

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054792.D
 Acq On : 17 Jul 2023 11:30
 Operator : MD/SY
 Sample : VSTD20033
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200033

Quant Time: Jul 18 05:35:05 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	246458	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	258721	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	158923	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	395004	207.366	ug/L	0.00
7) Chloroethane-d5	1.879	69	393293m	206.397	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	578347	211.659	ug/L	0.00
21) 2-Butanone-d5	4.615	46	545589	445.599	ug/L	0.00
24) Chloroform-d	5.055	84	623253	210.189	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	378489	213.159	ug/L	0.00
32) Benzene-d6	5.721	84	1220747	198.082	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.686	67	416223	200.574	ug/L	0.00
41) Toluene-d8	7.894	98	1218020	207.406	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	220197	207.430	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	440566	449.131	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	825302	216.526	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	576421	211.073	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	388530	208.594	ug/L	100
3) Chloromethane	1.519	50	428675	201.809	ug/L	97
5) Vinyl chloride	1.602	62	585886	212.140	ug/L	100
6) Bromomethane	1.824	94	336404	200.124	ug/L	100
8) Chloroethane	1.901	64	391757	205.047	ug/L	100
9) Trichlorofluoromethane	2.120	101	936139	211.774	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	345592	211.929	ug/L	99
12) 1,1-Dichloroethene	2.567	96	332078	216.549	ug/L	97
13) Acetone	2.621	43	390400	379.091	ug/L	99
14) Carbon disulfide	2.782	76	975673	217.891	ug/L	100
15) Methyl Acetate	2.940	43	383009	222.974	ug/L	100
16) Methylene chloride	3.036	84	384704	207.811	ug/L	96
17) trans-1,2-Dichloroethene	3.342	96	343603	216.475	ug/L	98
18) Methyl tert-butyl Ether	3.358	73	1192196	217.032	ug/L	99
19) 1,1-Dichloroethane	3.859	63	651436	215.087	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	401774	212.965	ug/L	97
22) 2-Butanone	4.695	43	600672	427.105	ug/L	99
23) Bromochloromethane	4.969	128	208195	216.921	ug/L	93
25) Chloroform	5.081	83	681351	214.531	ug/L	99
27) 1,2-Dichloroethane	5.788	62	533272	221.097	ug/L	100
29) Cyclohexane	5.380	56	565381	198.737	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	586302	204.197	ug/L	100
31) Carbon tetrachloride	5.518	117	506431	204.244	ug/L	100
33) Benzene	5.769	78	1524845	205.705	ug/L	100
34) Trichloroethene	6.538	95	388057	205.659	ug/L	97
35) Methylcyclohexane	6.756	83	620901	201.350	ug/L	99
37) 1,2-Dichloropropane	6.785	63	415475	203.796	ug/L	99
38) Bromodichloromethane	7.100	83	545056	208.390	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	718294	213.626	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	1366474	437.741	ug/L	100
42) Toluene	7.965	91	1751557	211.163	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	692698	219.274	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054792.D
 Acq On : 17 Jul 2023 11:30
 Operator : MD/SY
 Sample : VSTD20033
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200033

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 05:35:05 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)
45) 1,1,2-Trichloroethane	8.396	97	437088	210.288	ug/L	99
46) Tetrachloroethene	8.550	164	297722	205.808	ug/L	98
48) 2-Hexanone	8.682	43	1148315	455.152	ug/L	98
49) Dibromochloromethane	8.808	129	470367	219.704	ug/L	100
50) 1,2-Dibromoethane	8.920	107	473702	211.733	ug/L	95
51) Chlorobenzene	9.444	112	1159403	214.851	ug/L	98
52) Ethylbenzene	9.566	91	2081407	217.038	ug/L	94
53) m,p-Xylene	9.692	106	799385	218.935	ug/L	91
54) o-Xylene	10.097	106	834374	224.945	ug/L	90
55) Styrene	10.110	104	1508342	233.483	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	894922	218.080	ug/L	98
59) Bromoform	10.287	173	426899	214.754	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	632204	203.872	ug/L	99
61) Isopropylbenzene	10.480	105	2216323	211.071	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	1891376	218.717	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	1891446	220.665	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	1026505	210.788	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	1046910	213.437	ug/L	90
67) 1,2-Dichlorobenzene	12.209	146	1039445	212.479	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	182229	219.869	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	707730	216.799	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	657755	233.391	ug/L	98
71) Naphthalene	14.081	128	2212650	239.204	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	631318	230.039	ug/L	99

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

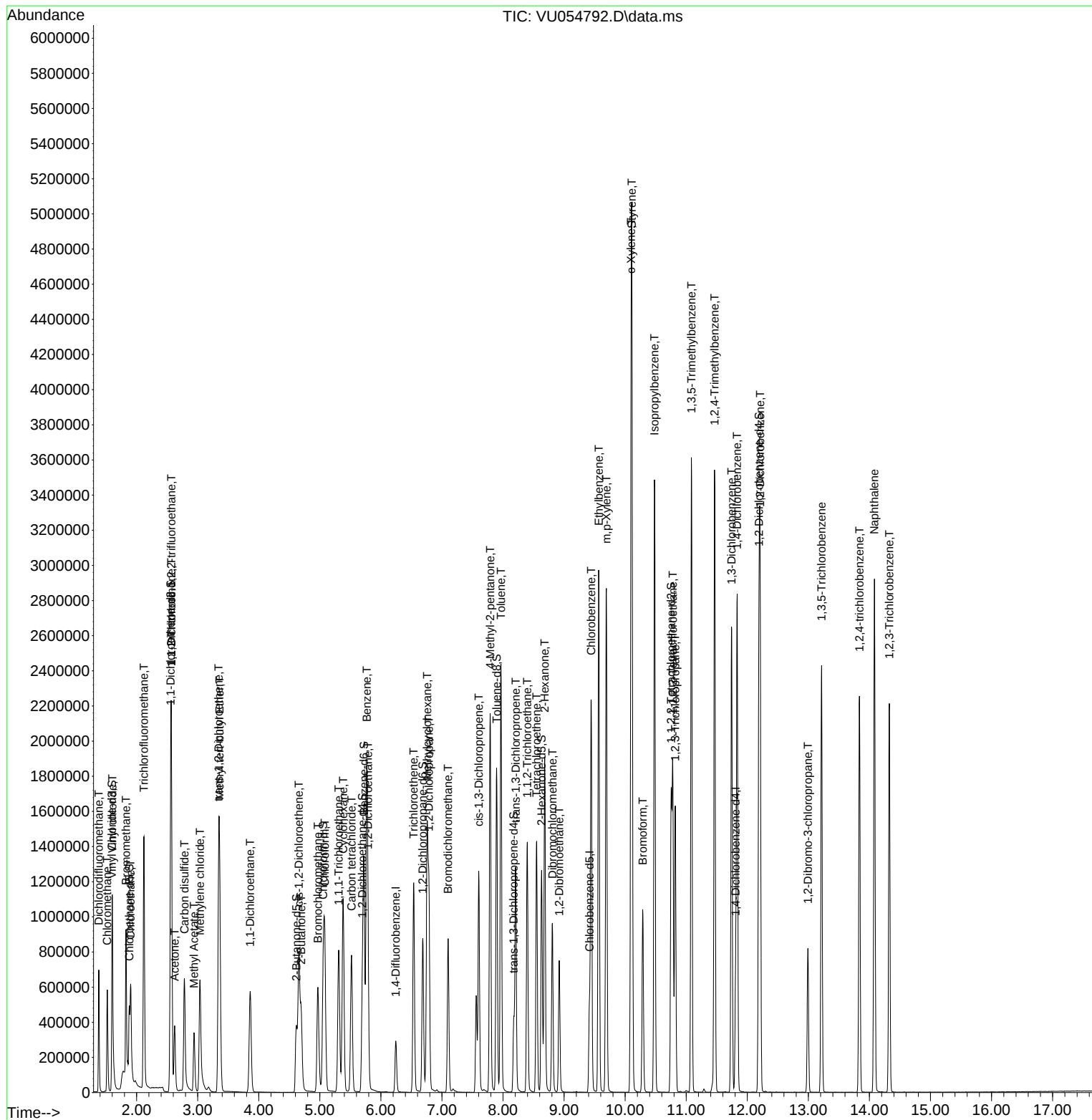
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
Data File : VU054792.D
Acq On : 17 Jul 2023 11:30
Operator : MD/SY
Sample : VSTD20033
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

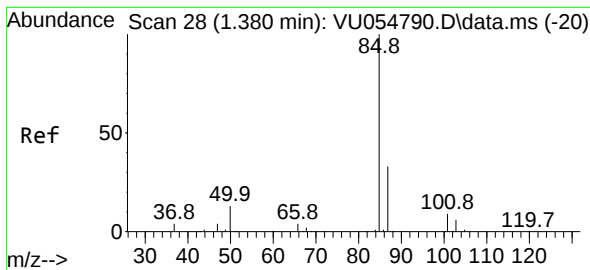
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033

Manual Integrations
APPROVED

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

Quant Time: Jul 18 05:35:05 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





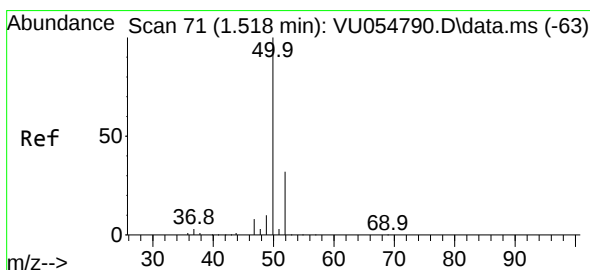
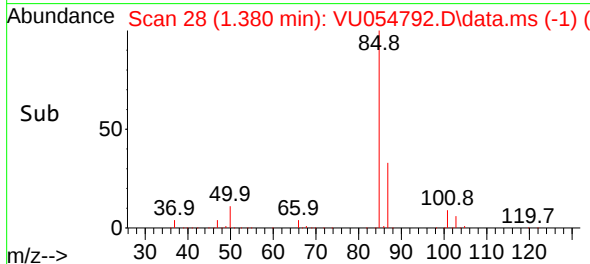
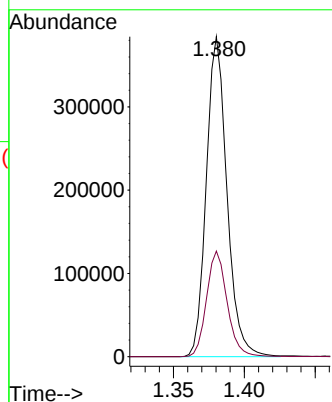
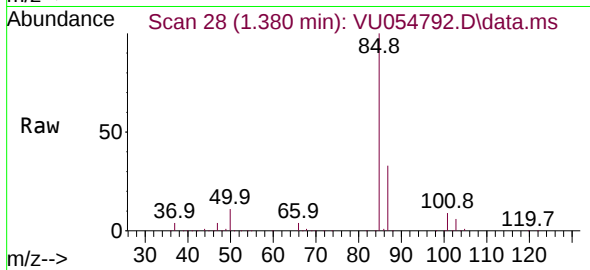
#2
Dichlorodifluoromethane
Concen: 208.594 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD200033

Tgt Ion: 85 Resp: 388530
Ion Ratio Lower Upper
85 100
87 33.0 26.2 39.2

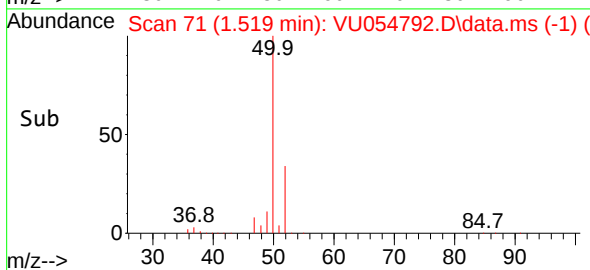
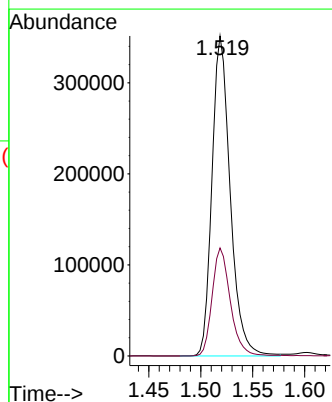
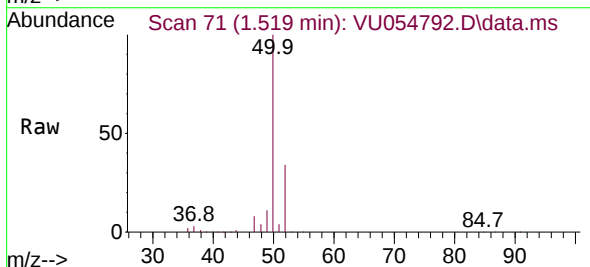
Manual Integrations
APPROVED

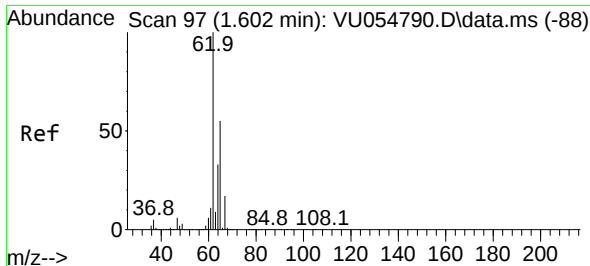
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#3
Chloromethane
Concen: 201.809 ug/L
RT: 1.519 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

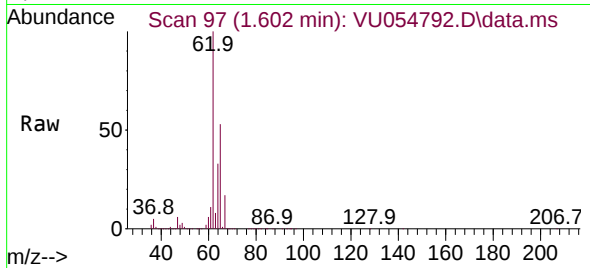
Tgt Ion: 50 Resp: 428675
Ion Ratio Lower Upper
50 100
52 33.7 22.5 41.9





#5
 Vinyl chloride
 Concen: 212.140 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU054792.D
 Acq: 17 Jul 2023 11:30

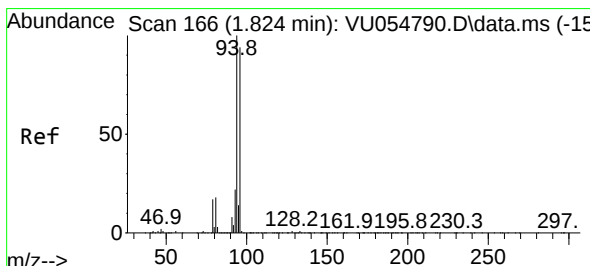
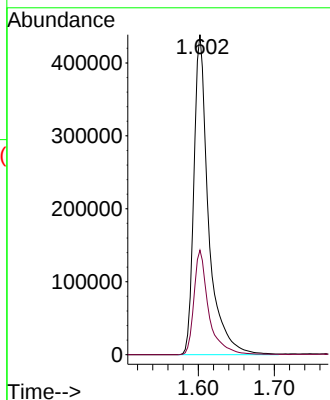
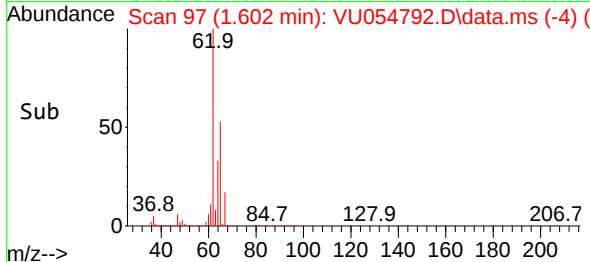
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200033



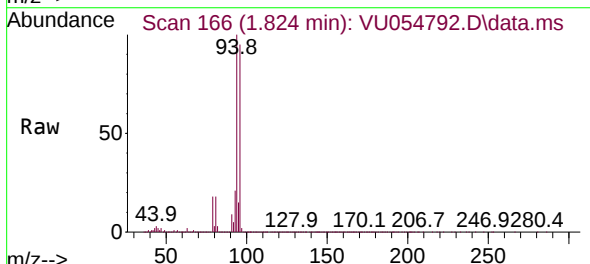
Tgt Ion: 62 Resp: 585880
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5

Manual Integrations
 APPROVED

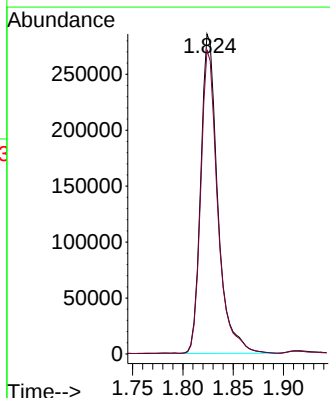
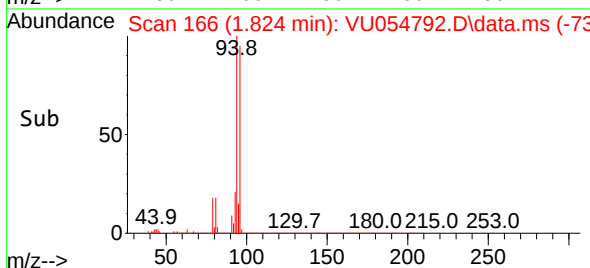
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023

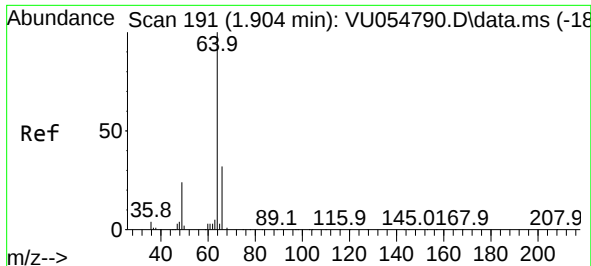


#6
 Bromomethane
 Concen: 200.124 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. 0.000 min
 Lab File: VU054792.D
 Acq: 17 Jul 2023 11:30



Tgt Ion: 94 Resp: 336404
 Ion Ratio Lower Upper
 94 100
 96 94.9 66.1 122.8





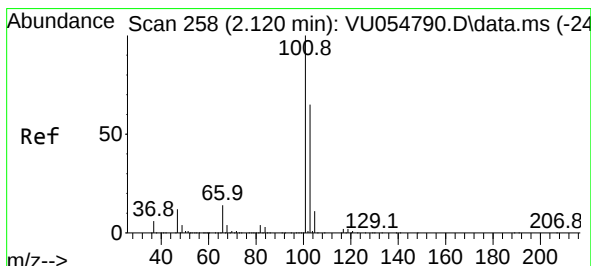
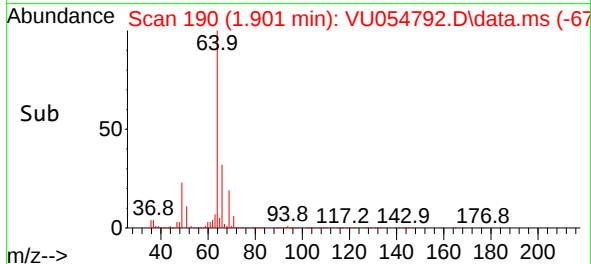
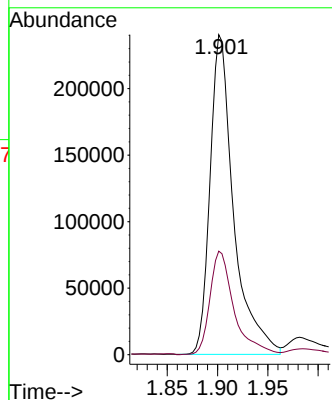
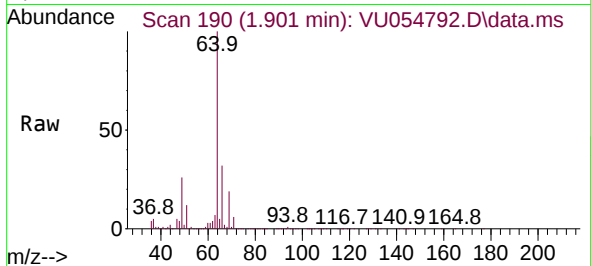
#8
Chloroethane
Concen: 205.047 ug/L
RT: 1.901 min Scan# 191
Delta R.T. -0.003 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD200033

Tgt Ion: 64 Resp: 39175
Ion Ratio Lower Upper
64 100
66 32.4 22.8 42.4

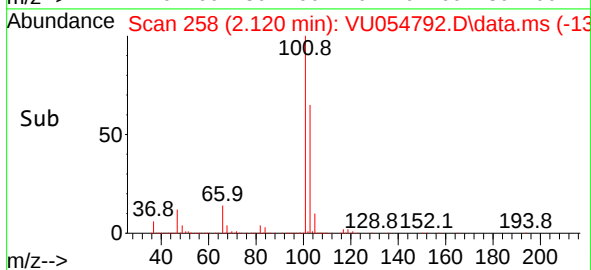
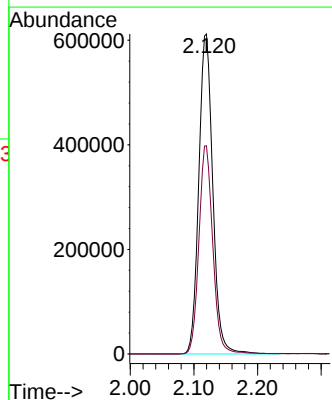
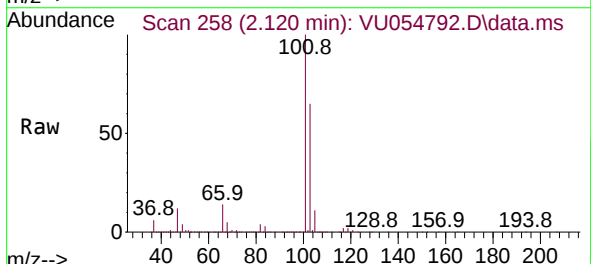
Manual Integrations
APPROVED

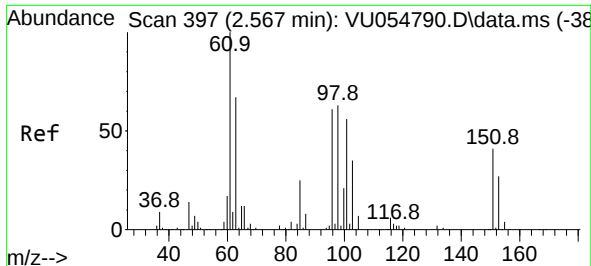
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#9
Trichlorofluoromethane
Concen: 211.774 ug/L
RT: 2.120 min Scan# 258
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Tgt Ion:101 Resp: 936139
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2





#10

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

Concen: 211.929 ug/L

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU054792.D

Acq: 17 Jul 2023 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD200033

Tgt Ion:101 Resp: 345592

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

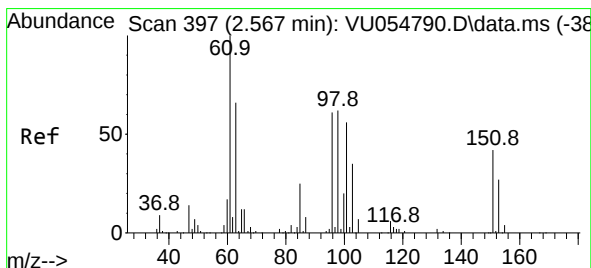
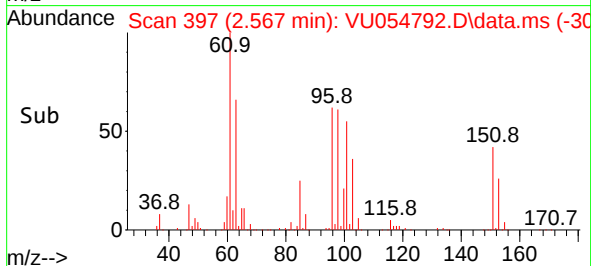
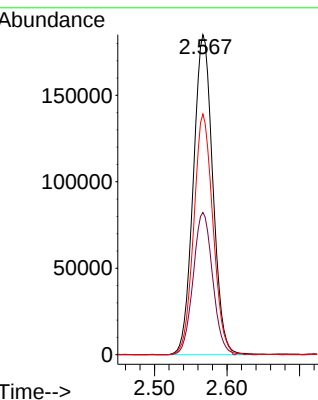
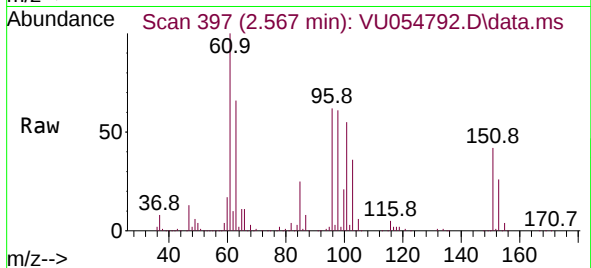
151 73.8 58.2 87.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#12

1,1-Dichloroethene

Concen: 216.549 ug/L

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU054792.D

Acq: 17 Jul 2023 11:30

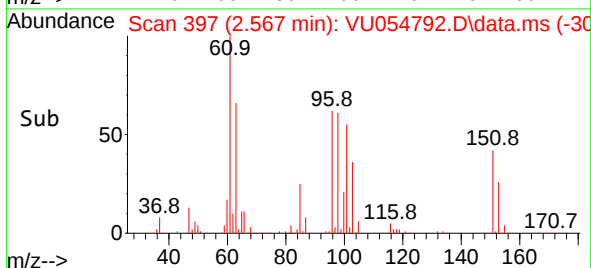
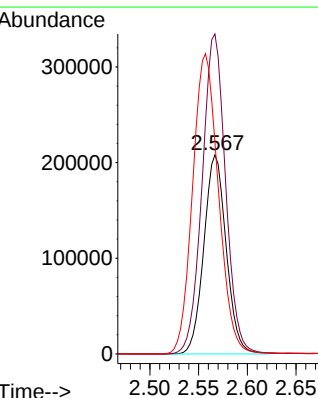
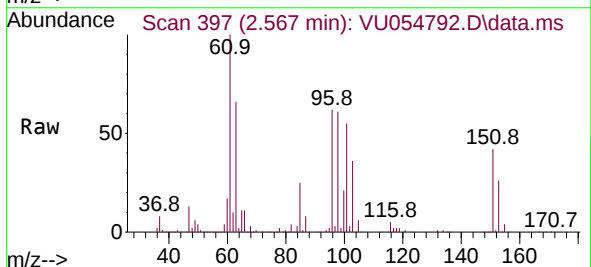
Tgt Ion: 96 Resp: 332078

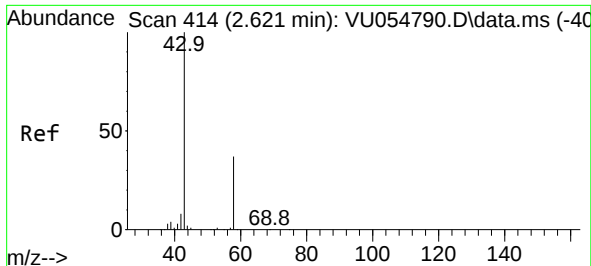
Ion Ratio Lower Upper

96 100

61 160.8 115.0 213.6

63 106.5 77.6 144.0





#13

Acetone

Concen: 379.091 ug/L

RT: 2.621 min Scan# 414

Delta R.T. 0.000 min

Lab File: VU054792.D

Acq: 17 Jul 2023 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD200033

Tgt Ion: 43 Resp: 390400

Ion Ratio Lower Upper

43 100

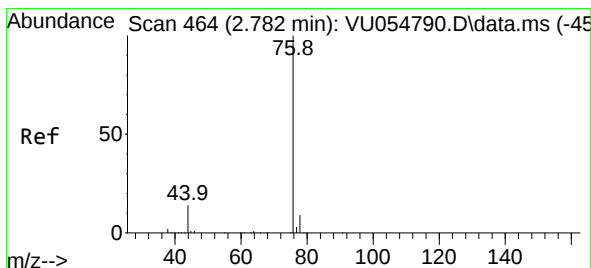
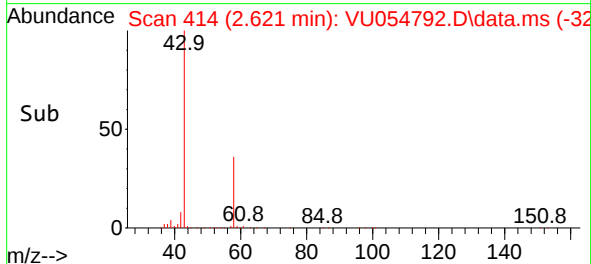
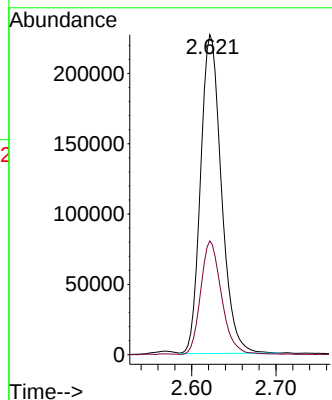
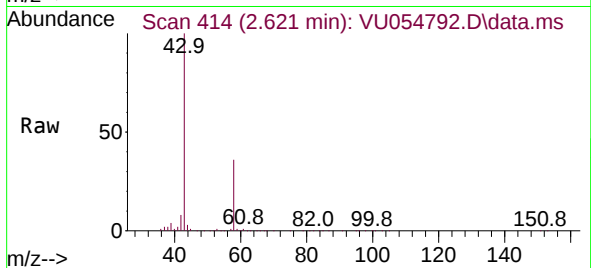
58 35.7 0.0 72.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#14

Carbon disulfide

Concen: 217.891 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU054792.D

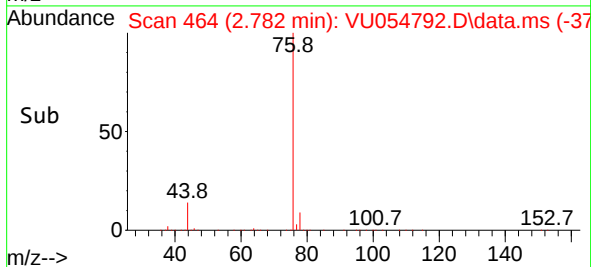
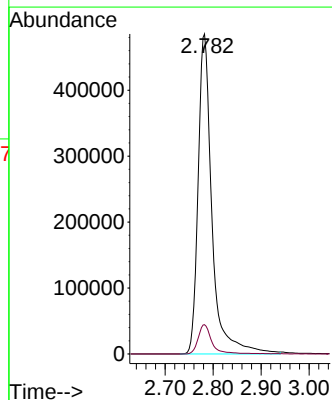
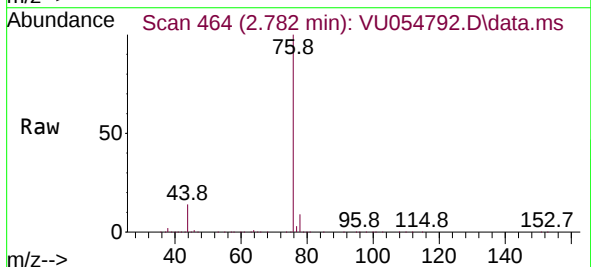
Acq: 17 Jul 2023 11:30

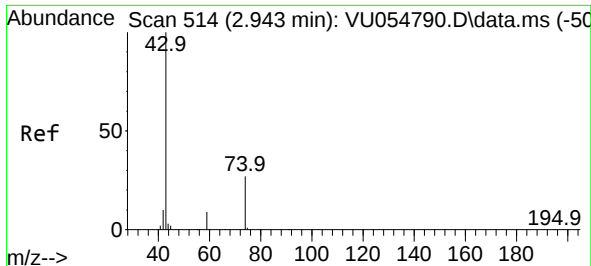
Tgt Ion: 76 Resp: 975673

Ion Ratio Lower Upper

76 100

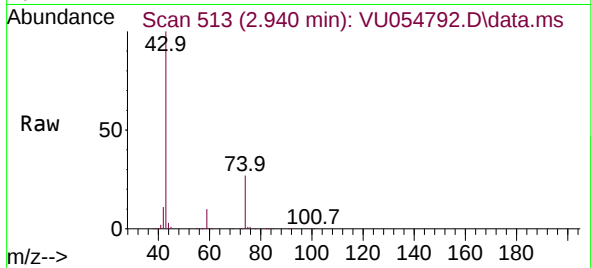
78 9.1 7.4 11.0





#15
Methyl Acetate
Concen: 222.974 ug/L
RT: 2.940 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

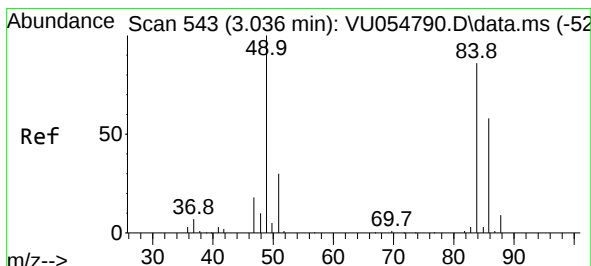
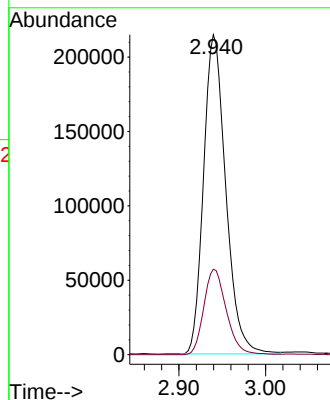
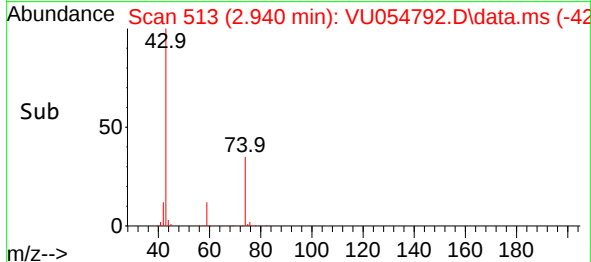
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



Tgt Ion: 43 Resp: 383009
Ion Ratio Lower Upper
43 100
74 27.1 21.8 32.8

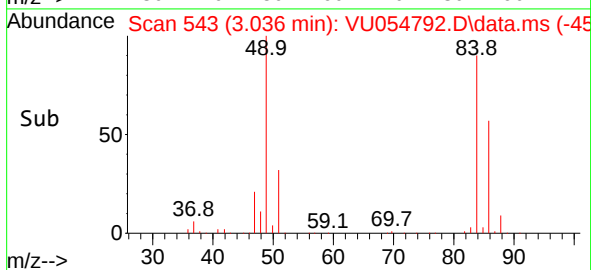
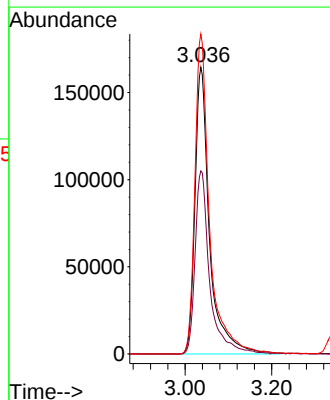
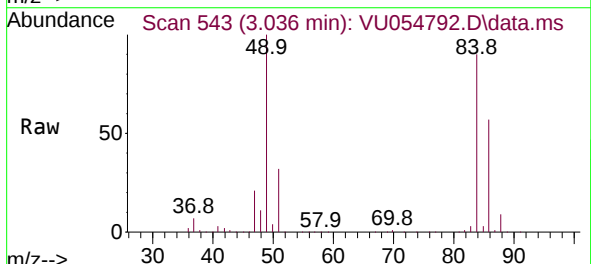
Manual Integrations
APPROVED

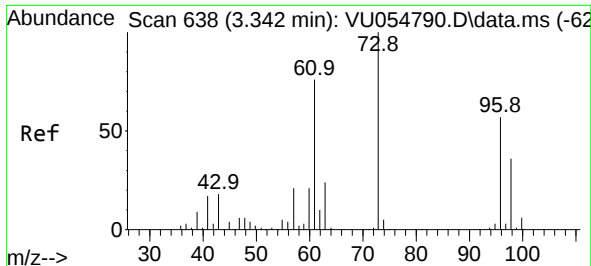
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#16
Methylene chloride
Concen: 207.811 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

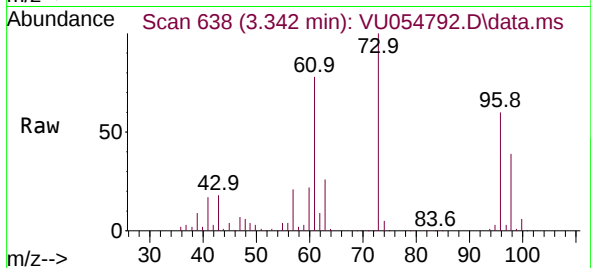
Tgt Ion: 84 Resp: 384704
Ion Ratio Lower Upper
84 100
86 63.9 46.8 87.0
49 111.6 81.3 151.1





#17
trans-1,2-Dichloroethene
Concen: 216.475 ug/L
RT: 3.342 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

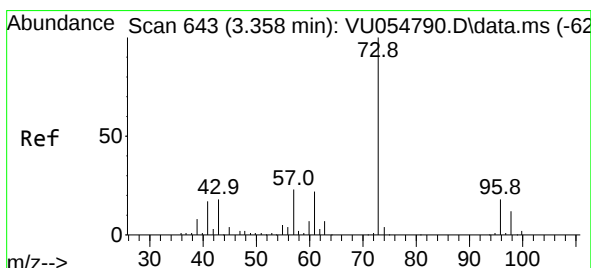
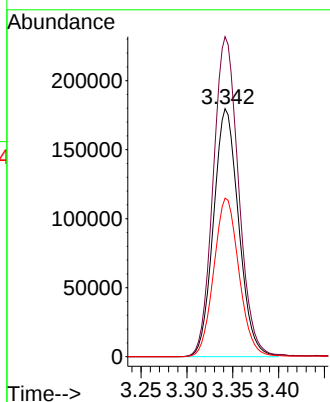
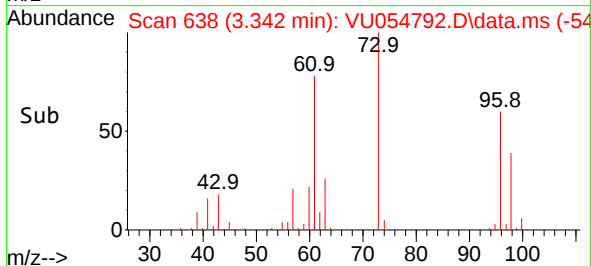
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



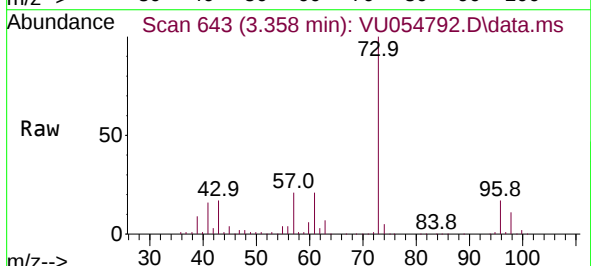
Tgt Ion: 96 Resp: 34360
Ion Ratio Lower Upper
96 100
61 129.0 93.2 173.2
98 64.0 44.7 82.9

Manual Integrations
APPROVED

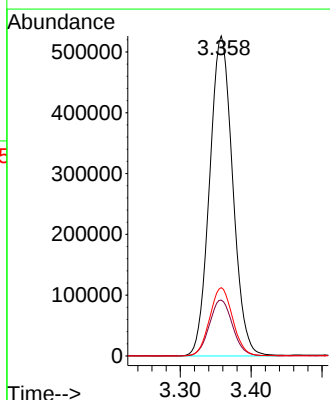
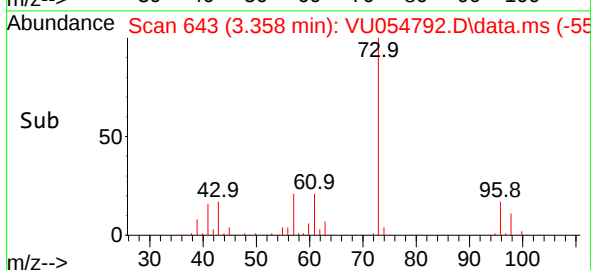
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

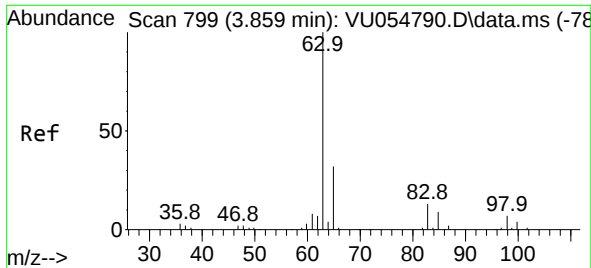


#18
Methyl tert-butyl Ether
Concen: 217.032 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30



Tgt Ion: 73 Resp: 1192196
Ion Ratio Lower Upper
73 100
43 17.6 14.3 21.5
57 21.3 17.4 26.0





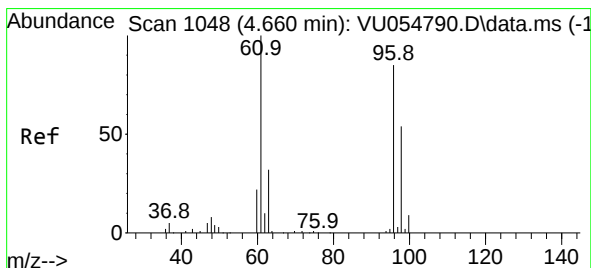
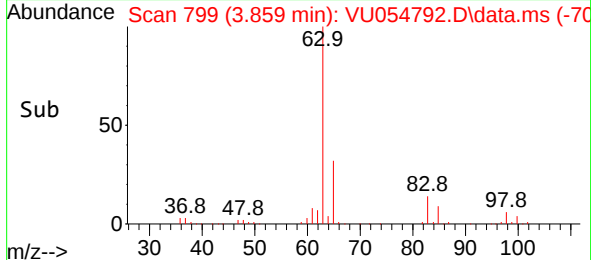
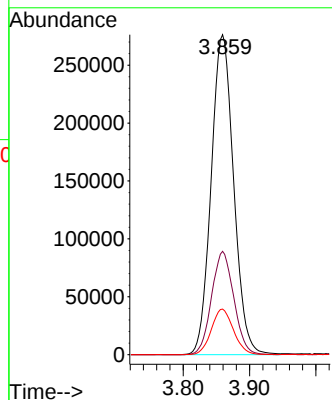
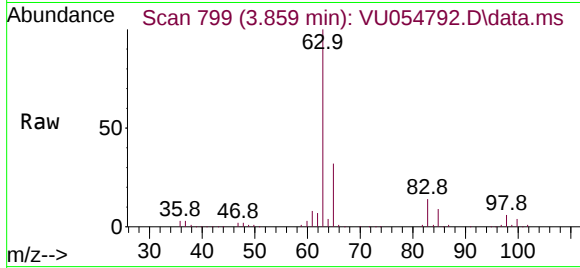
#19
1,1-Dichloroethane
Concen: 215.087 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD200033

Tgt Ion: 63 Resp: 651436
Ion Ratio Lower Upper
63 100
65 32.3 22.1 41.1
83 14.2 9.4 17.4

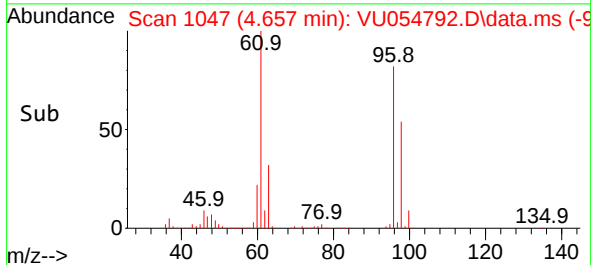
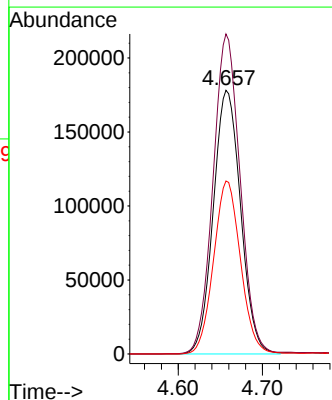
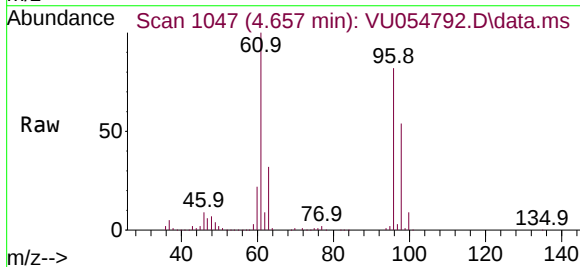
Manual Integrations
APPROVED

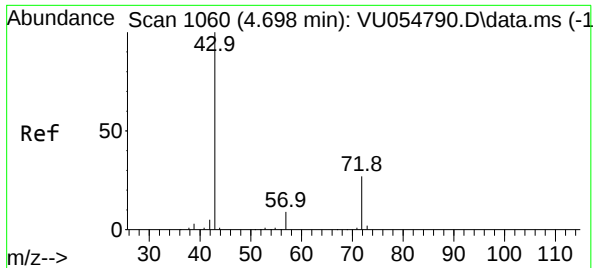
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#20
cis-1,2-Dichloroethene
Concen: 212.965 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

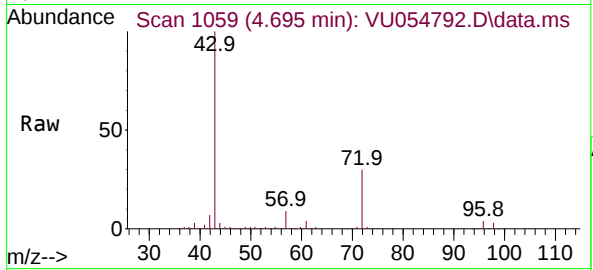
Tgt Ion: 96 Resp: 401774
Ion Ratio Lower Upper
96 100
61 121.4 82.7 153.7
98 65.6 44.4 82.5





#22
2-Butanone
Concen: 427.105 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. -0.003 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

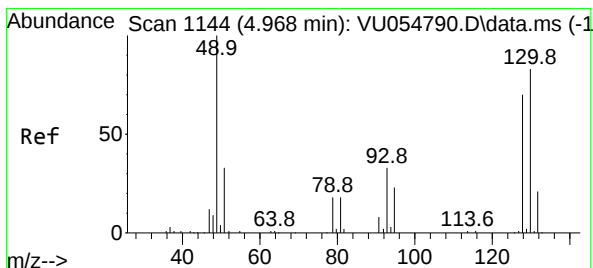
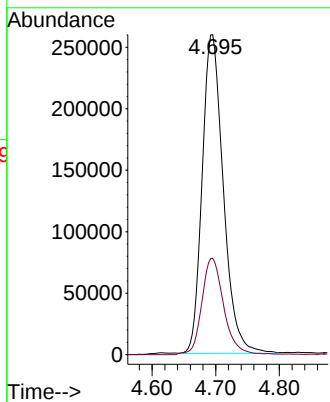
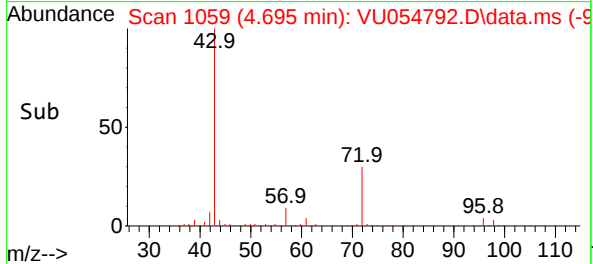
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



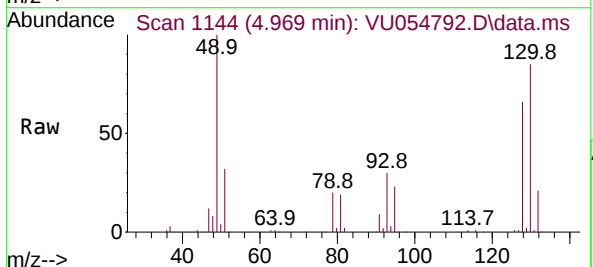
Tgt Ion: 43 Resp: 600672
Ion Ratio Lower Upper
43 100
72 31.0 15.2 45.6

Manual Integrations
APPROVED

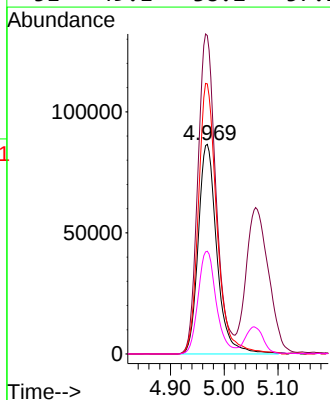
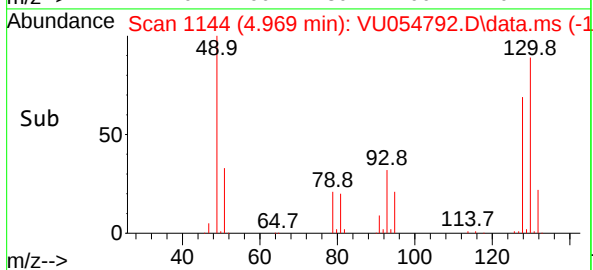
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

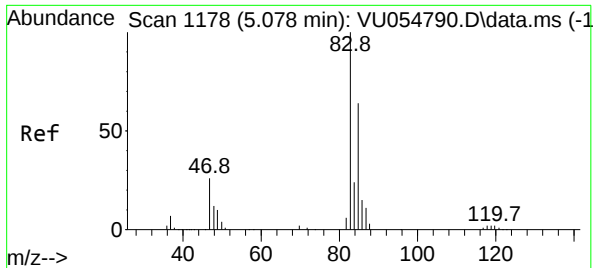


#23
Bromochloromethane
Concen: 216.921 ug/L
RT: 4.969 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30



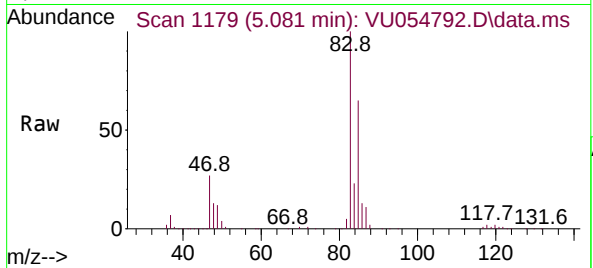
Tgt Ion:128 Resp: 208195
Ion Ratio Lower Upper
128 100
49 152.0 100.6 186.8
130 128.9 83.0 154.1
51 49.1 38.2 57.2





#25
Chloroform
Concen: 214.531 ug/L
RT: 5.081 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

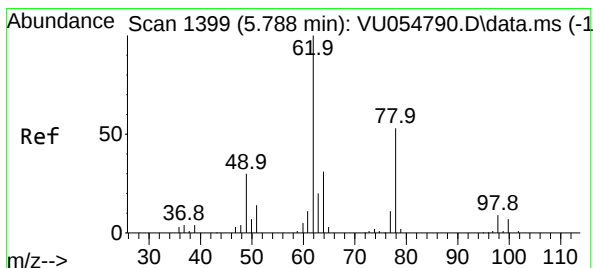
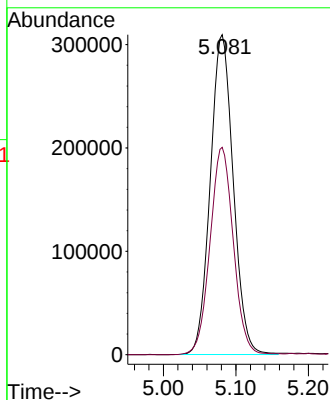
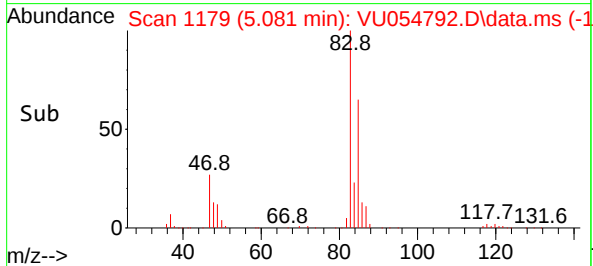
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



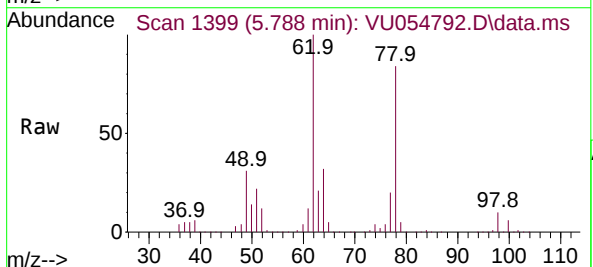
Tgt Ion: 83 Resp: 68135
Ion Ratio Lower Upper
83 100
85 64.8 44.7 82.9

Manual Integrations
APPROVED

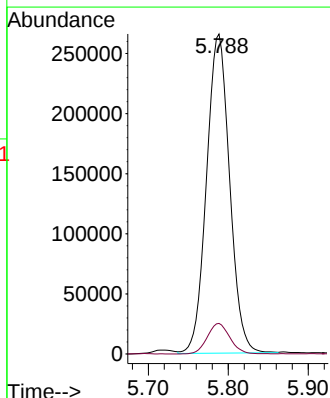
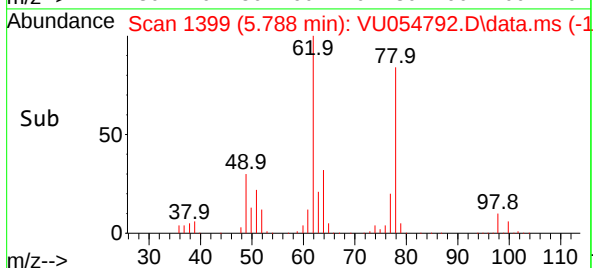
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

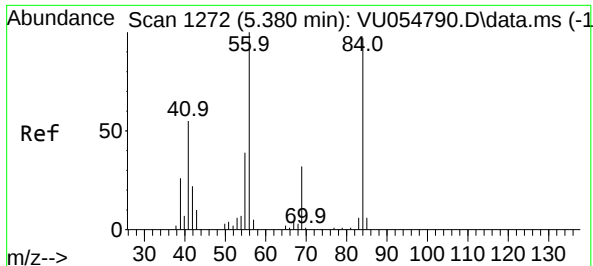


#27
1,2-Dichloroethane
Concen: 221.097 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30



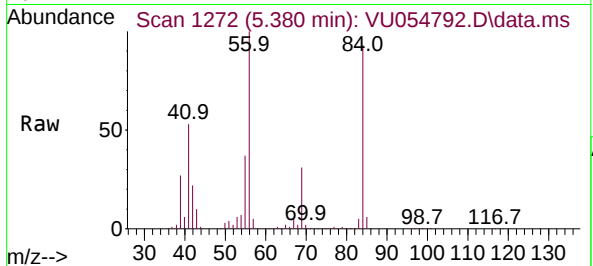
Tgt Ion: 62 Resp: 533272
Ion Ratio Lower Upper
62 100
98 9.6 7.5 11.3





#29
Cyclohexane
Concen: 198.737 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

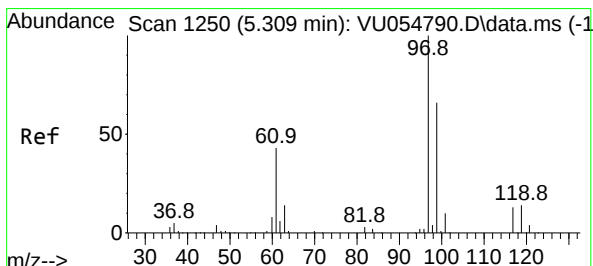
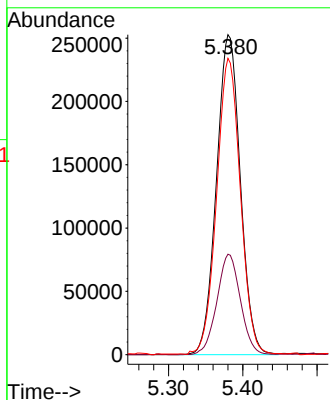
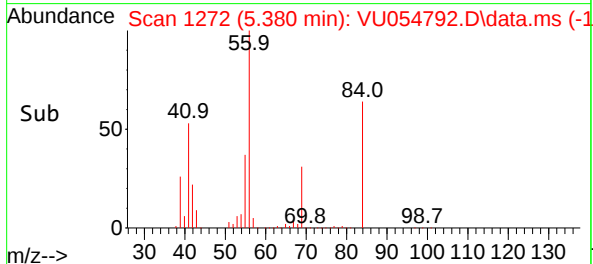
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



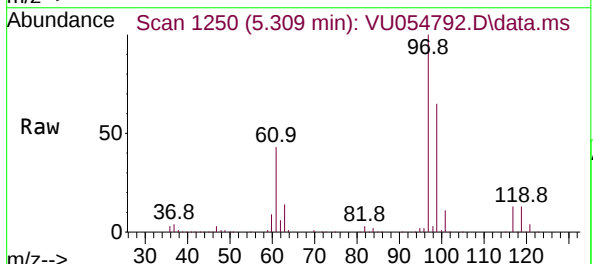
Tgt Ion: 56 Resp: 56538
Ion Ratio Lower Upper
56 100
69 30.9 25.8 38.8
84 91.6 75.9 113.9

Manual Integrations
APPROVED

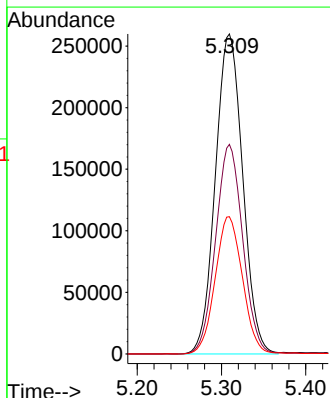
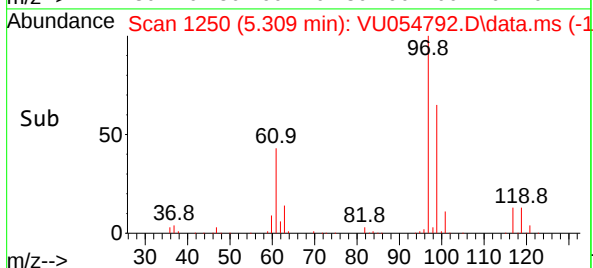
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

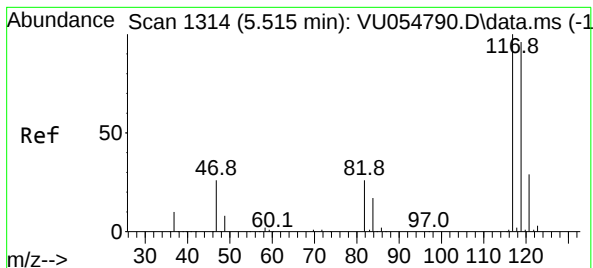


#30
1,1,1-Trichloroethane
Concen: 204.197 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30



Tgt Ion: 97 Resp: 586302
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 42.7 34.3 51.5





#31

Carbon tetrachloride

Concen: 204.244 ug/L

RT: 5.518 min Scan# 1117

Delta R.T. 0.003 min

Lab File: VU054792.D

Acq: 17 Jul 2023 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD200033

Tgt Ion:117 Resp: 50643

Ion Ratio Lower Upper

117 100

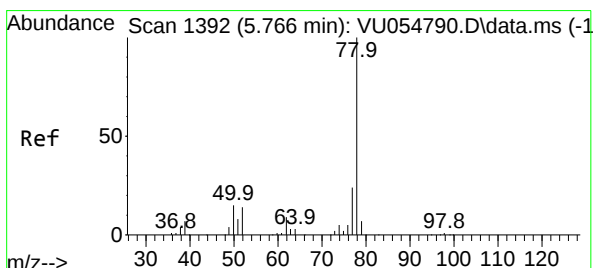
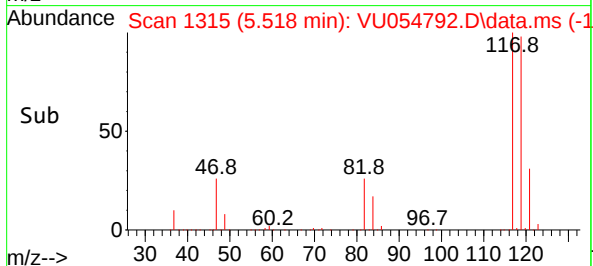
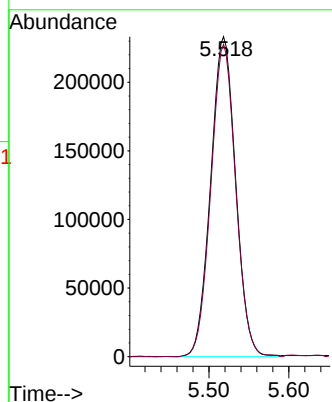
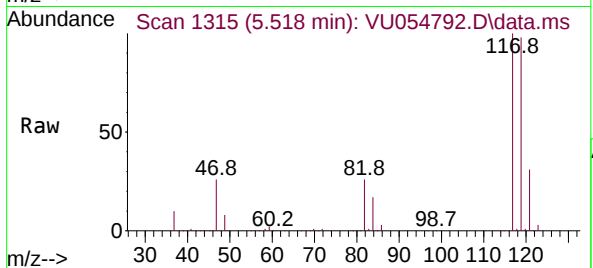
119 96.6 77.4 116.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#33

Benzene

Concen: 205.705 ug/L

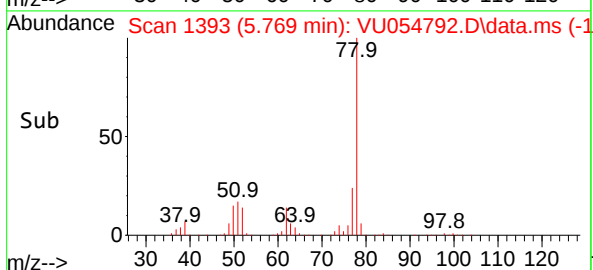
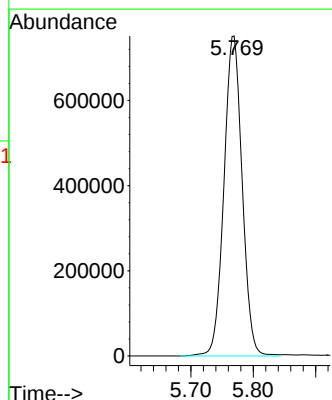
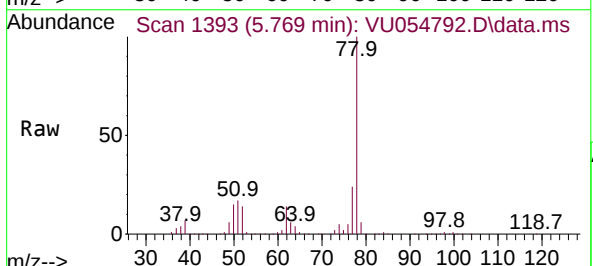
RT: 5.769 min Scan# 1393

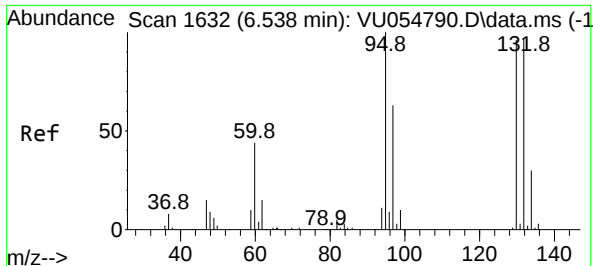
Delta R.T. 0.003 min

Lab File: VU054792.D

Acq: 17 Jul 2023 11:30

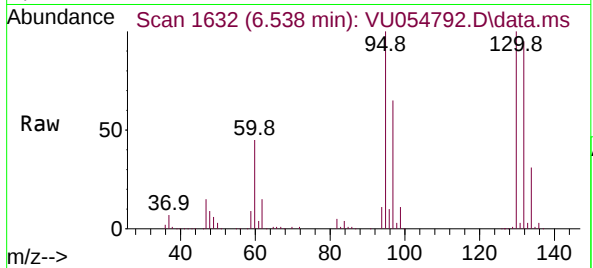
Tgt Ion: 78 Resp: 1524845





#34
Trichloroethene
Concen: 205.659 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

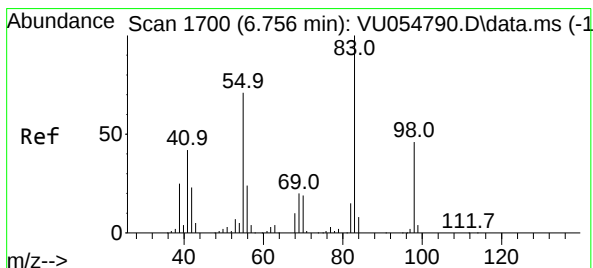
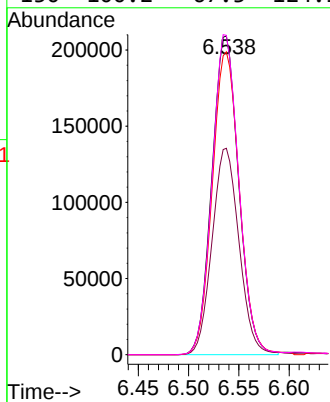
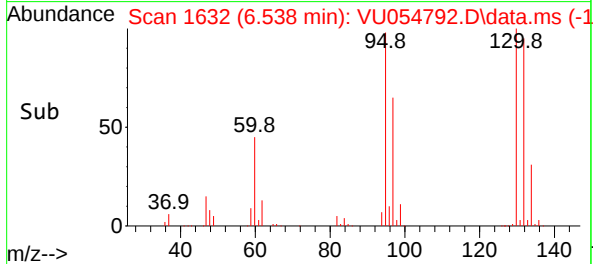
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



Tgt Ion: 95 Resp: 38805
Ion Ratio Lower Upper
95 100
97 64.8 44.0 81.8
132 95.0 67.9 126.1
130 100.2 67.3 124.9

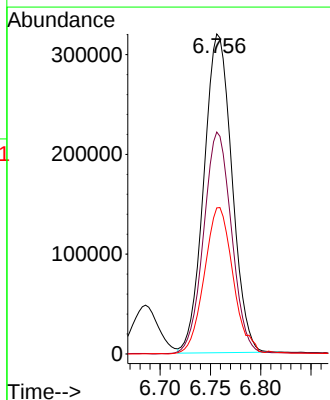
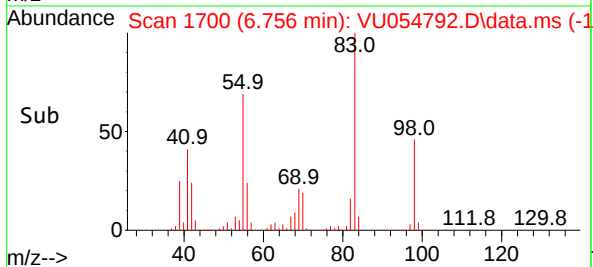
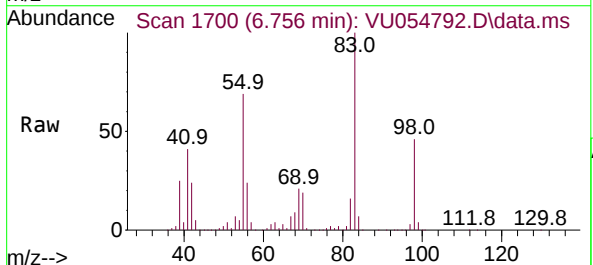
Manual Integrations
APPROVED

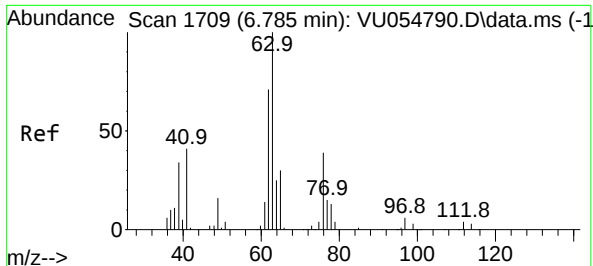
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#35
Methylcyclohexane
Concen: 201.350 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Tgt Ion: 83 Resp: 620901
Ion Ratio Lower Upper
83 100
55 69.5 55.8 83.8
98 47.0 38.6 58.0





#37

1,2-Dichloropropane

Concen: 203.796 ug/L

RT: 6.785 min Scan# 1709

Delta R.T. 0.000 min

Lab File: VU054792.D

Acq: 17 Jul 2023 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD200033

Tgt Ion: 63 Resp: 415479

Ion Ratio Lower Upper

63 100

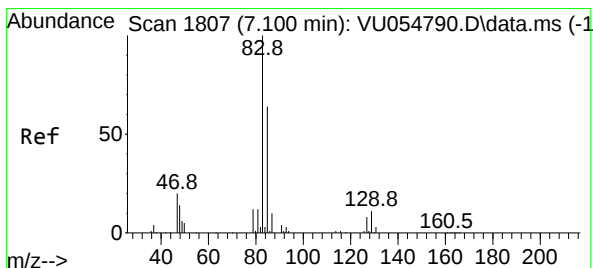
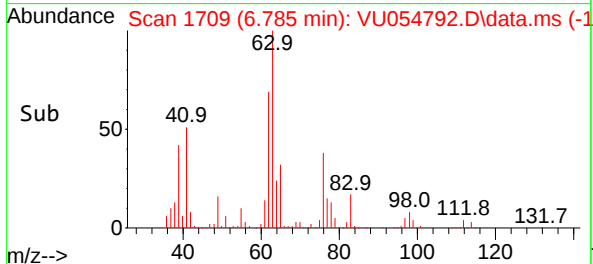
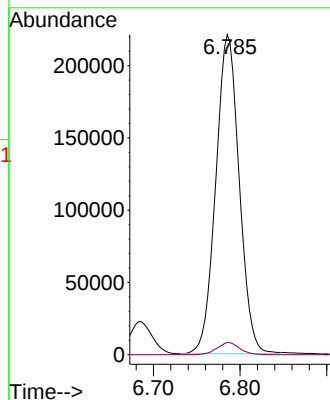
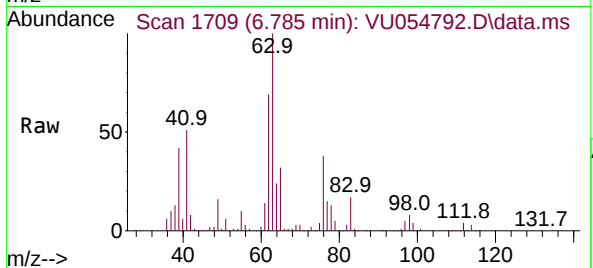
112 3.6 3.1 4.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#38

Bromodichloromethane

Concen: 208.390 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU054792.D

Acq: 17 Jul 2023 11:30

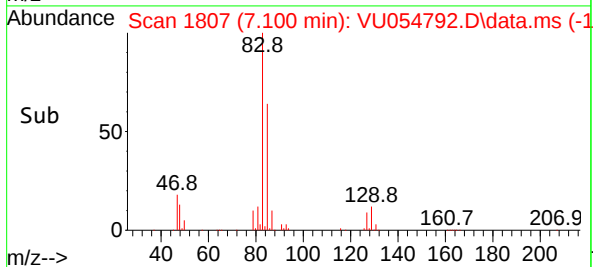
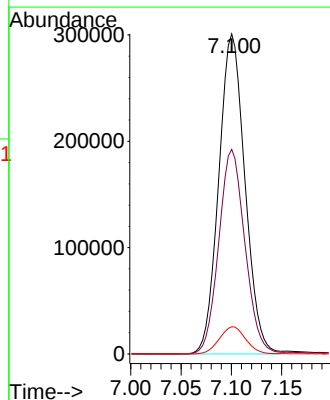
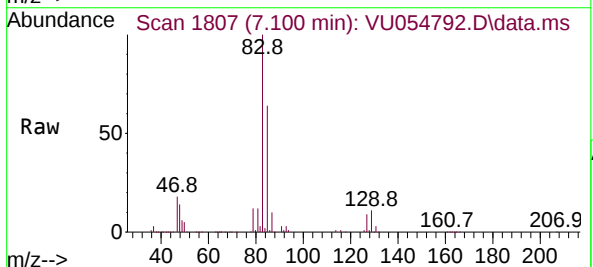
Tgt Ion: 83 Resp: 545056

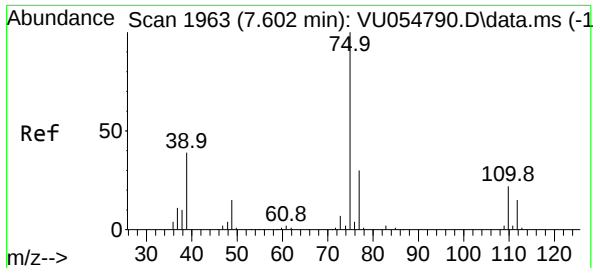
Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.3

127 8.5 7.2 10.8





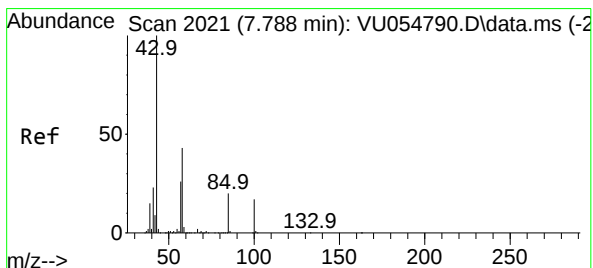
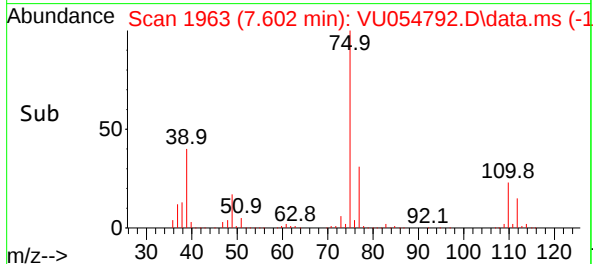
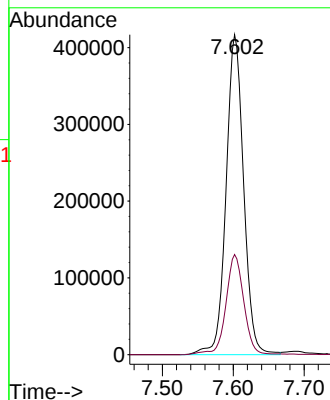
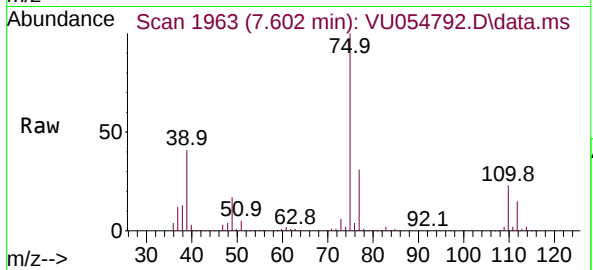
#39
 cis-1,3-Dichloropropene
 Concen: 213.626 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU054792.D
 Acq: 17 Jul 2023 11:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200033

Tgt Ion: 75 Resp: 718294
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.1 39.1

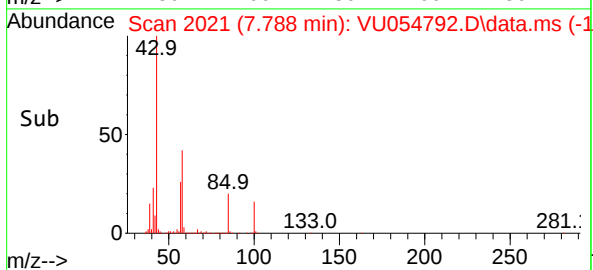
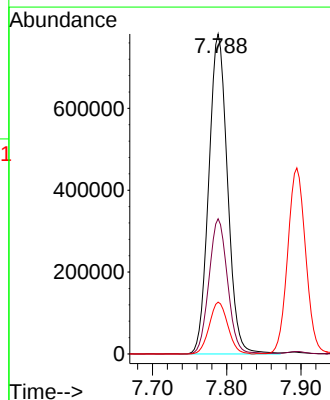
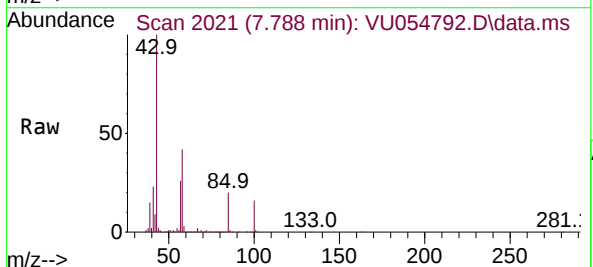
Manual Integrations
 APPROVED

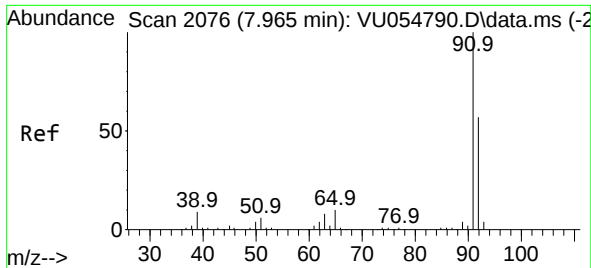
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023



#40
 4-Methyl-2-pentanone
 Concen: 437.741 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.000 min
 Lab File: VU054792.D
 Acq: 17 Jul 2023 11:30

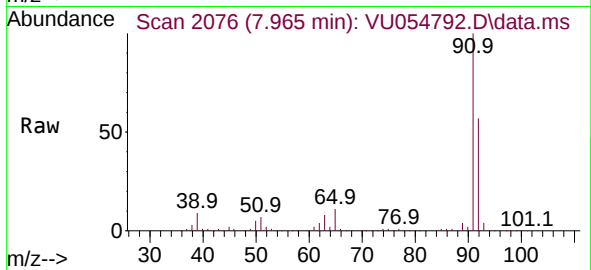
Tgt Ion: 43 Resp: 1366474
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.7 50.5
 100 16.1 13.0 19.4





#42
Toluene
Concen: 211.163 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

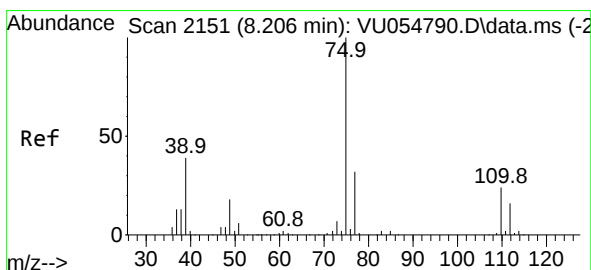
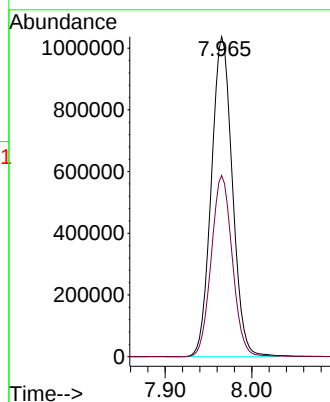
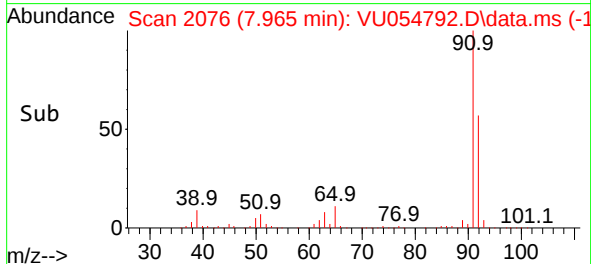
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



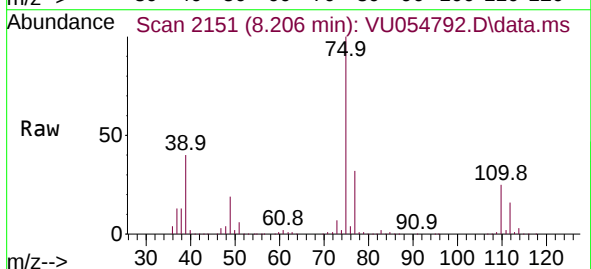
Tgt Ion: 91 Resp: 175155
Ion Ratio Lower Upper
91 100
92 56.6 40.1 74.5

Manual Integrations
APPROVED

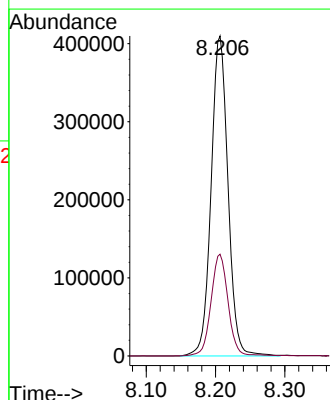
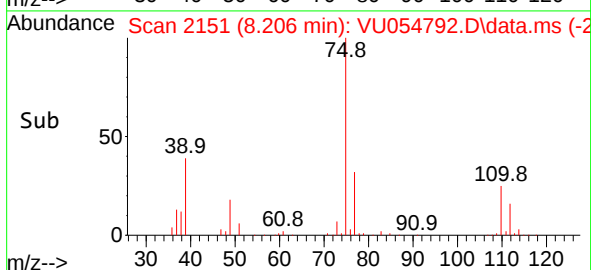
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

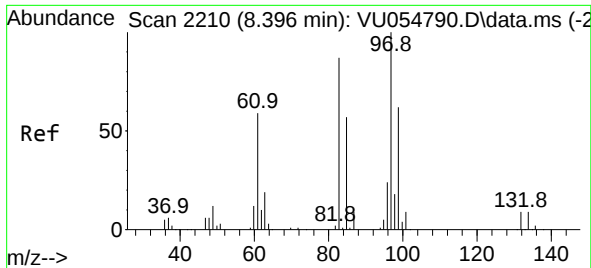


#44
trans-1,3-Dichloropropene
Concen: 219.274 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30



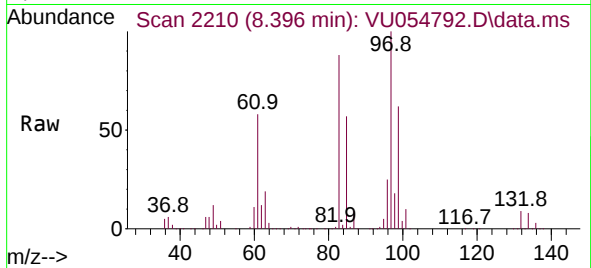
Tgt Ion: 75 Resp: 692698
Ion Ratio Lower Upper
75 100
77 31.8 22.7 42.1





#45
1,1,2-Trichloroethane
Concen: 210.288 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD200033

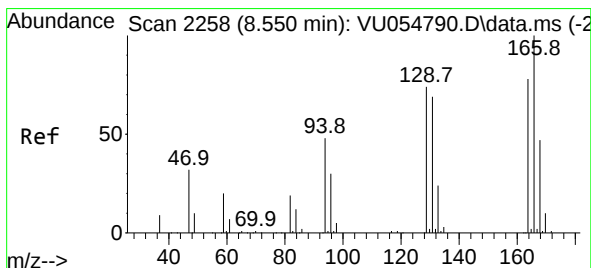
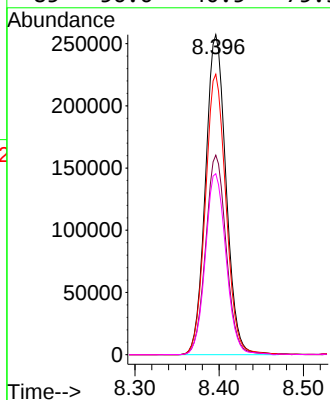
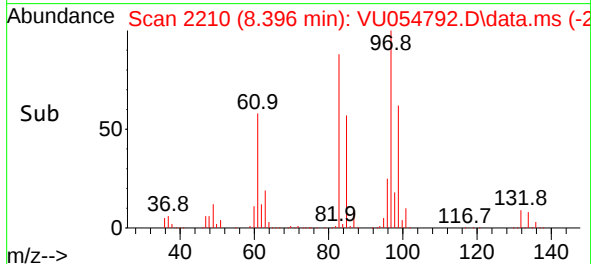


Tgt Ion: 97 Resp: 437088

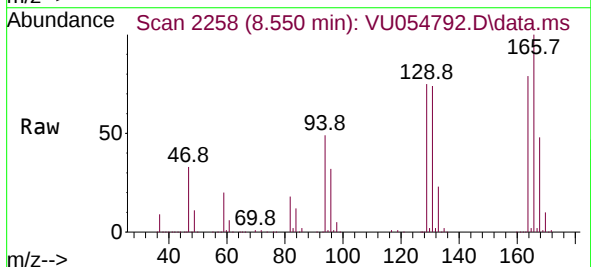
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.3	80.5
83	87.7	60.6	112.6
85	56.6	40.5	75.3

Manual Integrations
APPROVED

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

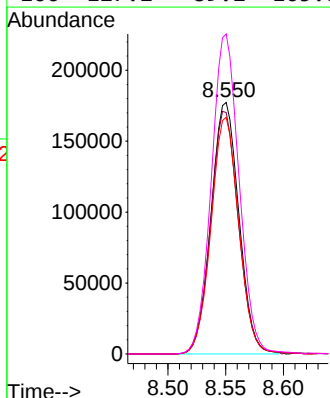
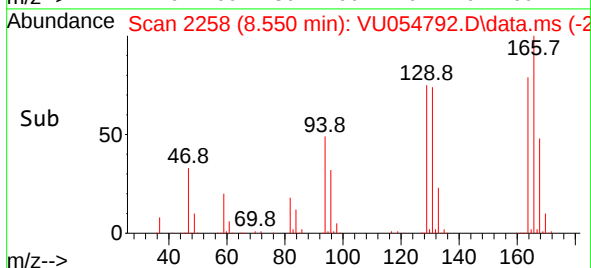


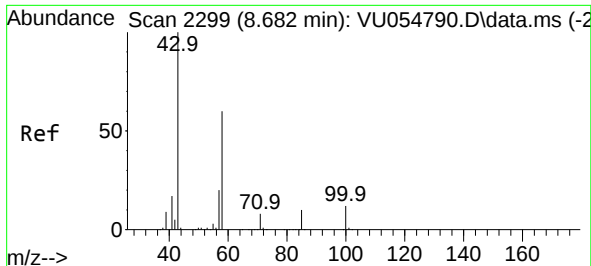
#46
Tetrachloroethene
Concen: 205.808 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30



Tgt Ion:164 Resp: 297722

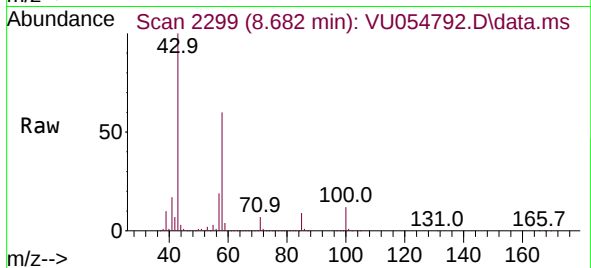
Ion	Ratio	Lower	Upper
164	100		
129	96.0	66.2	123.0
131	94.0	61.9	115.1
166	127.2	89.2	165.8





#48
2-Hexanone
Concen: 455.152 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

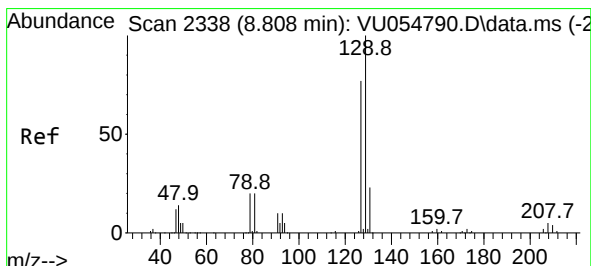
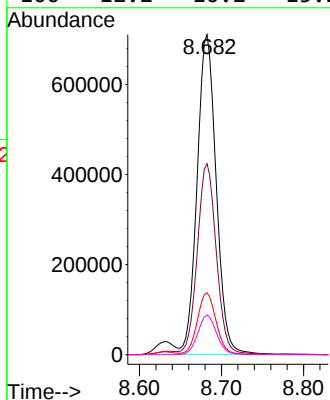
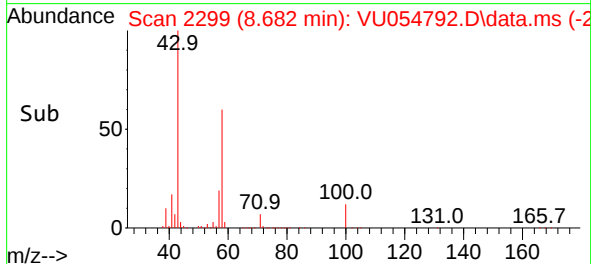
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



Tgt Ion: 43 Resp: 114831
Ion Ratio Lower Upper
43 100
58 59.8 46.5 69.7
57 18.9 15.4 23.2
100 12.2 10.2 15.2

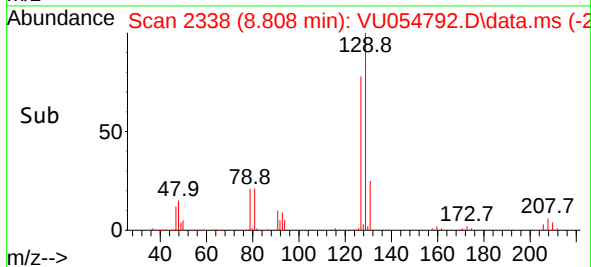
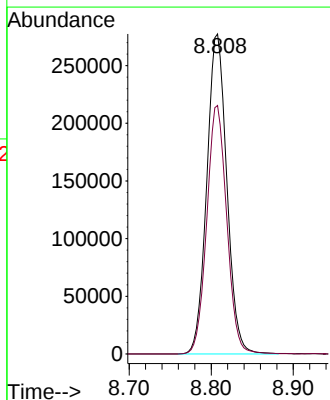
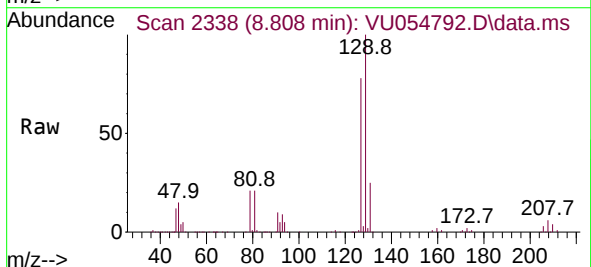
Manual Integrations
APPROVED

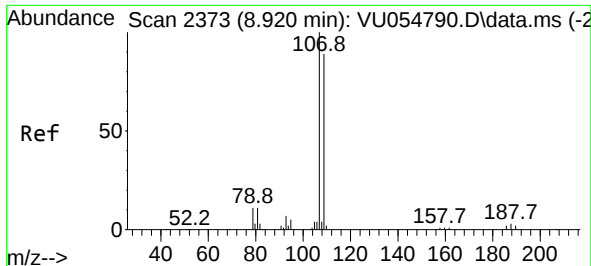
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#49
Dibromochloromethane
Concen: 219.704 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Tgt Ion:129 Resp: 470367
Ion Ratio Lower Upper
129 100
127 77.6 54.4 101.0





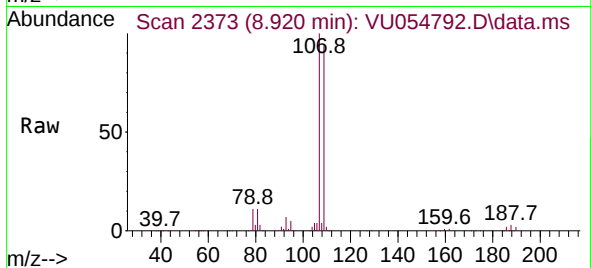
#50
1,2-Dibromoethane
Concen: 211.733 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD200033



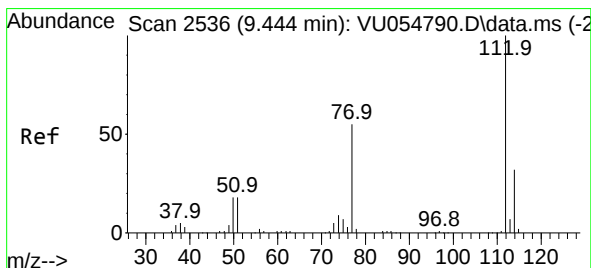
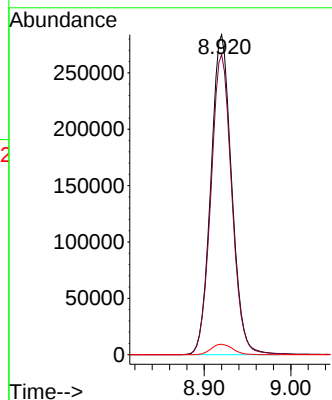
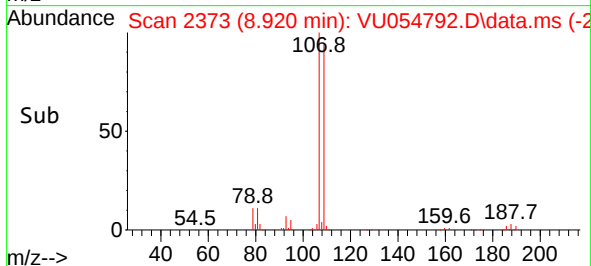
Tgt Ion:107 Resp: 473702
Ion Ratio Lower Upper
107 100
109 93.8 62.5 116.1
188 3.3 2.6 4.0

Manual Integrations

APPROVED

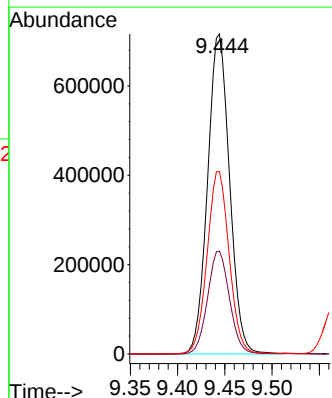
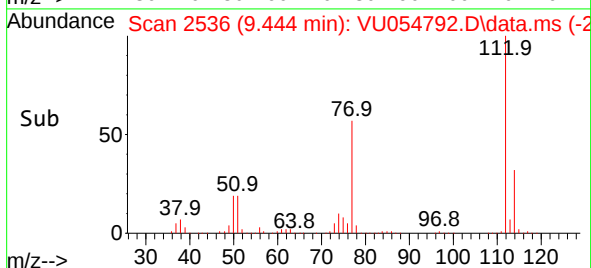
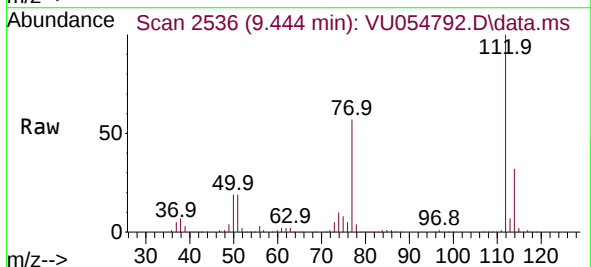
Reviewed By :John Carlone 07/18/2023

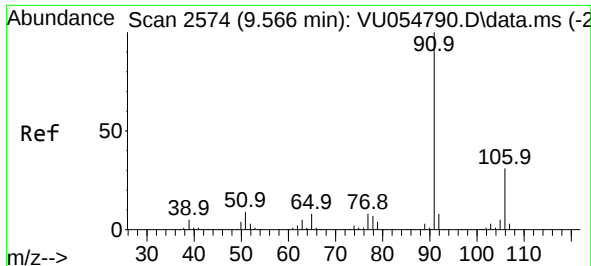
Supervised By :Mahesh Dadoda 07/18/2023



#51
Chlorobenzene
Concen: 214.851 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Tgt Ion:112 Resp: 1159403
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 57.0 44.2 66.4





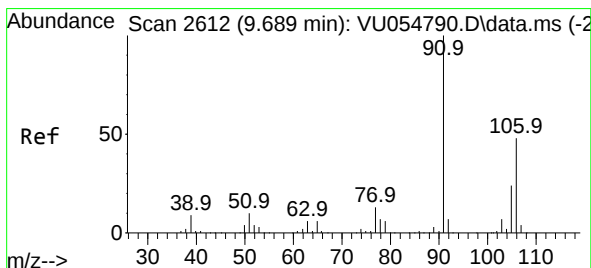
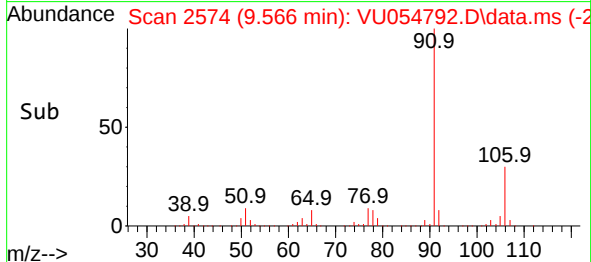
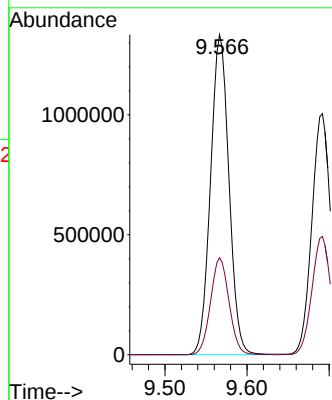
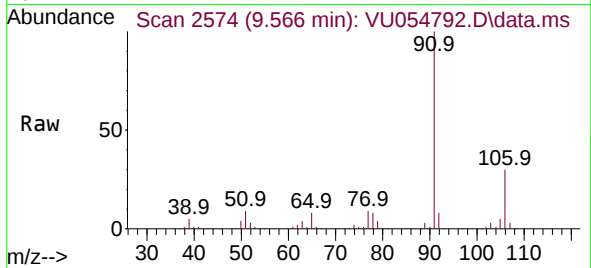
#52
Ethylbenzene
Concen: 217.038 ug/L
RT: 9.566 min Scan# 2107
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD200033

Tgt Ion: 91 Resp: 208140
Ion Ratio Lower Upper
91 100
106 30.3 23.5 43.7

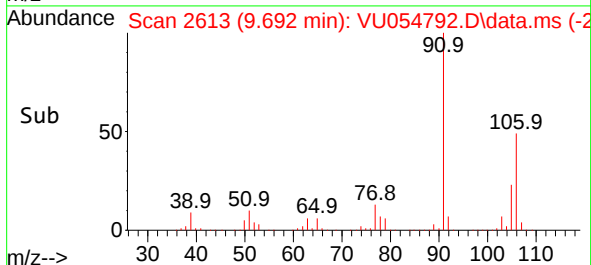
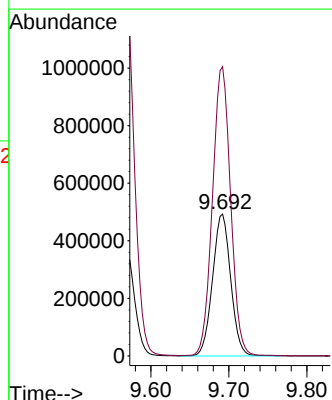
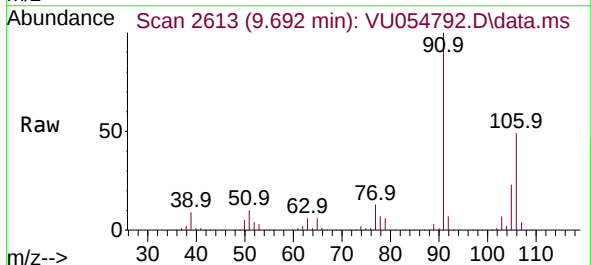
Manual Integrations
APPROVED

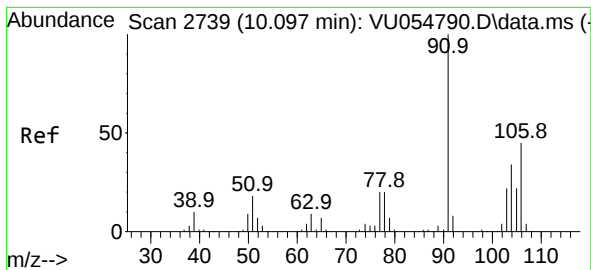
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#53
m,p-Xylene
Concen: 218.935 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Tgt Ion:106 Resp: 799385
Ion Ratio Lower Upper
106 100
91 203.9 133.3 247.7





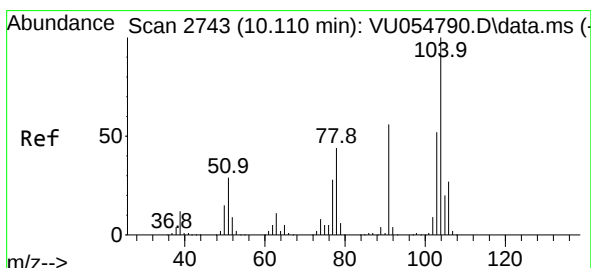
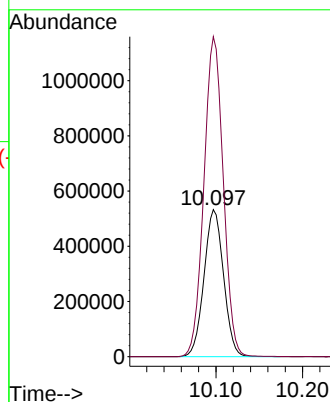
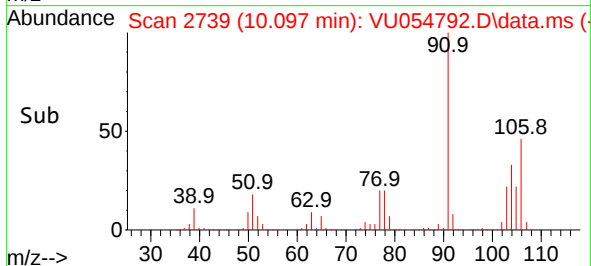
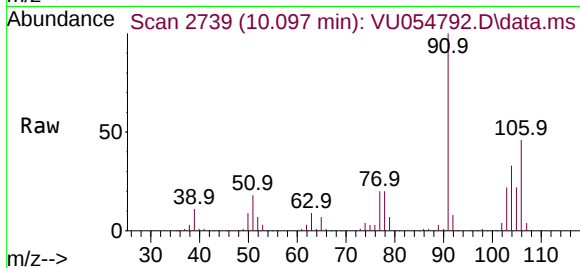
#54
o-Xylene
Concen: 224.945 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD200033

Tgt Ion:106 Resp: 834374
Ion Ratio Lower Upper
106 100
91 217.7 142.0 263.8

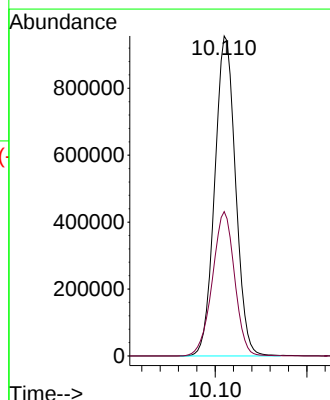
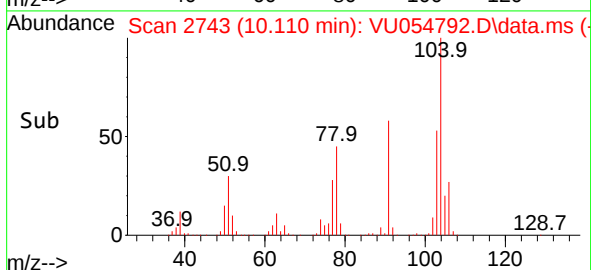
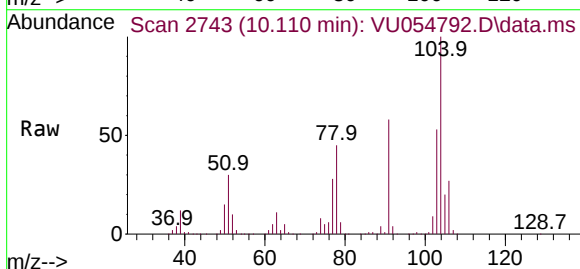
Manual Integrations
APPROVED

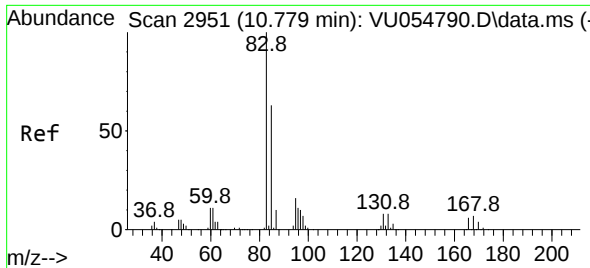
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#55
Styrene
Concen: 233.483 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

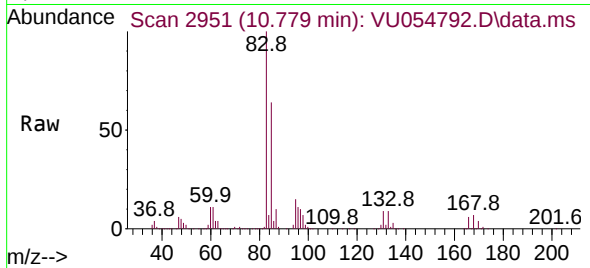
Tgt Ion:104 Resp: 1508342
Ion Ratio Lower Upper
104 100
78 45.1 30.7 57.1





#57
1,1,2,2-Tetrachloroethane
Concen: 218.080 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

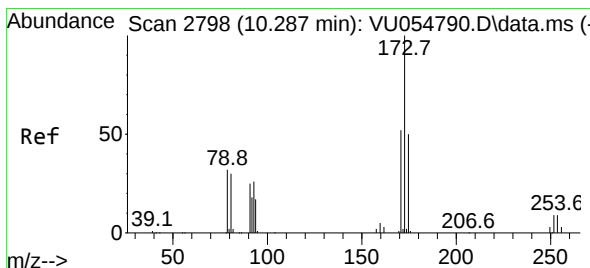
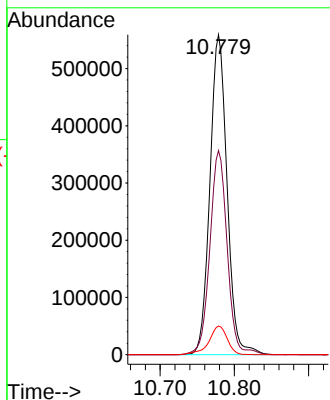
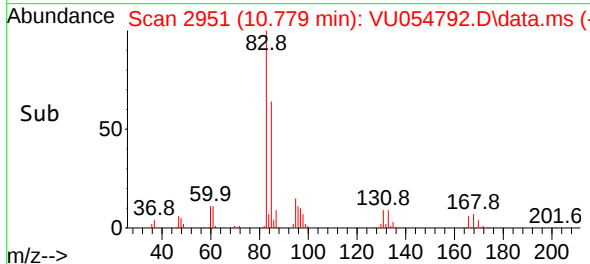
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



Tgt Ion: 83 Resp: 89492
Ion Ratio Lower Upper
83 100
85 63.8 43.8 81.4
131 9.0 8.7 13.1

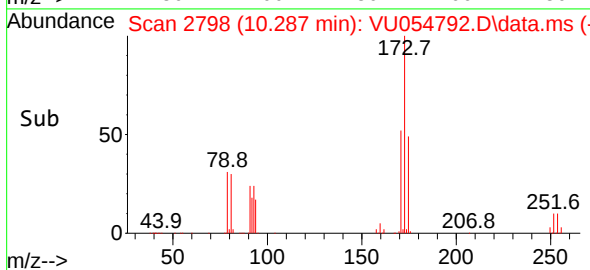
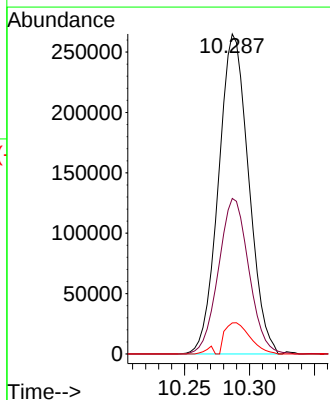
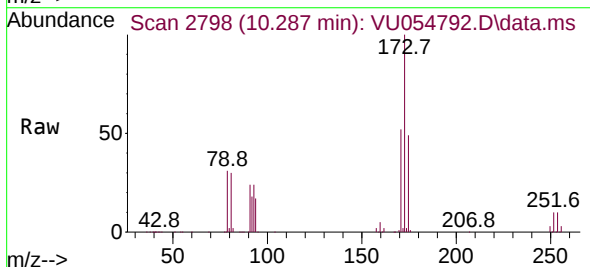
Manual Integrations
APPROVED

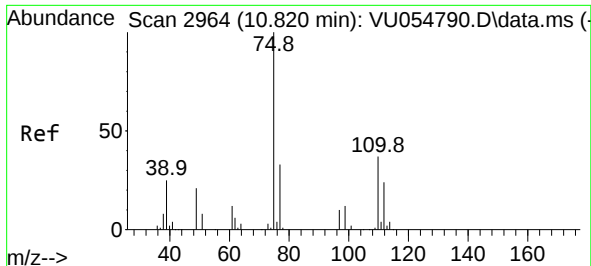
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#59
Bromoform
Concen: 214.754 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Tgt Ion:173 Resp: 426899
Ion Ratio Lower Upper
173 100
175 49.0 38.8 58.2
254 8.2 2.4 3.6#





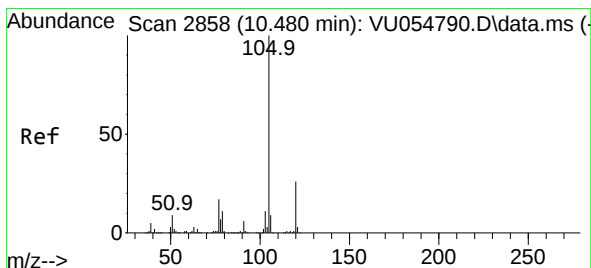
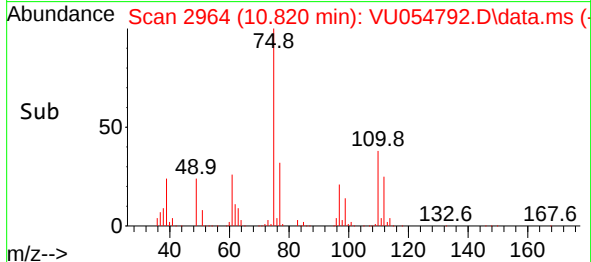
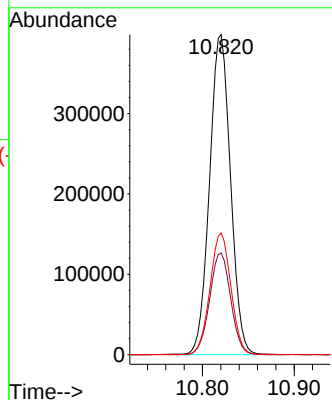
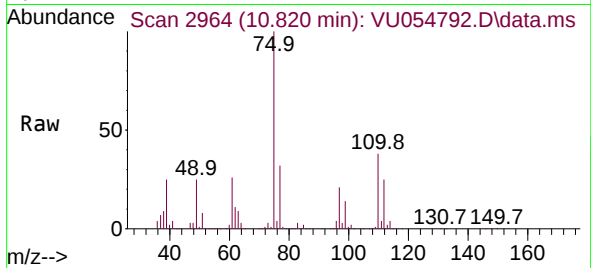
#60
1,2,3-Trichloropropane
Concen: 203.872 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD200033

Tgt Ion: 75 Resp: 632204
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.4
110 38.1 29.9 44.9

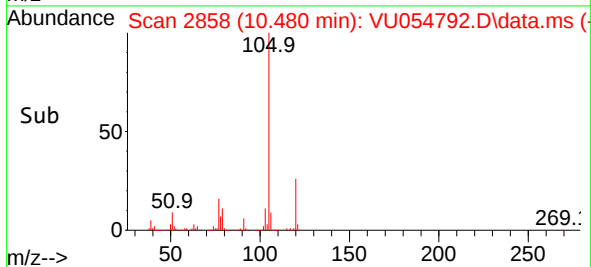
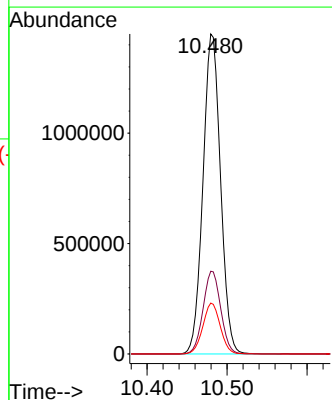
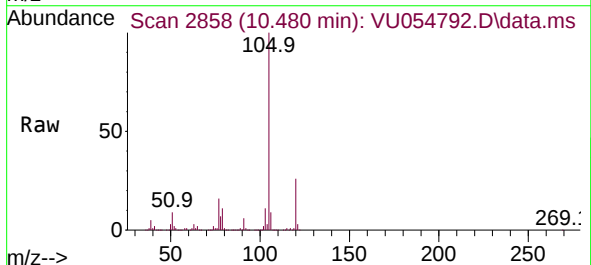
Manual Integrations
APPROVED

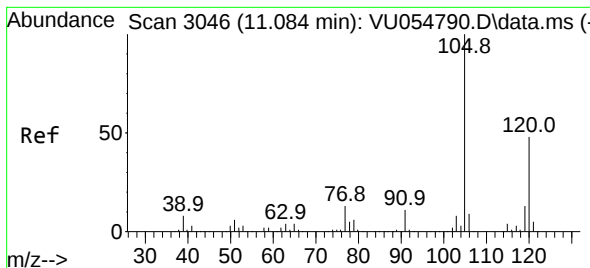
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#61
Isopropylbenzene
Concen: 211.071 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Tgt Ion:105 Resp: 2216323
Ion Ratio Lower Upper
105 100
120 26.0 21.4 32.0
77 15.8 12.8 19.2





#62
1,3,5-Trimethylbenzene
Concen: 218.717 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD200033

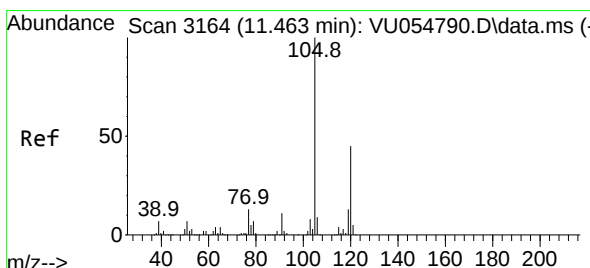
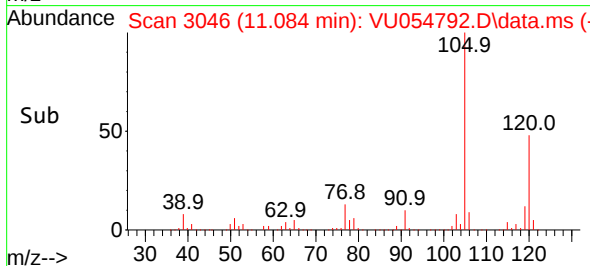
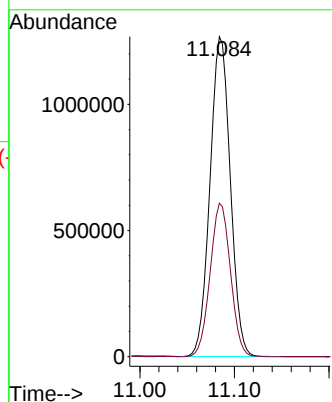
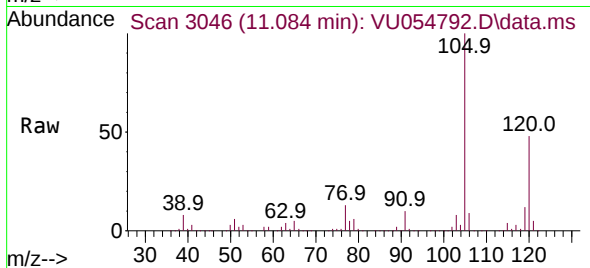
Tgt Ion:105 Resp: 1891370
Ion Ratio Lower Upper
105 100
120 48.0 38.0 57.0

Manual Integrations

APPROVED

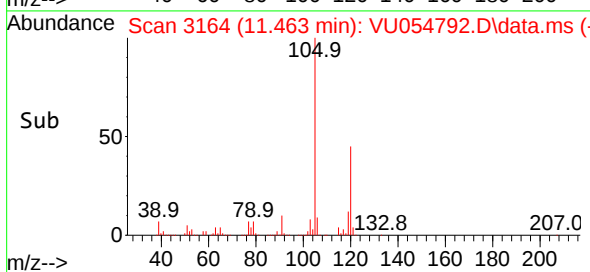
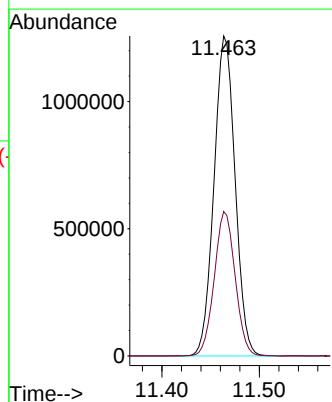
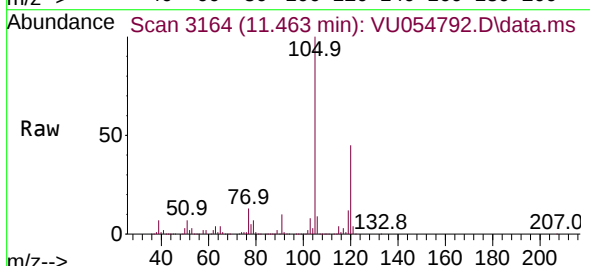
Reviewed By :John Carlone 07/18/2023

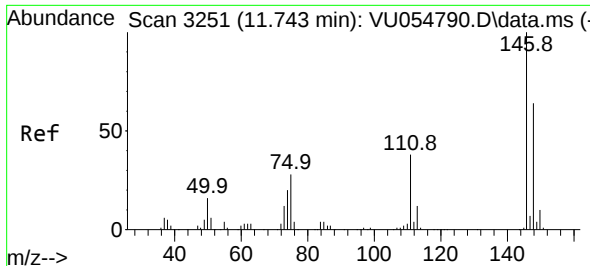
Supervised By :Mahesh Dadoda 07/18/2023



#63
1,2,4-Trimethylbenzene
Concen: 220.665 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

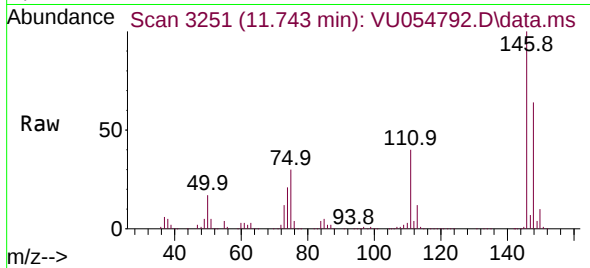
Tgt Ion:105 Resp: 1891446
Ion Ratio Lower Upper
105 100
120 44.7 36.2 54.2





#64
1,3-Dichlorobenzene
Concen: 210.788 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

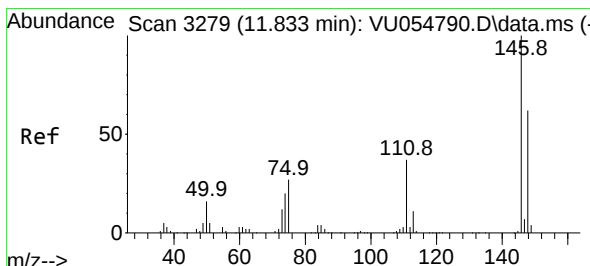
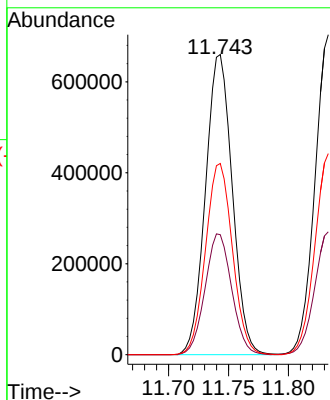
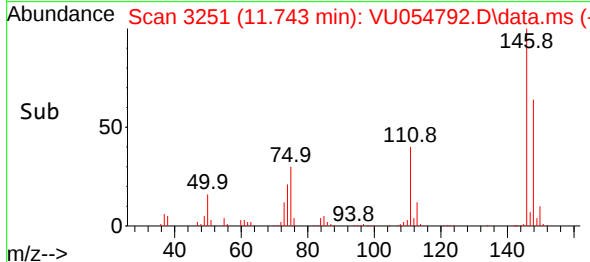
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



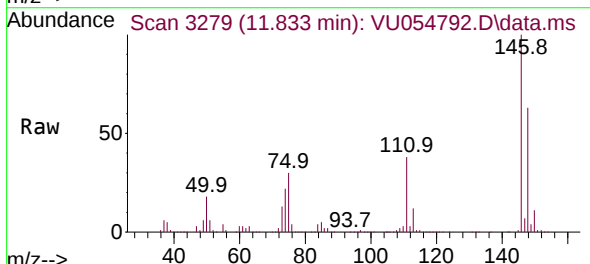
Tgt Ion:146 Resp: 1026509
Ion Ratio Lower Upper
146 100
111 40.0 25.2 46.8
148 63.7 44.4 82.4

Manual Integrations
APPROVED

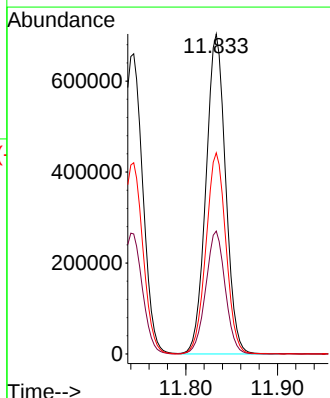
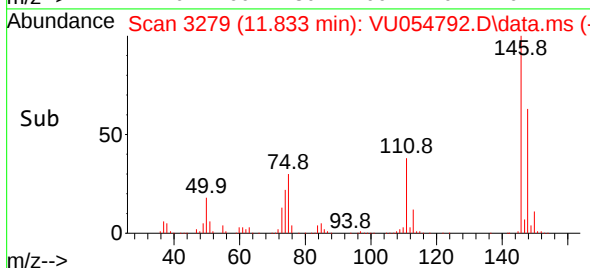
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

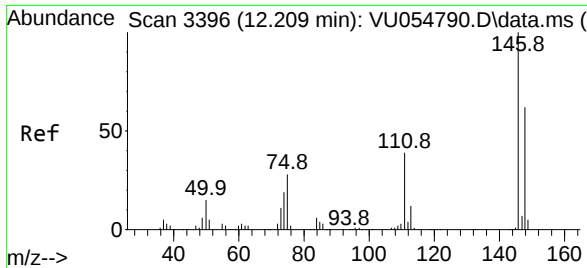


#65
1,4-Dichlorobenzene
Concen: 213.437 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30



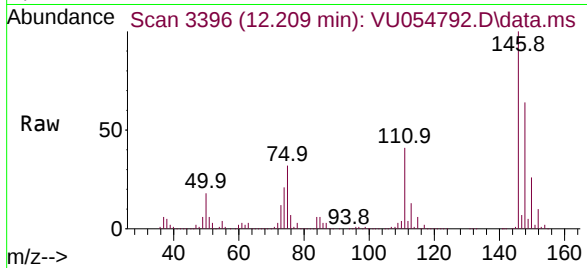
Tgt Ion:146 Resp: 1046910
Ion Ratio Lower Upper
146 100
111 38.4 24.1 44.8
148 67.2 41.0 76.2





#67
1,2-Dichlorobenzene
Concen: 212.479 ug/L
RT: 12.209 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

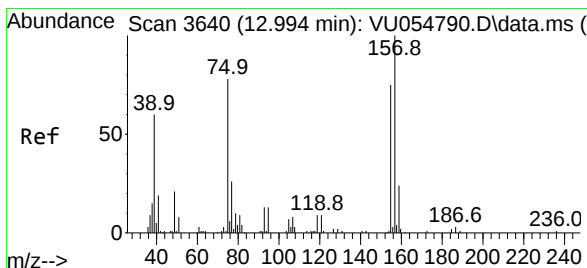
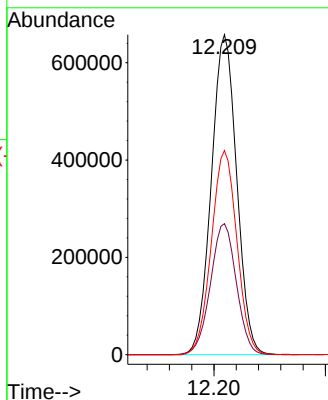
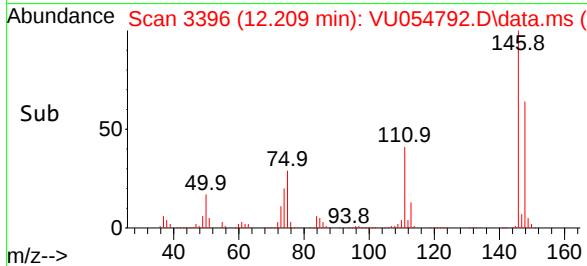
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



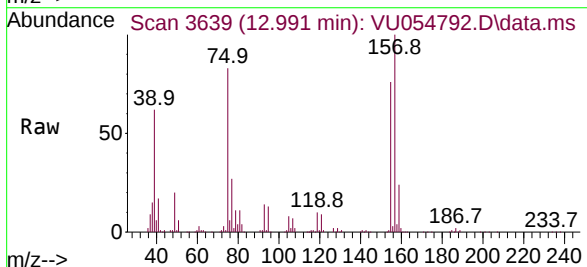
Tgt Ion:146 Resp: 103944
Ion Ratio Lower Upper
146 100
111 38.3 31.5 47.3
148 64.3 53.5 80.3

Manual Integrations
APPROVED

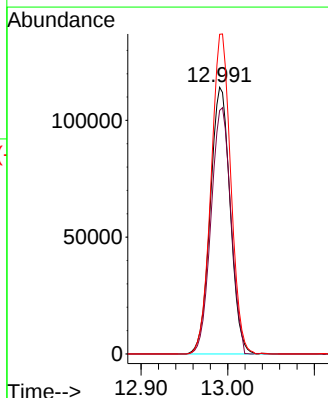
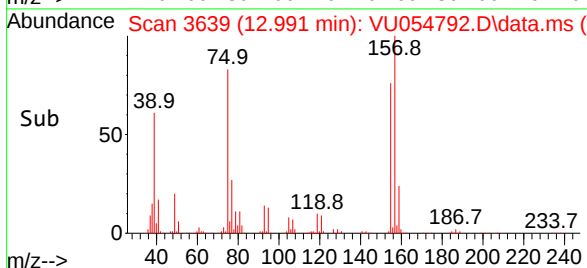
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

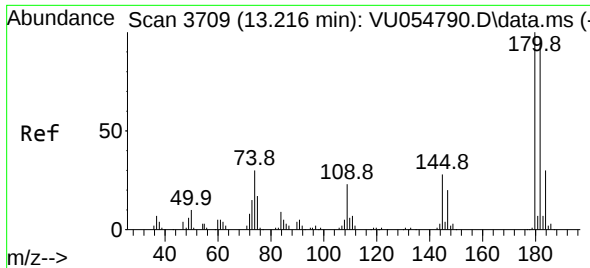


#68
1,2-Dibromo-3-chloropropane
Concen: 219.869 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.003 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30



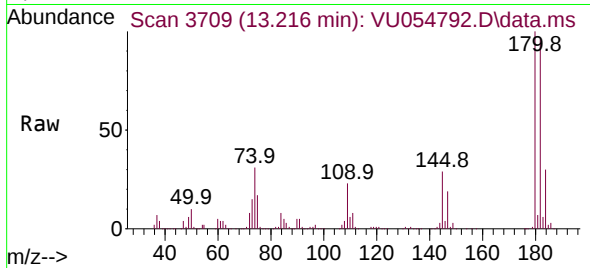
Tgt Ion: 75 Resp: 182229
Ion Ratio Lower Upper
75 100
155 95.0 80.6 121.0
157 124.6 106.5 159.7





#69
 1,3,5-Trichlorobenzene
 Concen: 216.799 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.000 min
 Lab File: VU054792.D
 Acq: 17 Jul 2023 11:30

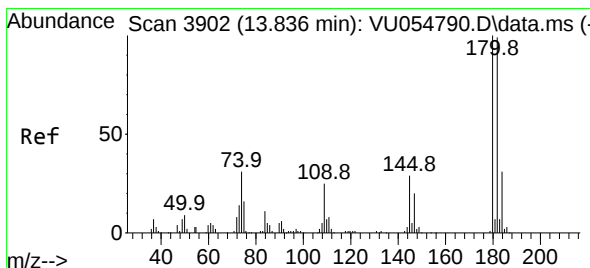
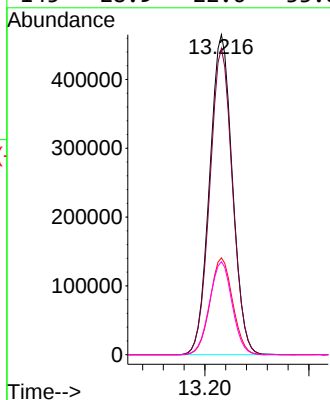
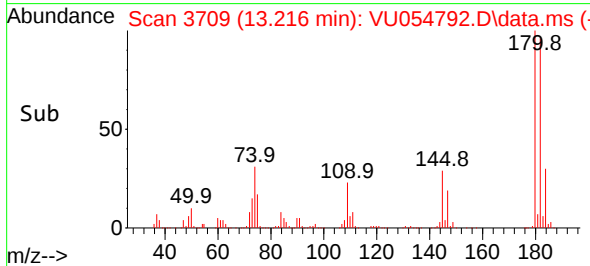
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200033



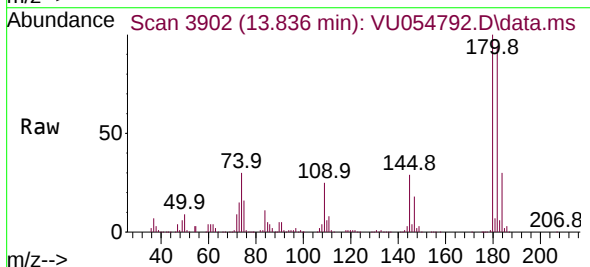
Tgt Ion:180 Resp: 707730
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.7 115.1
 184 30.1 23.4 35.0
 145 28.9 22.6 33.8

Manual Integrations
 APPROVED

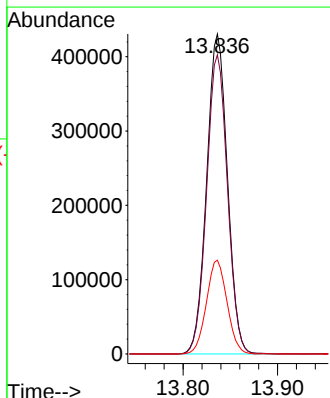
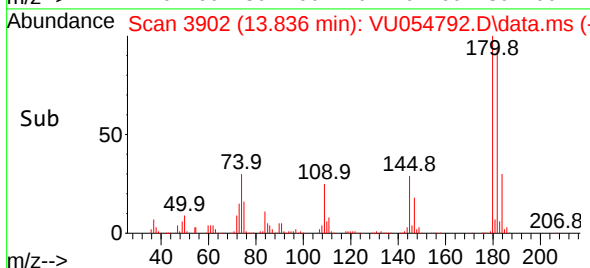
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023

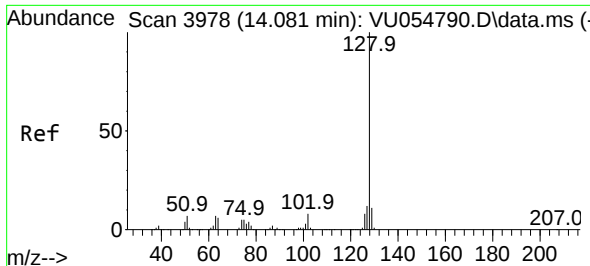


#70
 1,2,4-trichlorobenzene
 Concen: 233.391 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054792.D
 Acq: 17 Jul 2023 11:30



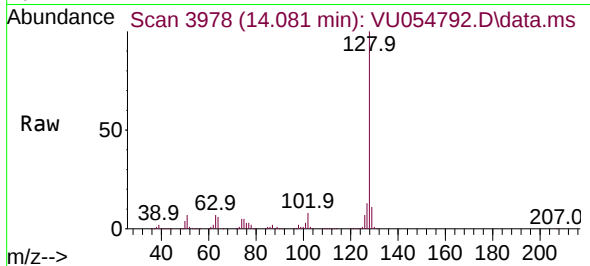
Tgt Ion:180 Resp: 657755
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.8 115.2
 145 29.1 23.0 34.6





#71
Naphthalene
Concen: 239.204 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30

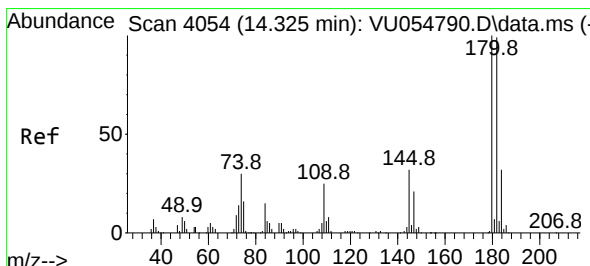
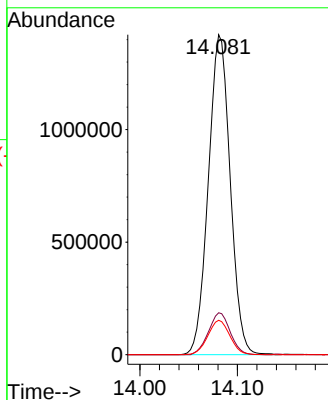
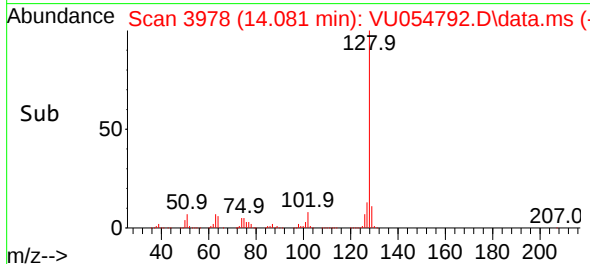
Instrument :
MSVOA_U
ClientSampleId :
VSTD200033



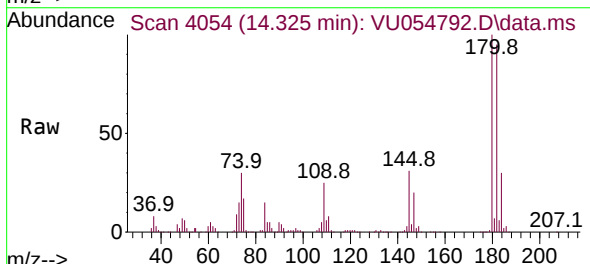
Tgt Ion:128 Resp: 2212650
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.8 8.6 13.0

Manual Integrations
APPROVED

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



#72
1,2,3-Trichlorobenzene
Concen: 230.039 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054792.D
Acq: 17 Jul 2023 11:30



Tgt Ion:180 Resp: 631318
Ion Ratio Lower Upper
180 100
182 95.0 76.6 115.0
145 31.3 25.4 38.2

