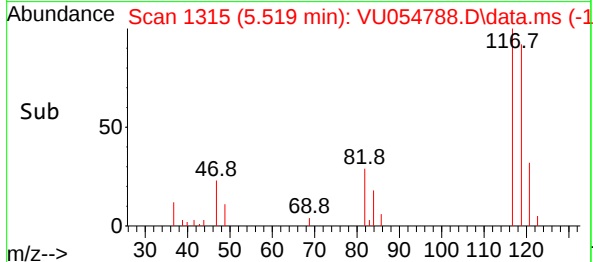
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029



Tgt Ion: 117 Resp: 898
Ion Ratio Lower Upper
117 100
119 92.3 77.4 116.2

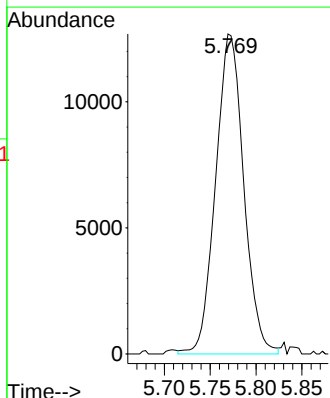
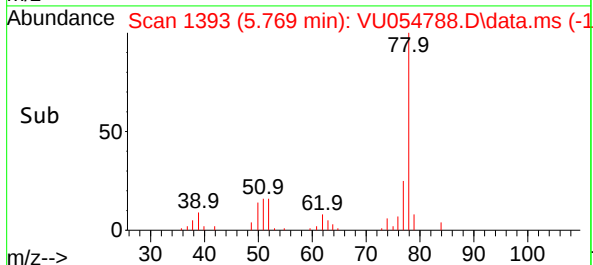
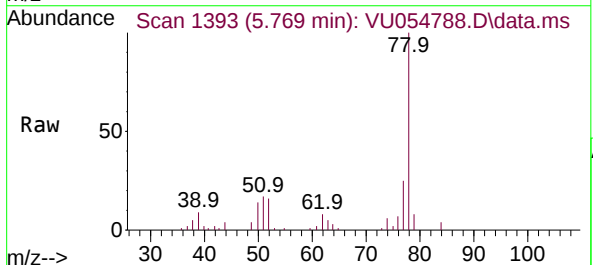
Manual Integrations
APPROVED

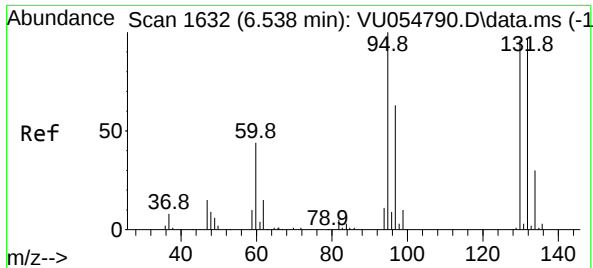
Reviewed By : John Carlone 07/18/2023
Supervised By : Mahesh Dadoda 07/18/2023



#33
Benzene
Concen: 4.260 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

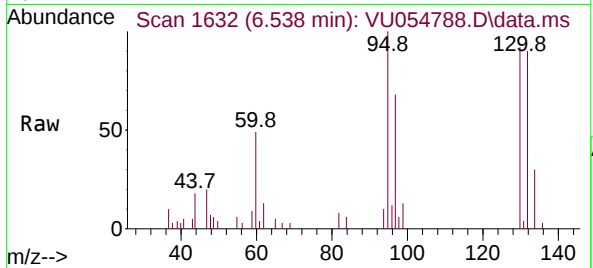
Tgt Ion: 78 Resp: 27073





#34
Trichloroethene
Concen: 4.279 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

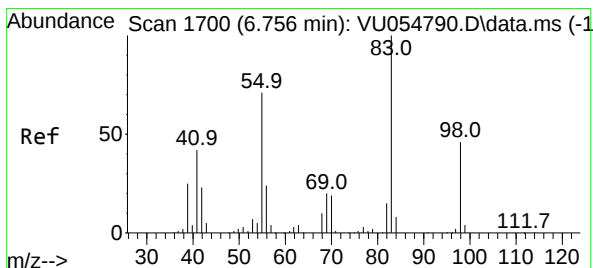
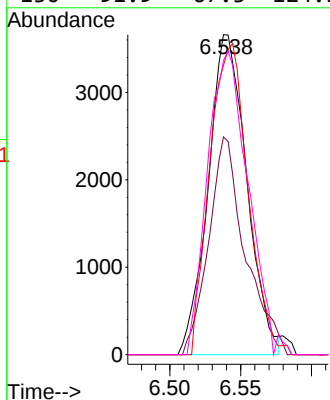
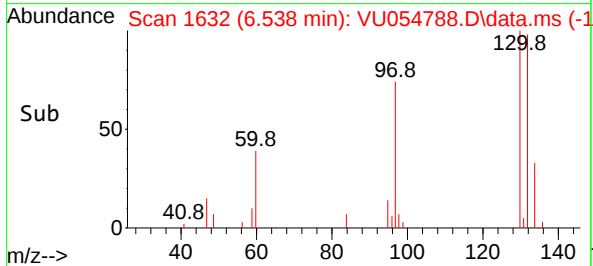
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029



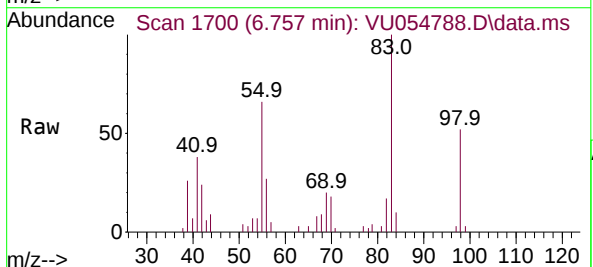
Tgt Ion: 95 Resp: 692
Ion Ratio Lower Upper
95 100
97 74.3 44.0 81.8
132 90.4 67.9 126.1
130 91.9 67.3 124.9

Manual Integrations
APPROVED

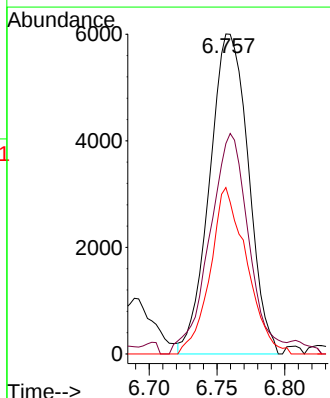
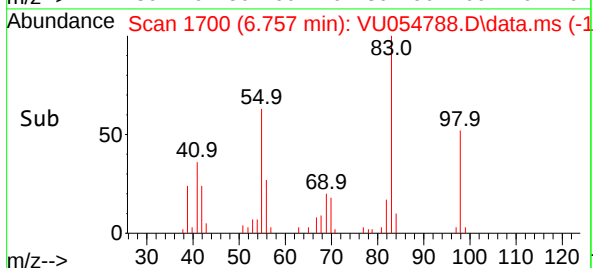
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

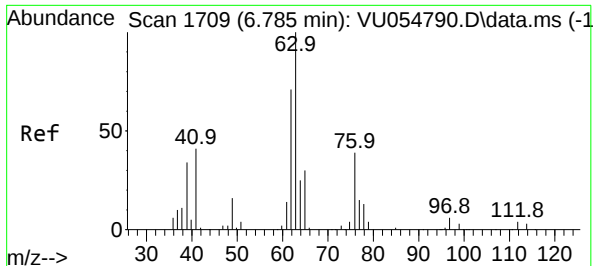


#35
Methylcyclohexane
Concen: 4.518 ug/L
RT: 6.757 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50



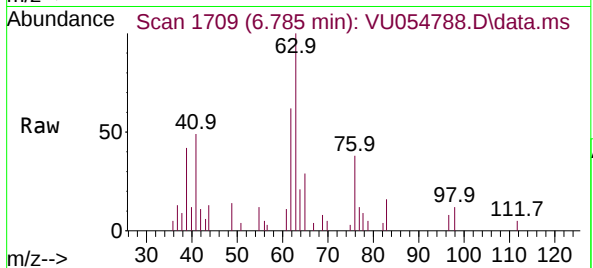
Tgt Ion: 83 Resp: 11946
Ion Ratio Lower Upper
83 100
55 69.4 55.8 83.8
98 48.7 38.6 58.0





#37
1,2-Dichloropropane
Concen: 4.453 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

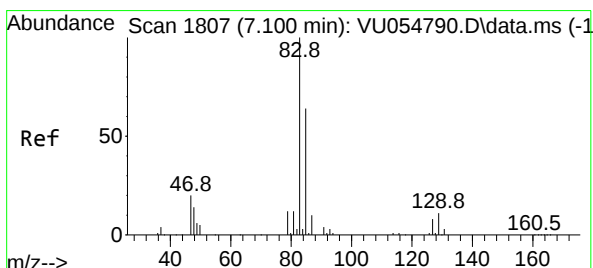
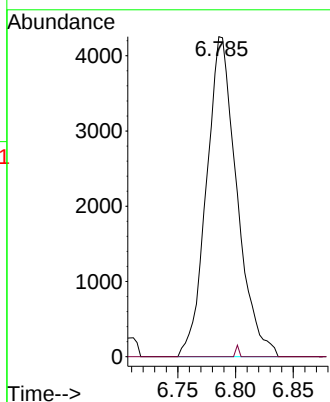
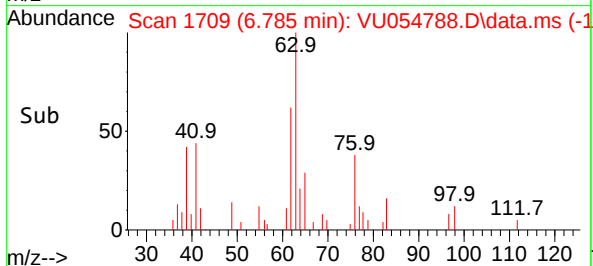
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029



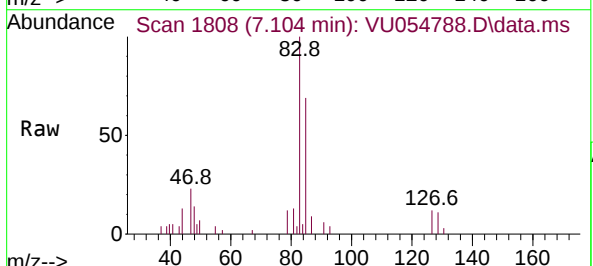
Tgt Ion: 63 Resp: 778
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7

Manual Integrations
APPROVED

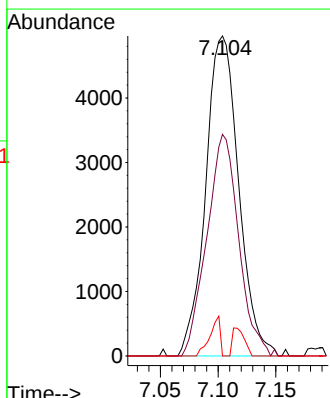
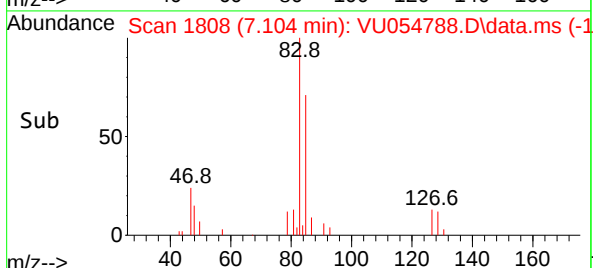
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

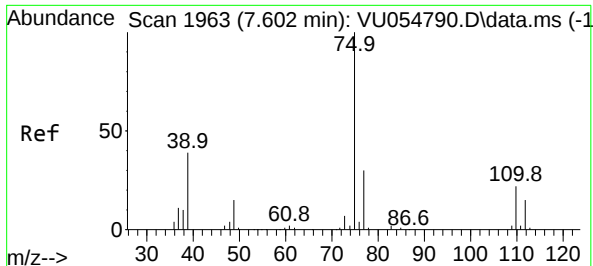


#38
Bromodichloromethane
Concen: 4.402 ug/L
RT: 7.104 min Scan# 1808
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50



Tgt Ion: 83 Resp: 9872
Ion Ratio Lower Upper
83 100
85 69.3 44.9 83.3
127 0.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.464 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

Tgt Ion: 75 Resp: 1286

Ion Ratio Lower Upper

75 100

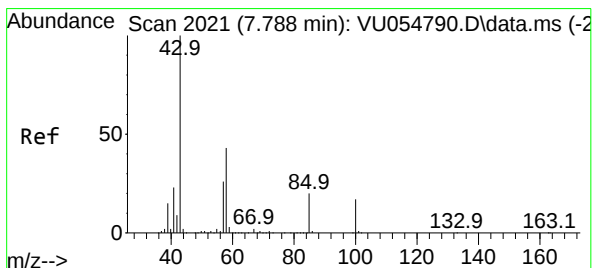
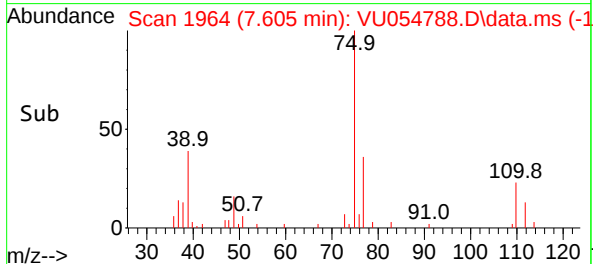
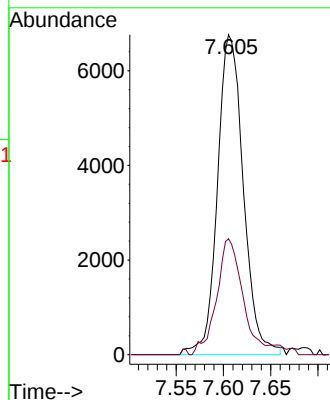
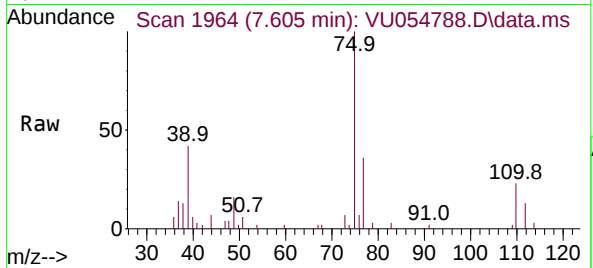
77 36.2 21.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#40

4-Methyl-2-pentanone

Concen: 8.381 ug/L

RT: 7.792 min Scan# 2022

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

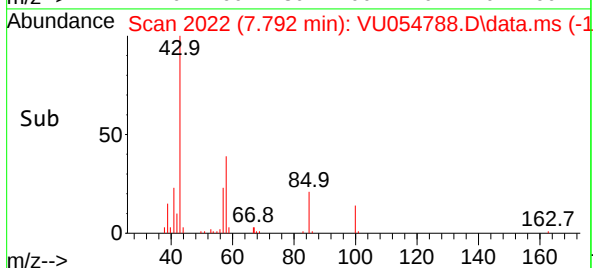
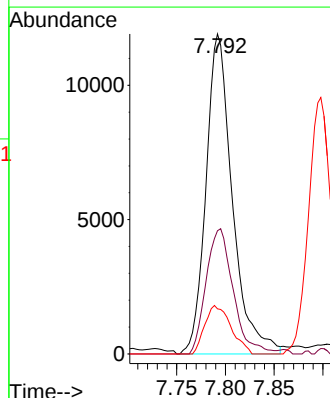
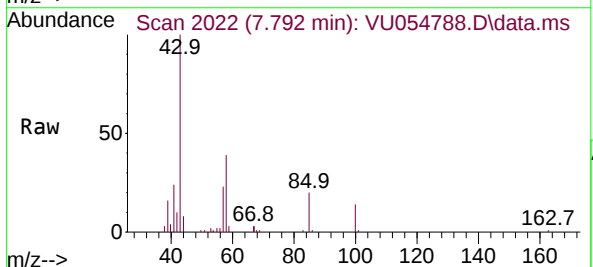
Tgt Ion: 43 Resp: 22431

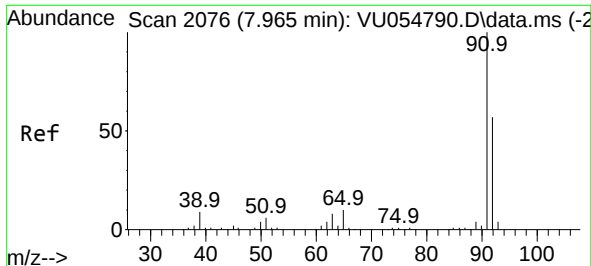
Ion Ratio Lower Upper

43 100

58 40.2 33.7 50.5

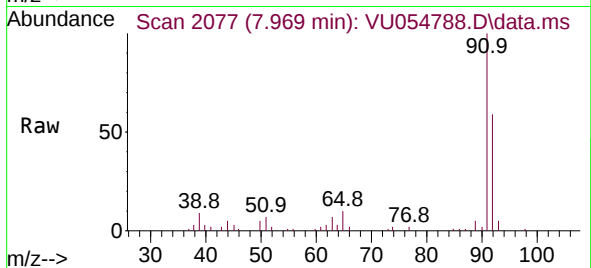
100 15.1 13.0 19.4





#42
Toluene
Concen: 4.271 ug/L
RT: 7.969 min Scan# 2076
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

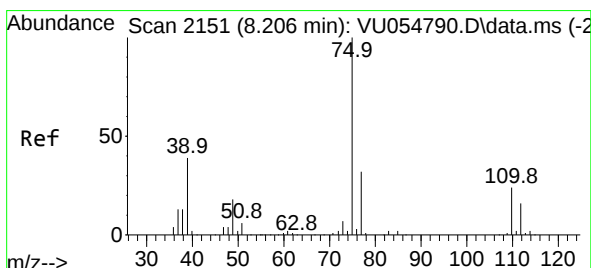
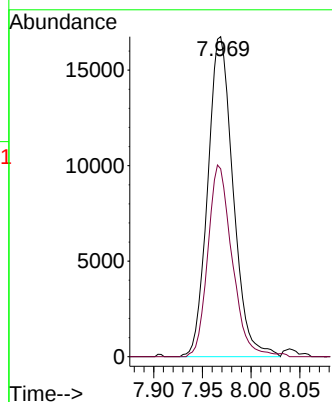
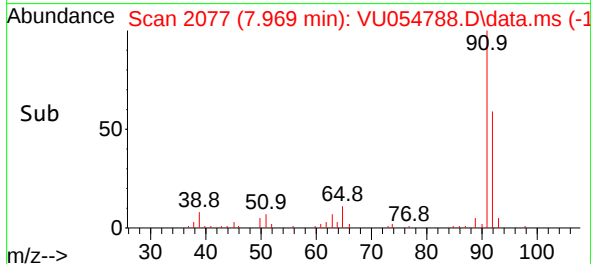
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029



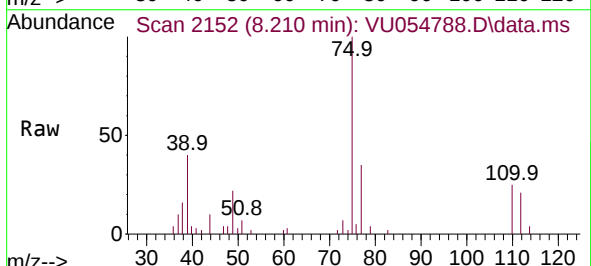
Tgt Ion: 91 Resp: 3037
Ion Ratio Lower Upper
91 100
92 58.7 40.1 74.5

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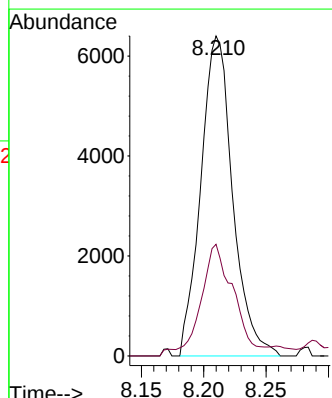
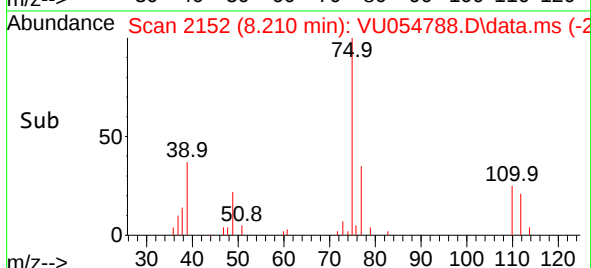
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

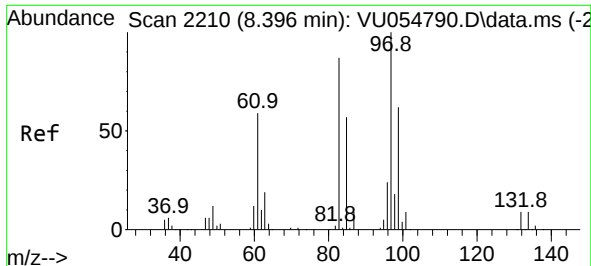


#44
trans-1,3-Dichloropropene
Concen: 4.209 ug/L
RT: 8.210 min Scan# 2152
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50



Tgt Ion: 75 Resp: 11400
Ion Ratio Lower Upper
75 100
77 33.3 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 4.353 ug/L

RT: 8.400 min Scan# 2111

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

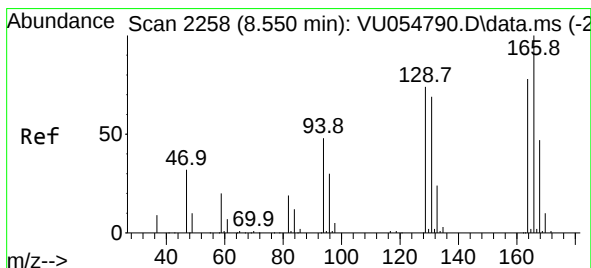
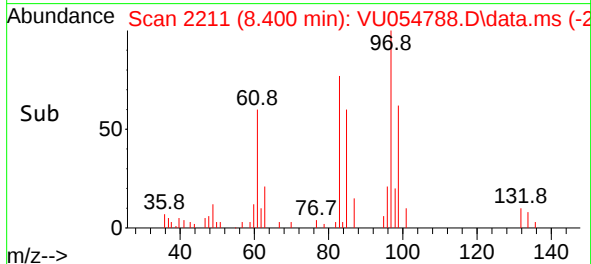
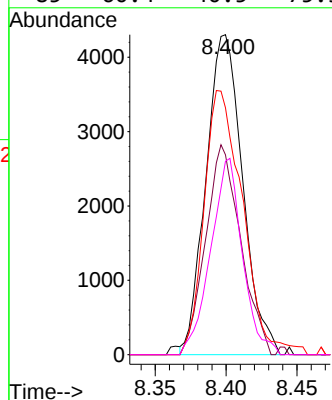
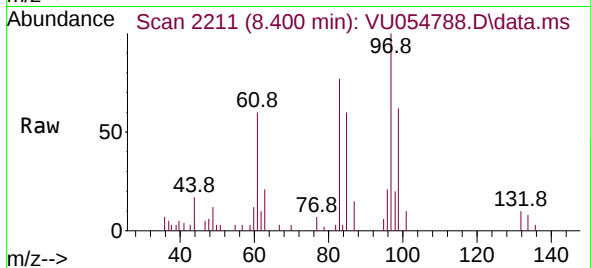
Tgt Ion: 97	Resp: 775
Ion Ratio	Lower Upper
97	100
99	62.4 43.3 80.5
83	77.2 60.6 112.6
85	60.4 40.5 75.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#46

Tetrachloroethene

Concen: 4.289 ug/L

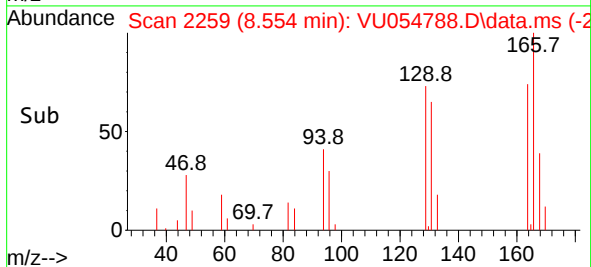
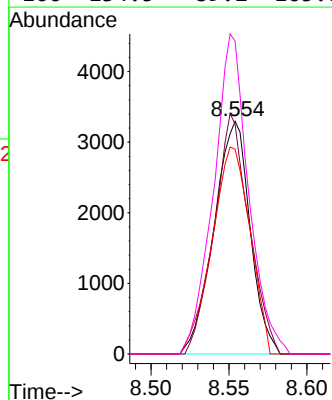
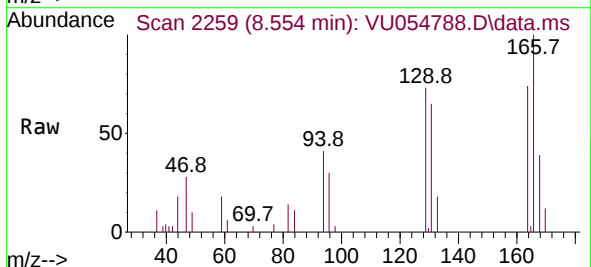
RT: 8.554 min Scan# 2259

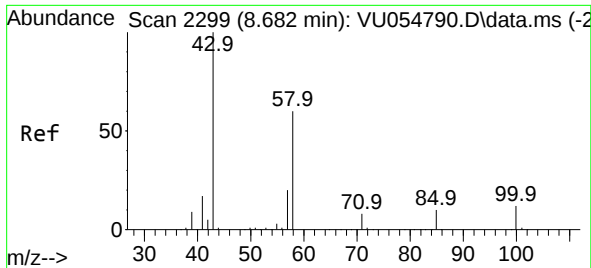
Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

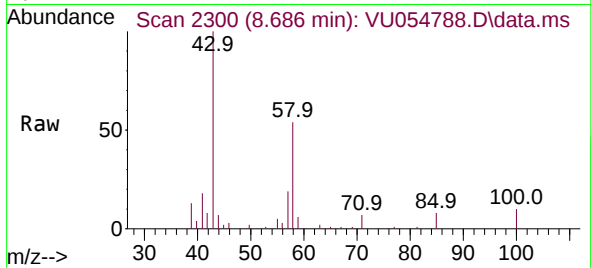
Tgt Ion: 164	Resp: 5320
Ion Ratio	Lower Upper
164	100
129	101.8 66.2 123.0
131	88.0 61.9 115.1
166	134.5 89.2 165.8





#48
2-Hexanone
Concen: 8.975 ug/L m
RT: 8.686 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

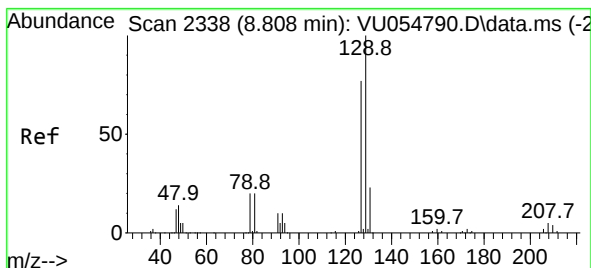
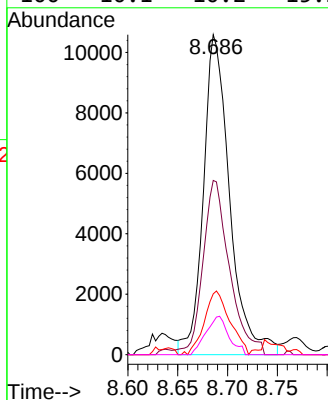
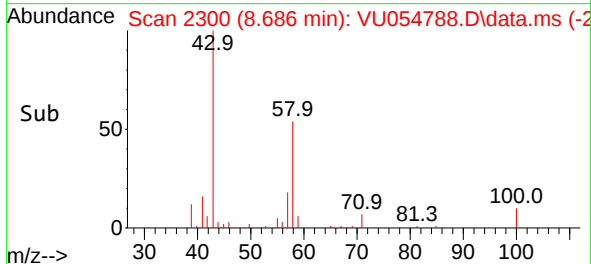
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029



Tgt Ion: 43 Resp: 19414
Ion Ratio Lower Upper
43 100
58 51.8 46.5 69.7
57 19.1 15.4 23.2
100 10.1 10.2 15.2#

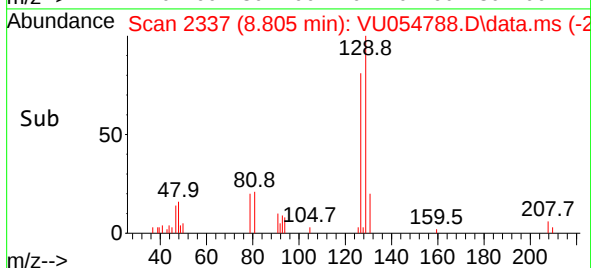
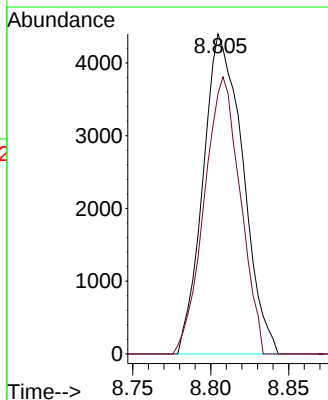
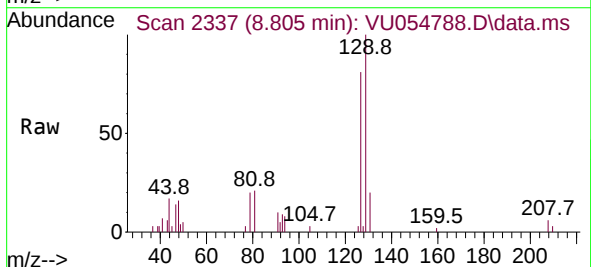
Manual Integrations
APPROVED

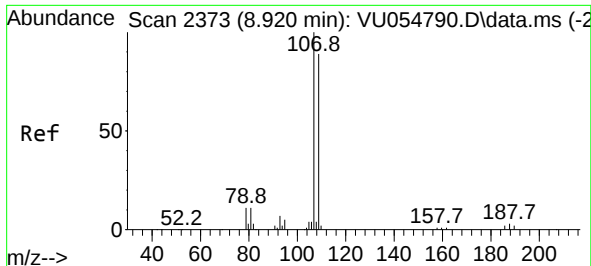
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#49
Dibromochloromethane
Concen: 4.241 ug/L
RT: 8.805 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:129 Resp: 7785
Ion Ratio Lower Upper
129 100
127 84.0 54.4 101.0





#50

1,2-Dibromoethane

Concen: 4.368 ug/L

RT: 8.924 min Scan# 2373

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

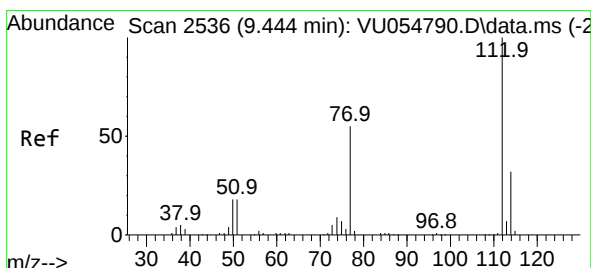
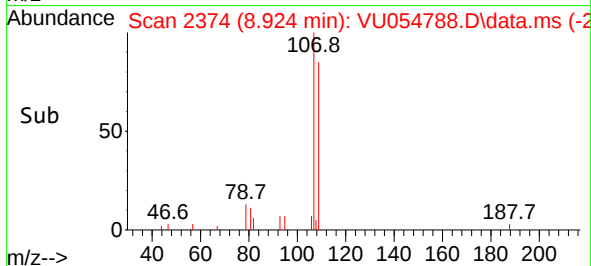
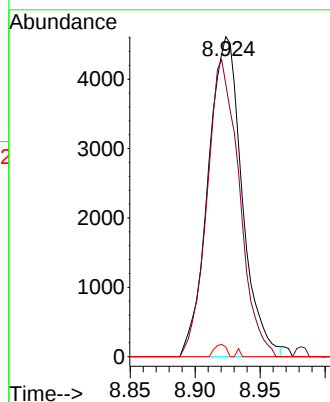
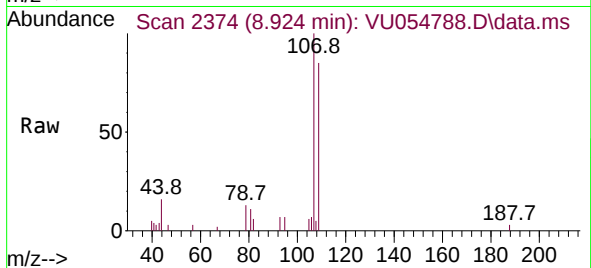
Tgt Ion:	107	Resp:	8379
Ion Ratio	Lower	Upper	
107	100		
109	81.2	62.5	116.1
188	2.9	2.6	4.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#51

Chlorobenzene

Concen: 4.342 ug/L

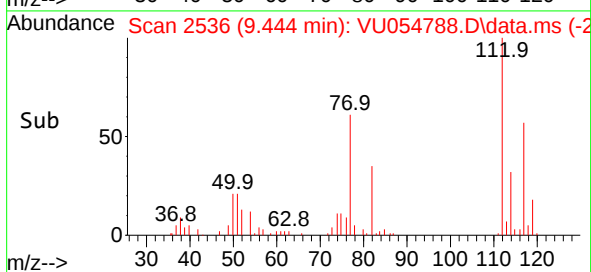
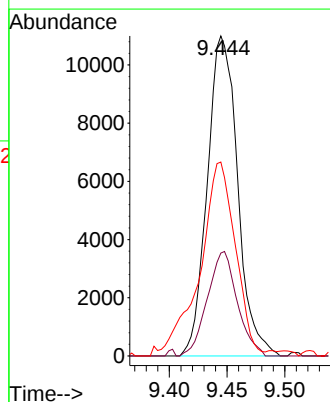
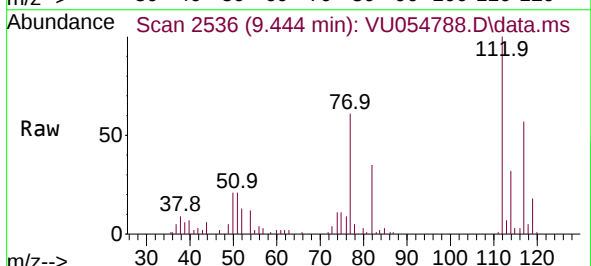
RT: 9.444 min Scan# 2536

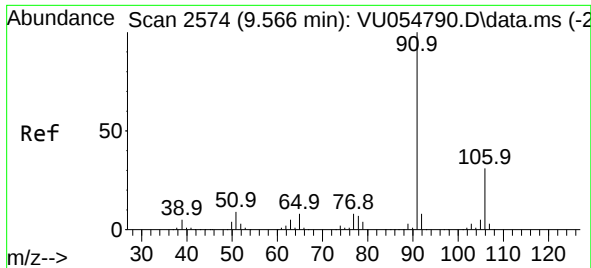
Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Tgt Ion:	112	Resp:	20091
Ion Ratio	Lower	Upper	
112	100		
114	34.9	22.3	41.5
77	60.6	44.2	66.4





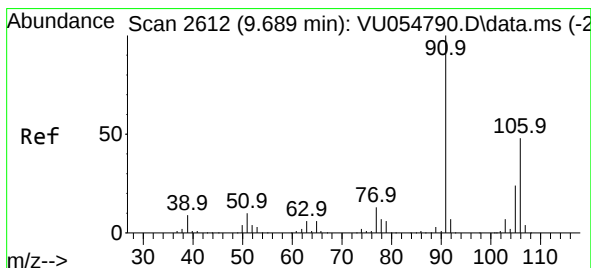
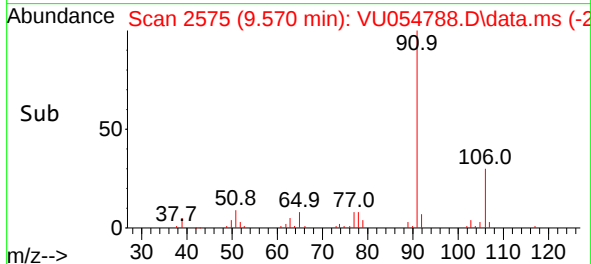
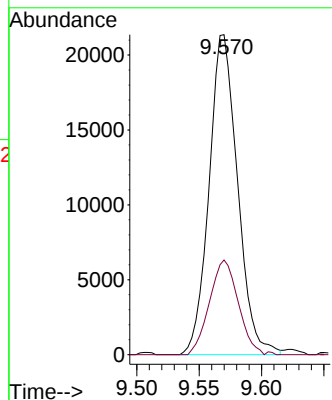
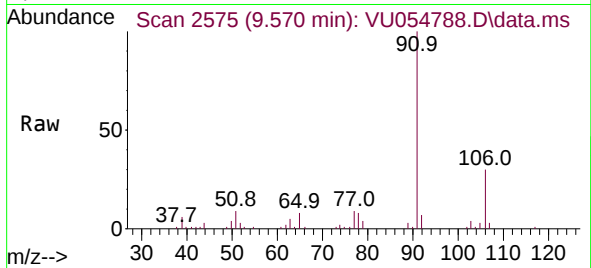
#52
Ethylbenzene
Concen: 4.136 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

Tgt Ion: 91 Resp: 3400
Ion Ratio Lower Upper
91 100
106 32.4 23.5 43.7

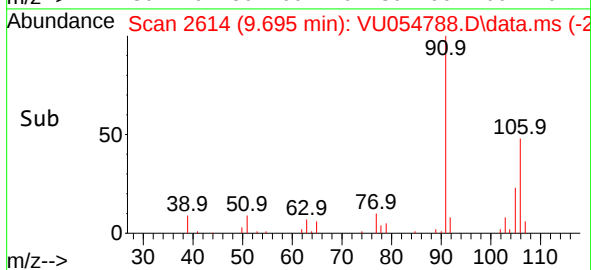
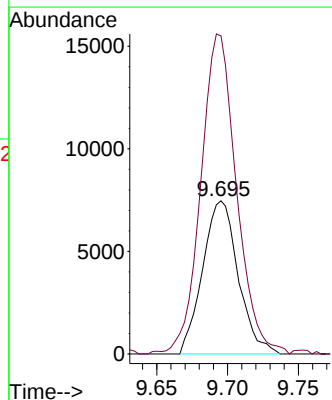
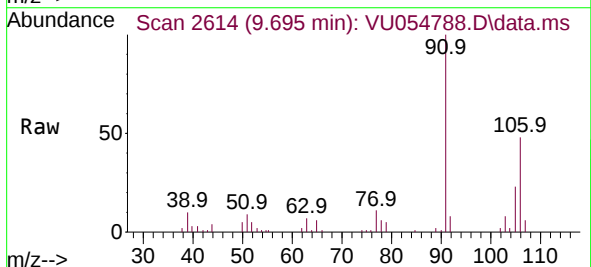
Manual Integrations
APPROVED

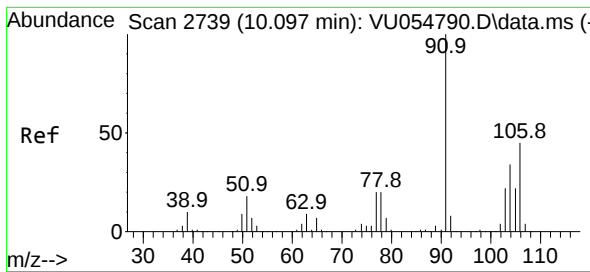
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#53
m,p-Xylene
Concen: 4.161 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.007 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:106 Resp: 13027
Ion Ratio Lower Upper
106 100
91 201.0 133.3 247.7





#54

o-Xylene

Concen: 4.208 ug/L

RT: 10.100 min Scan# 2739

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

Tgt Ion:106 Resp: 1338

Ion Ratio Lower Upper

106 100

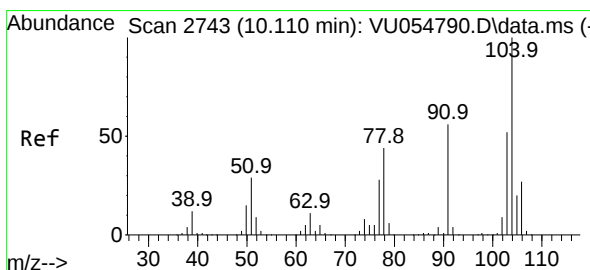
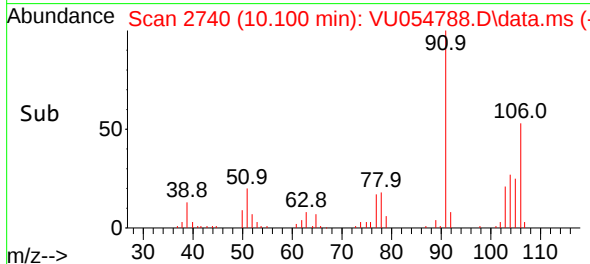
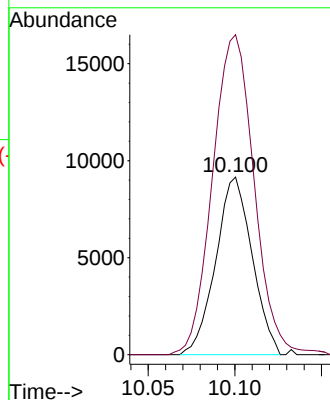
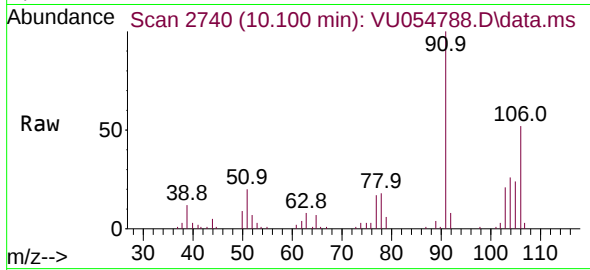
91 180.2 142.0 263.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#55

Styrene

Concen: 3.790 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.004 min

Lab File: VU054788.D

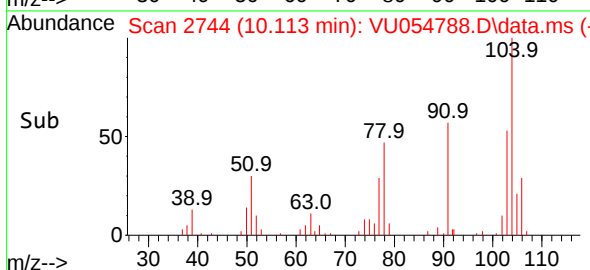
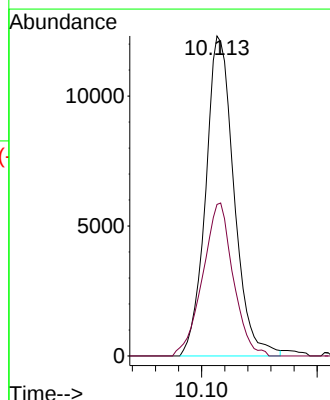
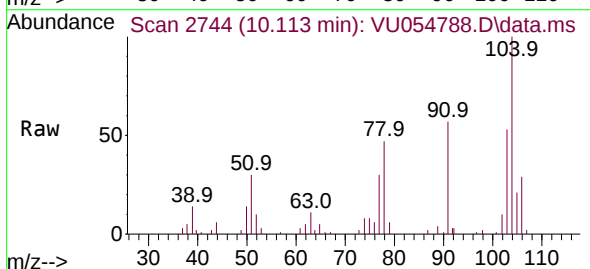
Acq: 17 Jul 2023 09:50

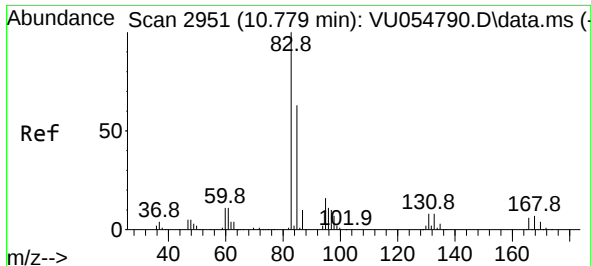
Tgt Ion:104 Resp: 20993

Ion Ratio Lower Upper

104 100

78 47.4 30.7 57.1





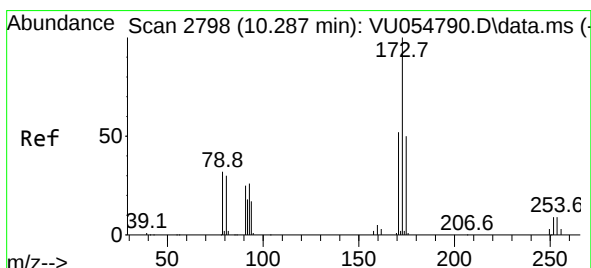
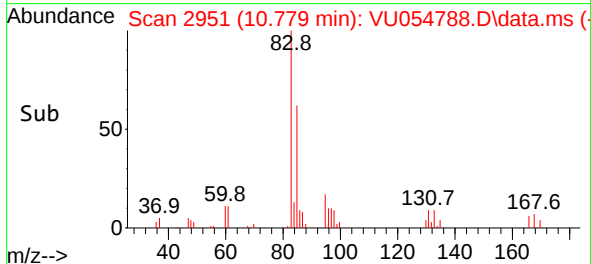
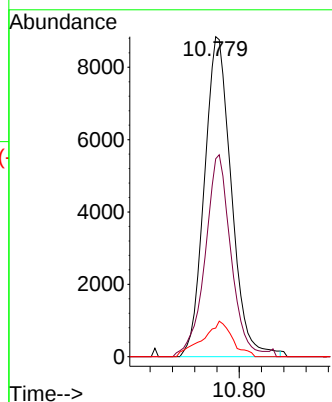
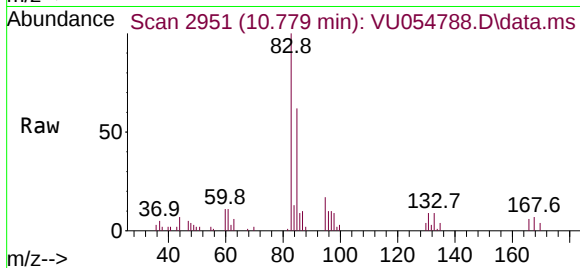
#57
1,1,2,2-Tetrachloroethane
Concen: 4.218 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

Tgt Ion: 83 Resp: 1484
Ion Ratio Lower Upper
83 100
85 61.8 43.8 81.4
131 11.6 8.7 13.1

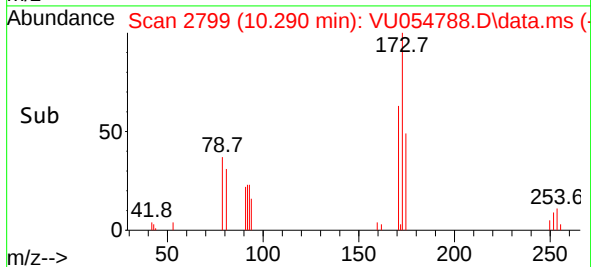
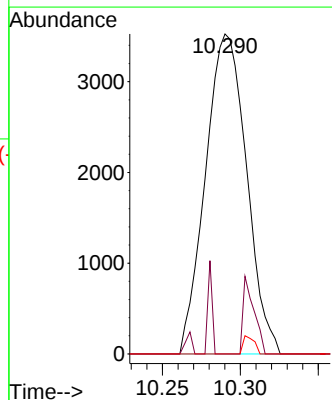
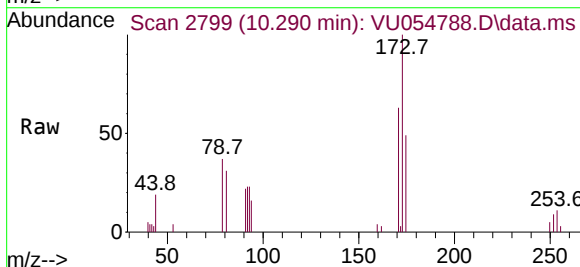
Manual Integrations
APPROVED

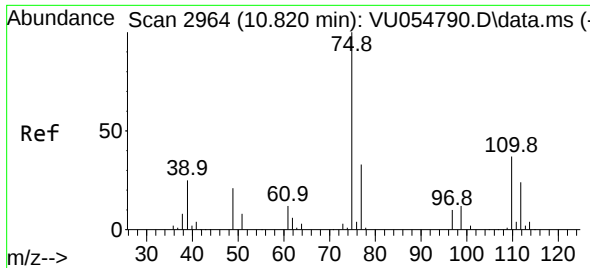
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#59
Bromoform
Concen: 4.301 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

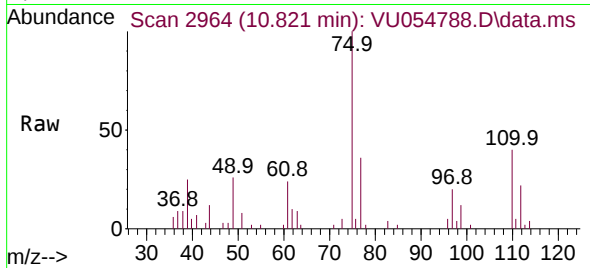
Tgt Ion:173 Resp: 6461
Ion Ratio Lower Upper
173 100
175 6.5 38.8 58.2#
254 1.5 2.4 3.6#





#60
1,2,3-Trichloropropane
Concen: 4.421 ug/L
RT: 10.821 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

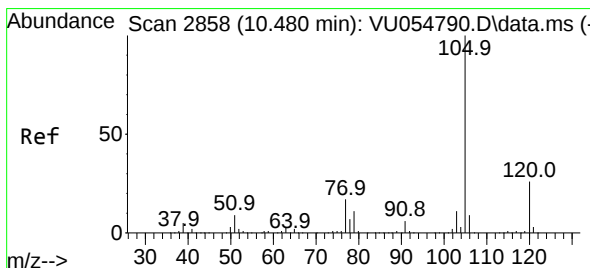
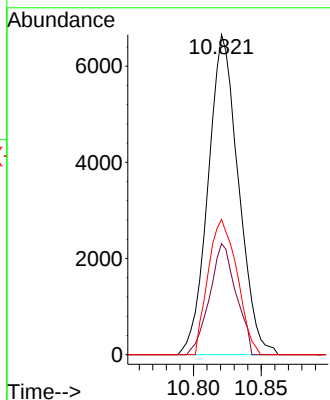
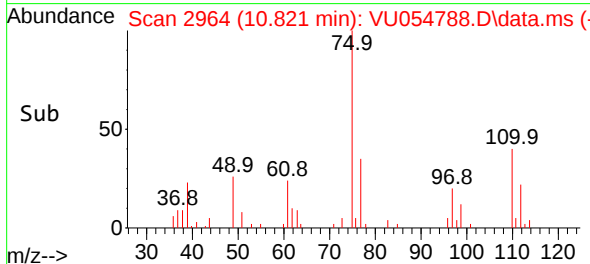
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029



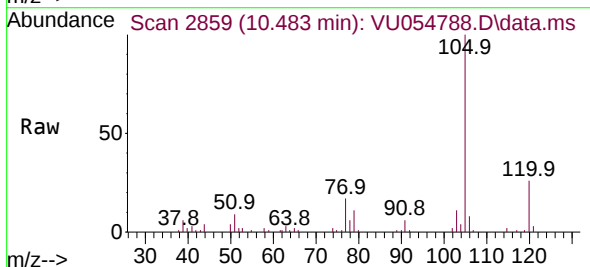
Tgt Ion: 75 Resp: 10360
Ion Ratio Lower Upper
75 100
77 30.2 26.2 39.4
110 40.3 29.9 44.9

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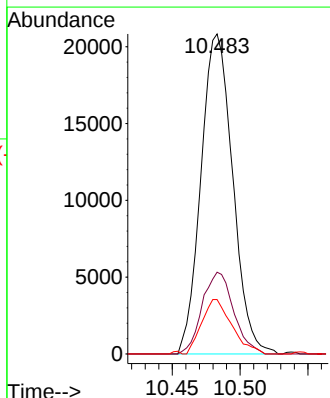
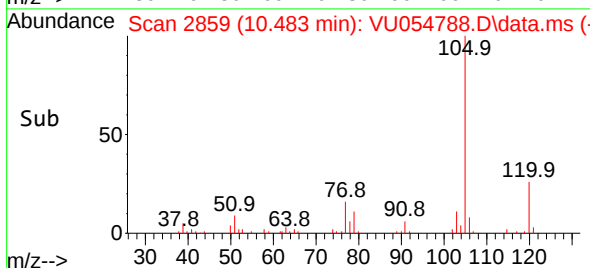
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

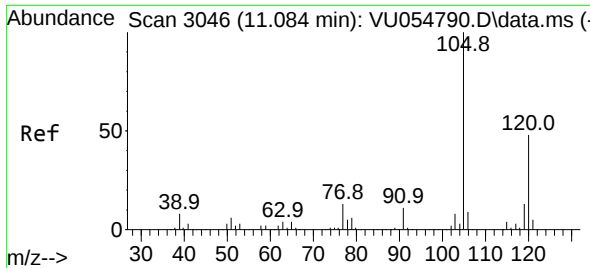


#61
Isopropylbenzene
Concen: 4.272 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50



Tgt Ion:105 Resp: 33897
Ion Ratio Lower Upper
105 100
120 25.3 21.4 32.0
77 16.1 12.8 19.2





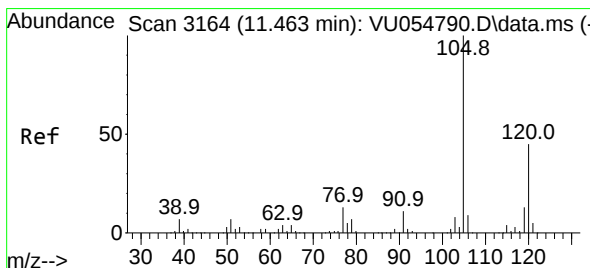
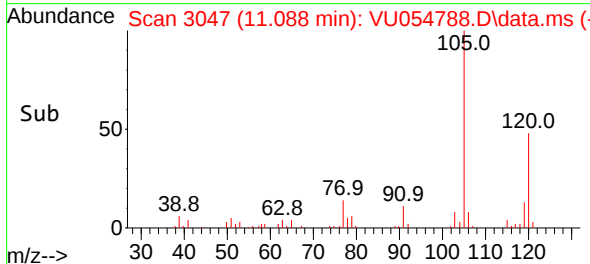
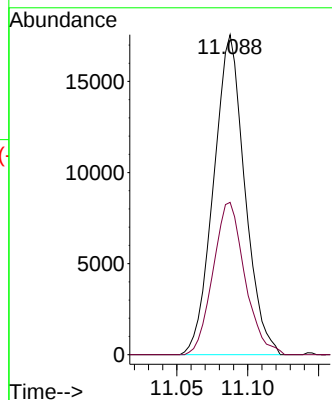
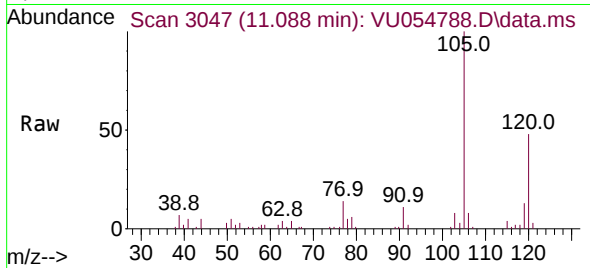
#62
1,3,5-Trimethylbenzene
Concen: 4.112 ug/L
RT: 11.088 min Scan# 3046
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

Tgt Ion:105 Resp: 26872
Ion Ratio Lower Upper
105 100
120 48.6 38.0 57.0

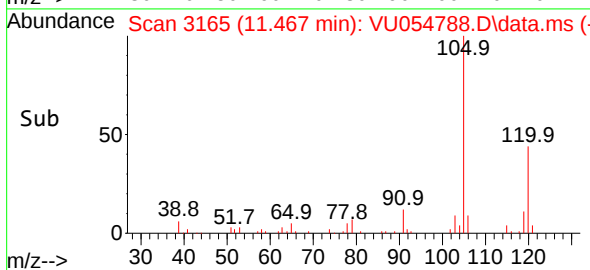
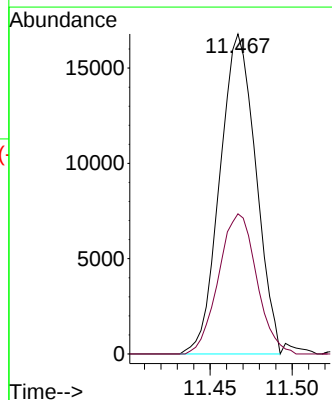
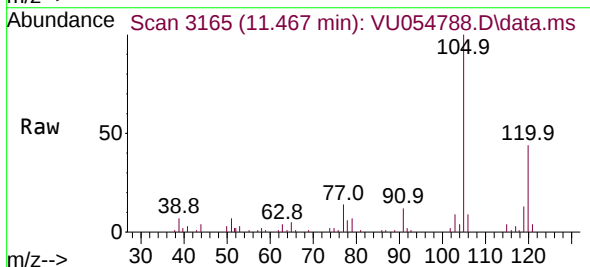
Manual Integrations
APPROVED

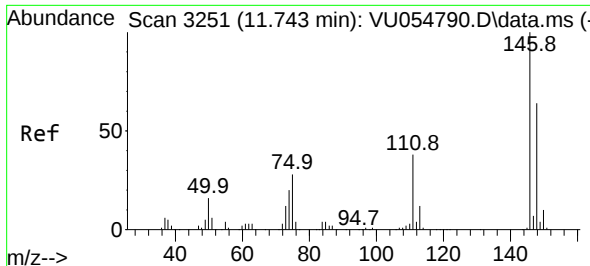
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#63
1,2,4-Trimethylbenzene
Concen: 3.946 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

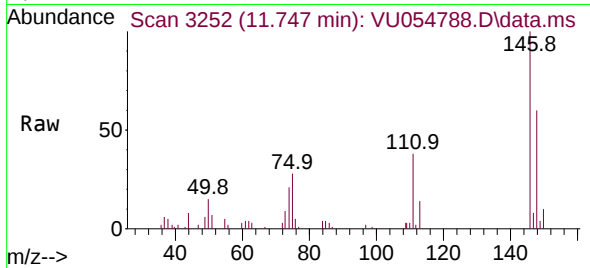
Tgt Ion:105 Resp: 25557
Ion Ratio Lower Upper
105 100
120 46.3 36.2 54.2





#64
1,3-Dichlorobenzene
Concen: 4.222 ug/L
RT: 11.747 min Scan# 31
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

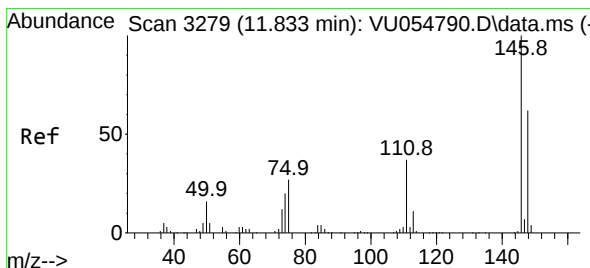
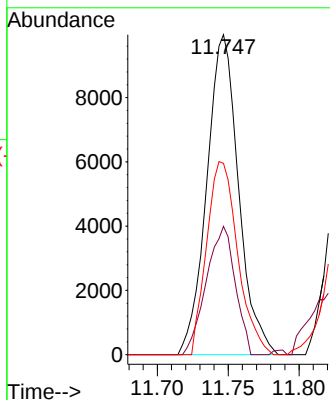
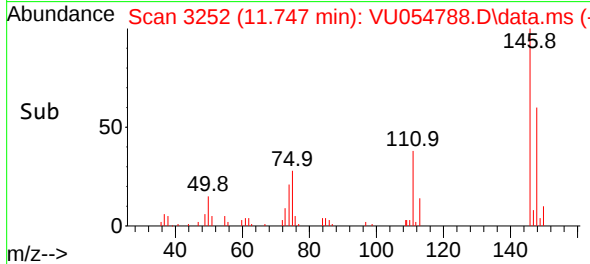
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029



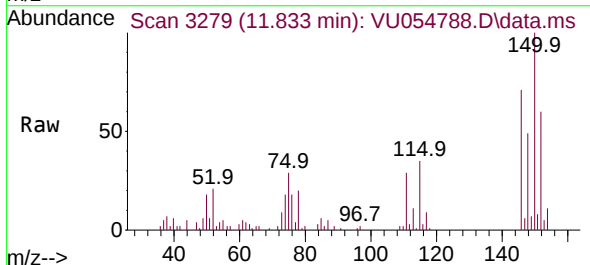
Tgt Ion:146 Resp: 1553
Ion Ratio Lower Upper
146 100
111 37.1 25.2 46.8
148 58.8 44.4 82.4

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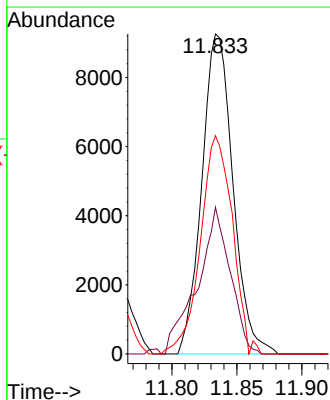
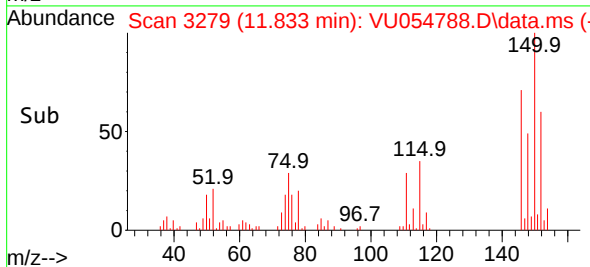
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

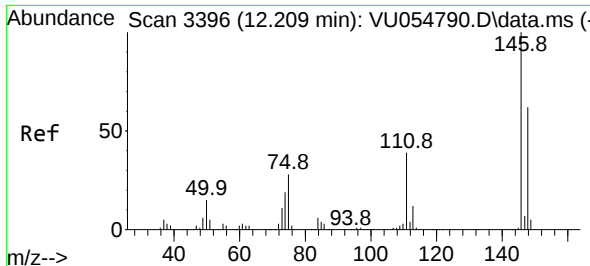


#65
1,4-Dichlorobenzene
Concen: 4.167 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50



Tgt Ion:146 Resp: 15446
Ion Ratio Lower Upper
146 100
111 45.9 24.1 44.8#
148 68.2 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 4.110 ug/L

RT: 12.213 min Scan# 3396

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

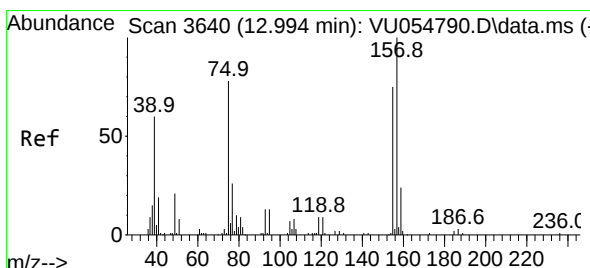
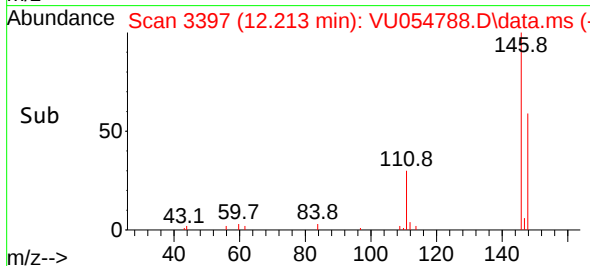
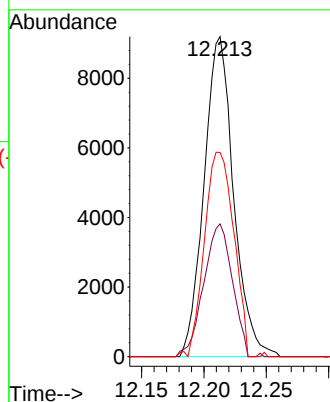
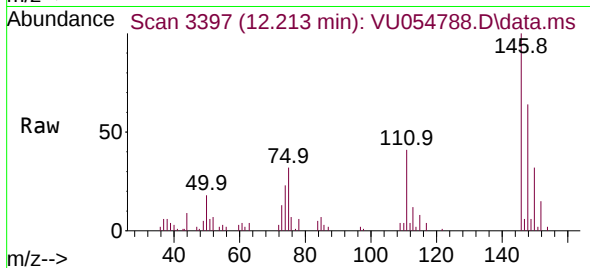
Tgt Ion:	146	Resp:	15194
Ion Ratio	Lower	Upper	
146	100		
111	39.2	31.5	47.3
148	65.7	53.5	80.3

Manual Integrations

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Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 3.963 ug/L

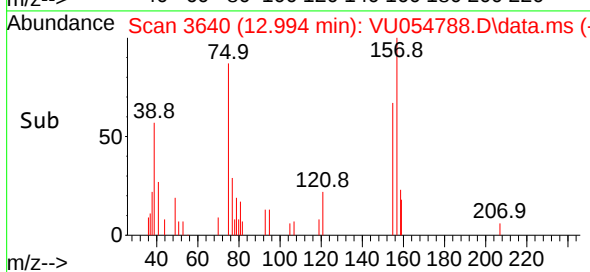
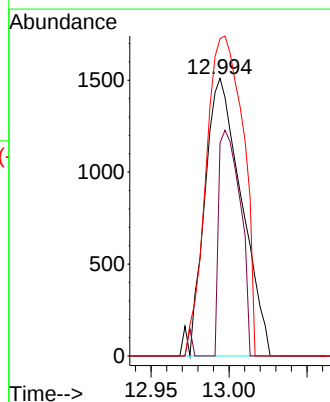
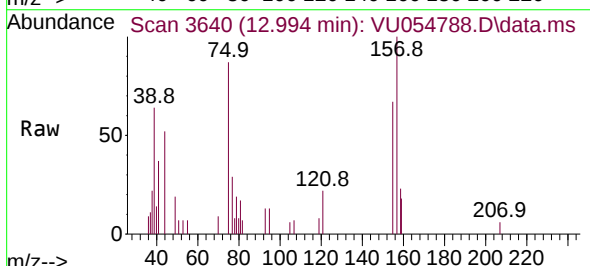
RT: 12.994 min Scan# 3640

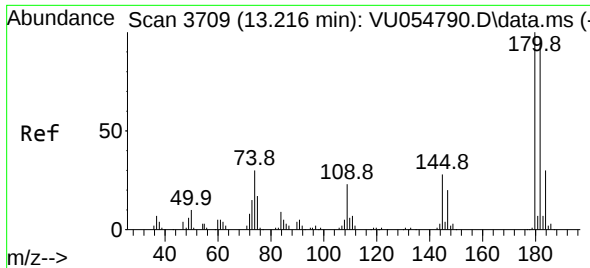
Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

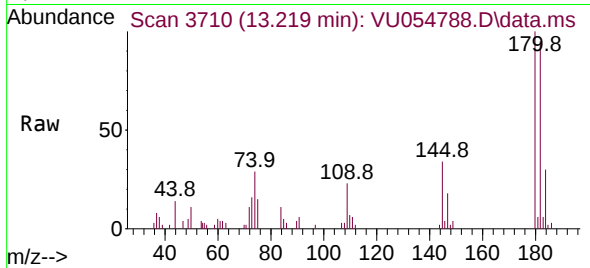
Tgt Ion:	75	Resp:	2482
Ion Ratio	Lower	Upper	
75	100		
155	76.8	80.6	121.0#
157	114.4	106.5	159.7





#69
1,3,5-Trichlorobenzene
Concen: 4.220 ug/L
RT: 13.219 min Scan# 31
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

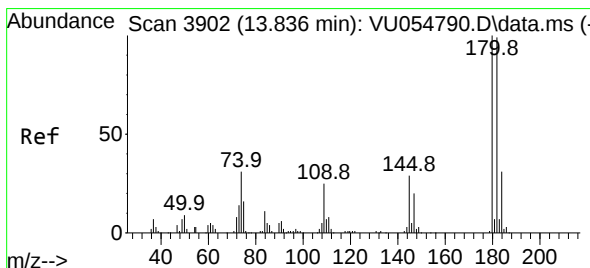
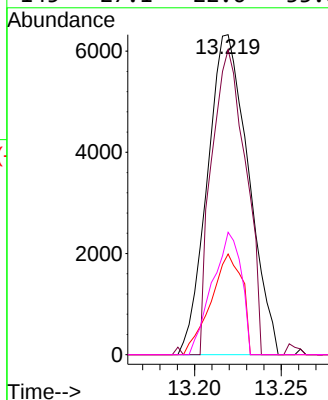
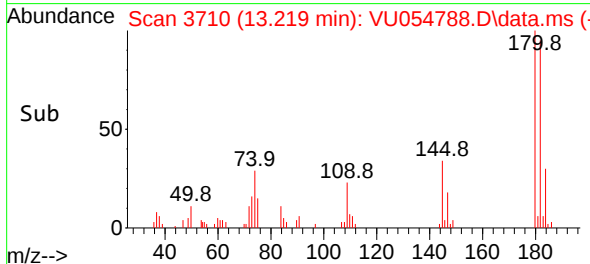
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029



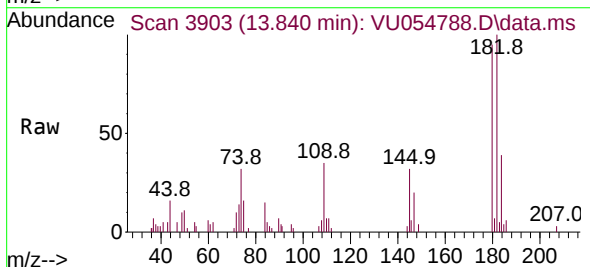
Tgt Ion:180 Resp: 10410
Ion Ratio Lower Upper
180 100
182 78.7 76.7 115.1
184 24.0 23.4 35.0
145 27.1 22.6 33.8

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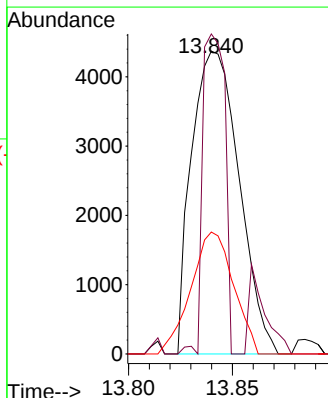
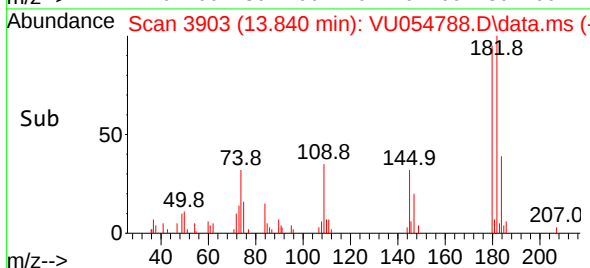
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

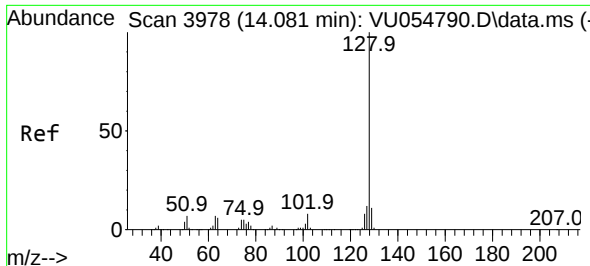


#70
1,2,4-trichlorobenzene
Concen: 3.264 ug/L
RT: 13.840 min Scan# 3903
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50



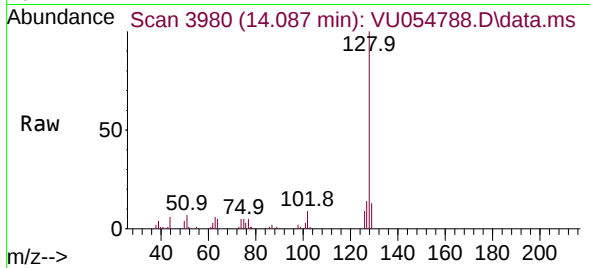
Tgt Ion:180 Resp: 6951
Ion Ratio Lower Upper
180 100
182 48.8 76.8 115.2#
145 36.1 23.0 34.6#





#71
Naphthalene
Concen: 3.266 ug/L
RT: 14.087 min Scan# 3978
Delta R.T. 0.007 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

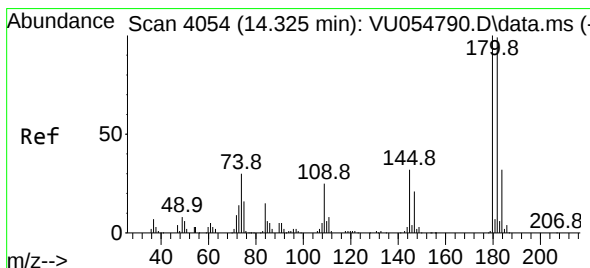
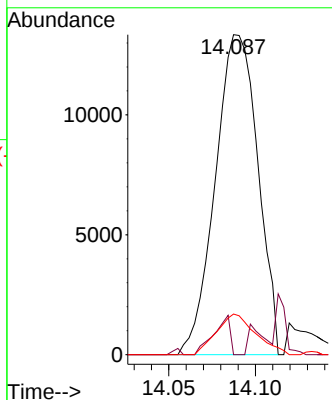
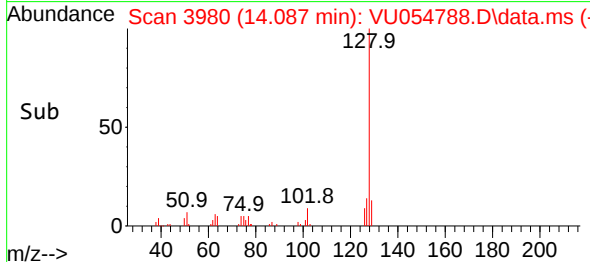
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029



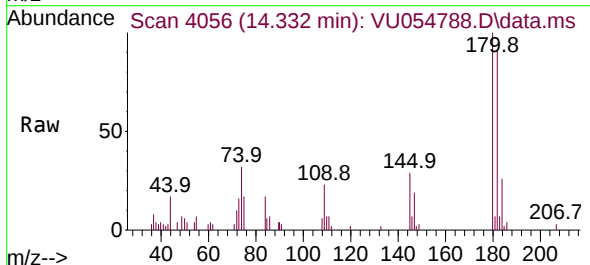
Tgt Ion:128 Resp: 2282
Ion Ratio Lower Upper
128 100
127 4.7 10.0 15.0
129 11.7 8.6 13.0

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



#72
1,2,3-Trichlorobenzene
Concen: 3.744 ug/L
RT: 14.332 min Scan# 4056
Delta R.T. 0.007 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50



Tgt Ion:180 Resp: 7765
Ion Ratio Lower Upper
180 100
182 70.5 76.6 115.0
145 27.8 25.4 38.2

