

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053094.D
 Acq On : 14 Feb 2023 13:07
 Operator : JC/MD
 Sample : VSTD05001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050001

Quant Time: Feb 15 00:32:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	256505	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	235780	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	122841	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	118969	49.982	ug/L	0.00
7) Chloroethane-d5	1.913	69	100566	51.639	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	63	203363	54.355	ug/L	0.00
21) 2-Butanone-d5	4.627	46	124443	126.324	ug/L	0.00
24) Chloroform-d	5.058	84	215732	53.908	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	134664	55.495	ug/L	0.00
32) Benzene-d6	5.723	84	433702	54.450	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	141913	56.861	ug/L	0.00
41) Toluene-d8	7.894	98	399324	51.919	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	71877	53.683	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	97319	124.972	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	184630	54.297	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.186	152	136223	49.815	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	132140	61.491	ug/L	100
3) Chloromethane	1.518	50	126160	62.936	ug/L	100
5) Vinyl chloride	1.605	62	137886	57.435	ug/L	100
6) Bromomethane	1.859	94	84683	52.432	ug/L	100
8) Chloroethane	1.933	64	82740	56.431	ug/L	100
9) Trichlorofluoromethane	2.135	101	179135	50.656	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	98136	54.029	ug/L	100
12) 1,1-Dichloroethene	2.579	96	92768	53.715	ug/L	100
13) Acetone	2.640	43	73687	88.871	ug/L	100
14) Carbon disulfide	2.791	76	297412	56.959	ug/L	100
15) Methyl Acetate	2.949	43	82258	62.577	ug/L	100
16) Methylene chloride	3.042	84	105387	50.786	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	95104	51.877	ug/L	100
18) Methyl tert-butyl Ether	3.357	73	323148	55.715	ug/L	100
19) 1,1-Dichloroethane	3.865	63	189196	58.390	ug/L	100
20) cis-1,2-Dichloroethene	4.659	96	109543	52.974	ug/L	100
22) 2-Butanone	4.707	43	116496	113.316	ug/L	100
23) Bromochloromethane	4.971	128	52938	48.210	ug/L	100
25) Chloroform	5.084	83	190490	53.816	ug/L	100
27) 1,2-Dichloroethane	5.788	62	148979	57.712	ug/L	100
29) Cyclohexane	5.383	56	176815	60.005	ug/L	100
30) 1,1,1-Trichloroethane	5.312	97	166442	53.718	ug/L	100
31) Carbon tetrachloride	5.521	117	141548	52.490	ug/L	100
33) Benzene	5.768	78	418328	56.057	ug/L	100
34) Trichloroethene	6.537	95	107172	53.305	ug/L	100
35) Methylcyclohexane	6.759	83	186736	54.451	ug/L	100
37) 1,2-Dichloropropane	6.784	63	114247	59.178	ug/L	100
38) Bromodichloromethane	7.100	83	146159	53.999	ug/L	100
39) cis-1,3-Dichloropropene	7.601	75	188231	57.407	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	236781	124.387	ug/L	100
42) Toluene	7.964	91	440784	52.931	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	177424	56.182	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053094.D
 Acq On : 14 Feb 2023 13:07
 Operator : JC/MD
 Sample : VSTD05001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

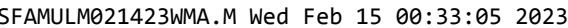
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050001

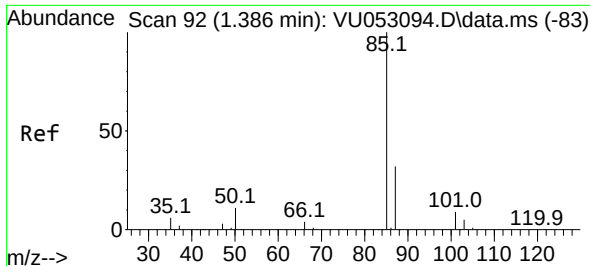
Quant Time: Feb 15 00:32:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	106176	54.642	ug/L	100
46) Tetrachloroethene	8.550	164	72054	46.866	ug/L	100
48) 2-Hexanone	8.678	43	181031	120.608	ug/L	100
49) Dibromochloromethane	8.804	129	107113	47.422	ug/L	100
50) 1,2-Dibromoethane	8.916	107	111324	53.044	ug/L	100
51) Chlorobenzene	9.440	112	273331	51.348	ug/L	100
52) Ethylbenzene	9.566	91	496041	53.834	ug/L	100
53) m,p-Xylene	9.688	106	189379	52.453	ug/L	100
54) o-xylene	10.096	106	185159	51.905	ug/L	100
55) Styrene	10.109	104	306980	51.324	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	166144	54.805	ug/L	100
59) Bromoform	10.286	173	75072	47.122	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	123517	58.190	ug/L	100
61) Isopropylbenzene	10.479	105	492453	56.092	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	409153	53.563	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	393700	53.127	ug/L	100
64) 1,3-Dichlorobenzene	11.739	146	195326	50.844	ug/L	100
65) 1,4-Dichlorobenzene	11.829	146	197382	50.858	ug/L	100
67) 1,2-Dichlorobenzene	12.205	146	197687	50.941	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.990	75	37074	57.581	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	129052	44.751	ug/L	100
70) 1,2,4-trichlorobenzene	13.832	180	118211	45.506	ug/L	100
71) Naphthalene	14.080	128	415534	52.095	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	118468	46.488	ug/L	100

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

Quant Time: Feb 15 00:32:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 15 00:30:58 2023
Response via : Initial Calibration

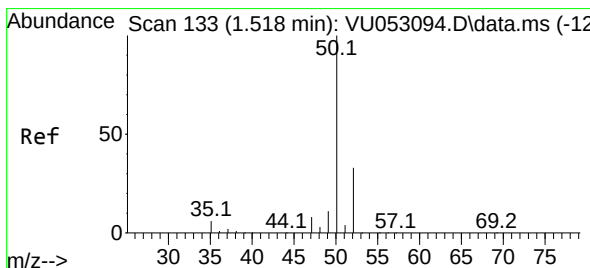
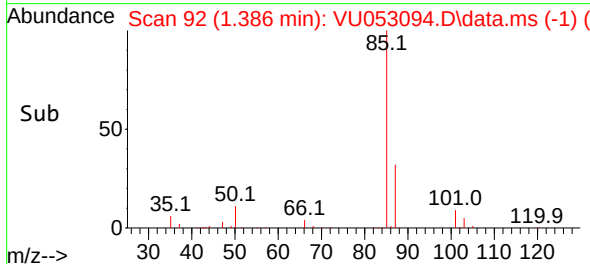
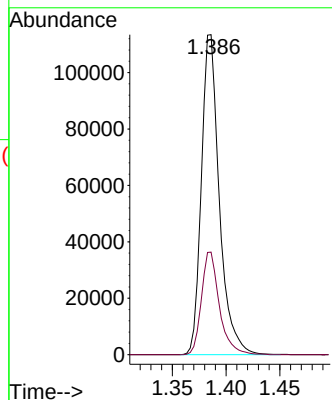
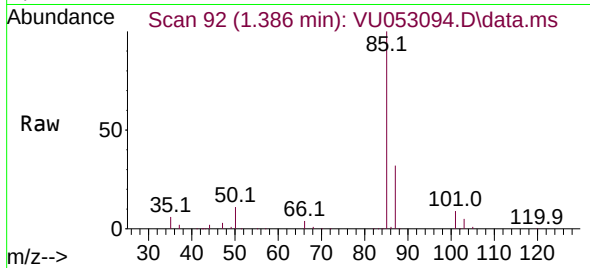




#2
 Dichlorodifluoromethane
 Concen: 61.491 ug/L
 RT: 1.386 min Scan# 92
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

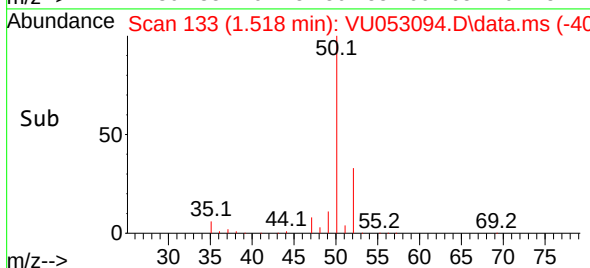
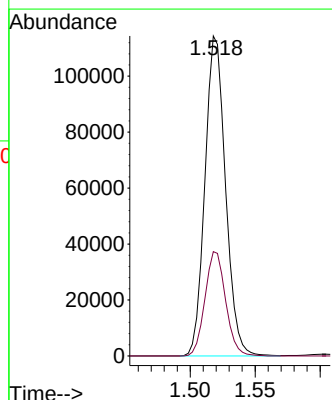
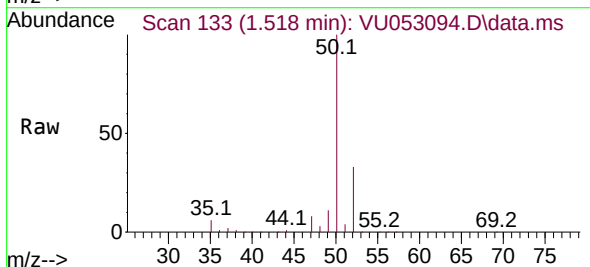
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050001

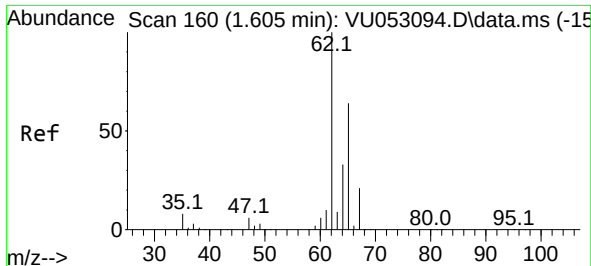
Tgt Ion: 85 Resp: 132140
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.6 38.4



#3
 Chloromethane
 Concen: 62.936 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

Tgt Ion: 50 Resp: 126160
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.8 42.4

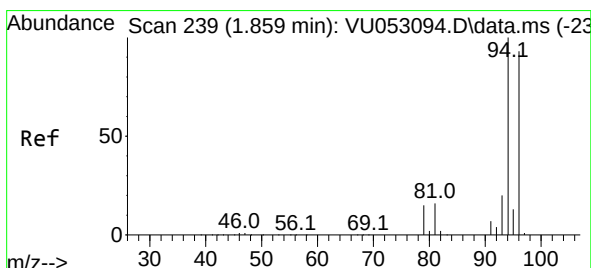
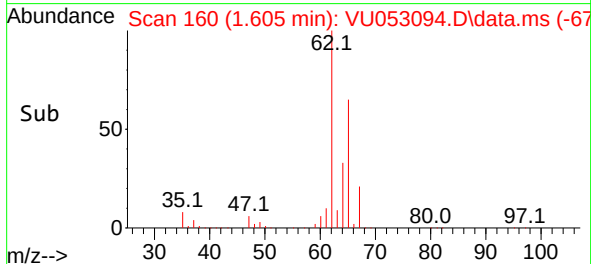
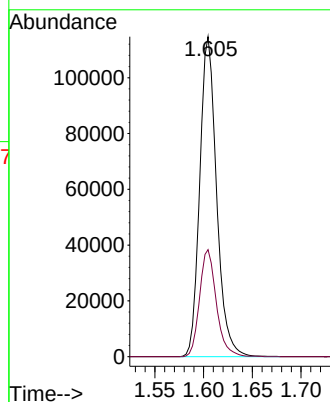
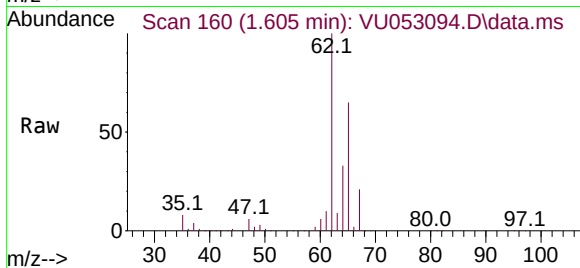




#5
 Vinyl chloride
 Concen: 57.435 ug/L
 RT: 1.605 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

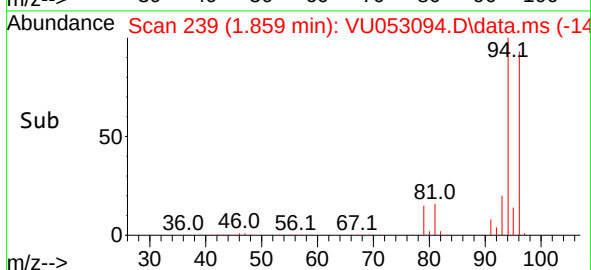
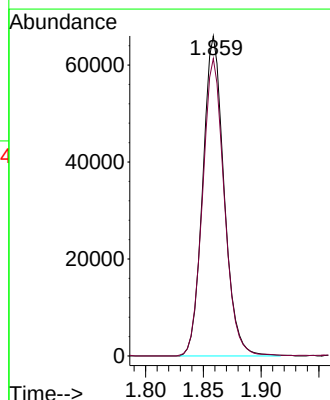
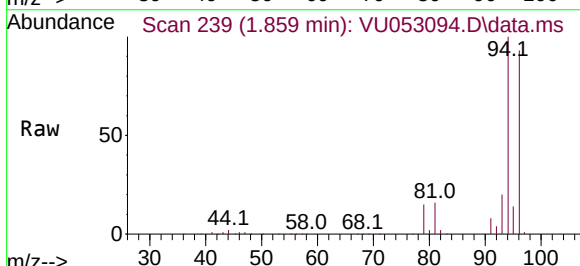
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050001

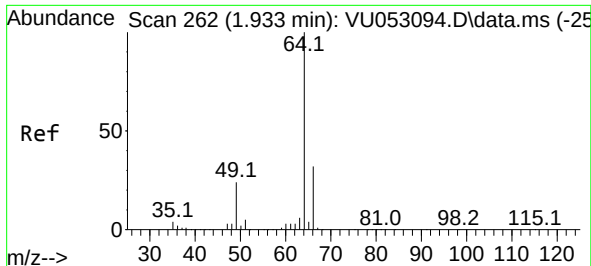
Tgt Ion: 62 Resp: 137886
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.6



#6
 Bromomethane
 Concen: 52.432 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

Tgt Ion: 94 Resp: 84683
 Ion Ratio Lower Upper
 94 100
 96 92.9 65.0 120.8

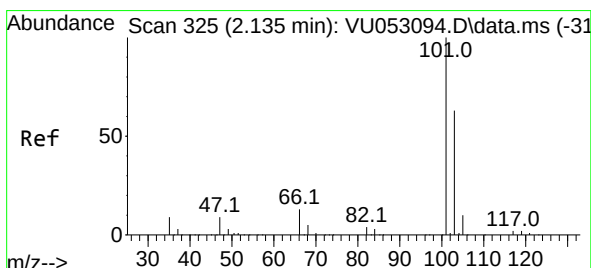
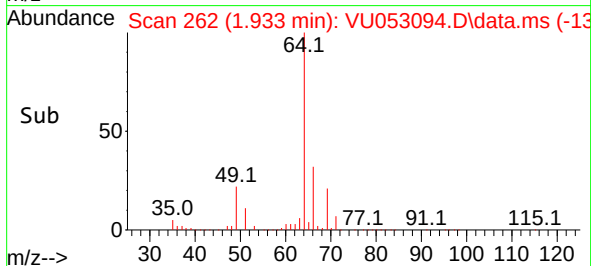
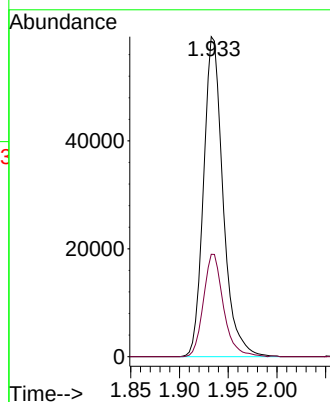
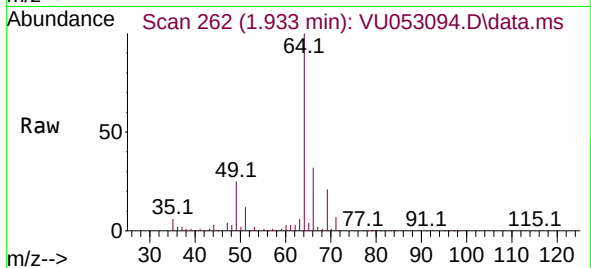




#8
Chloroethane
Concen: 56.431 ug/L
RT: 1.933 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

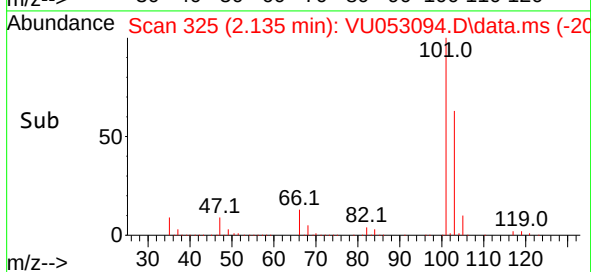
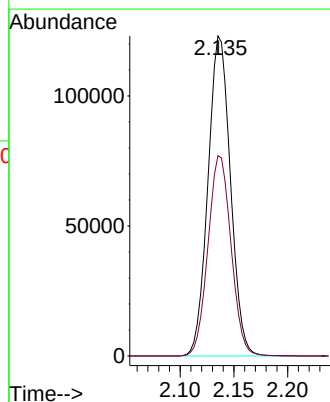
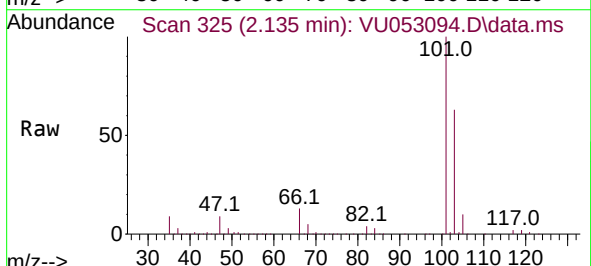
Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

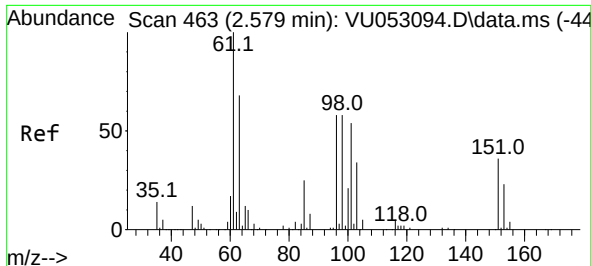
Tgt Ion: 64 Resp: 82740
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 50.656 ug/L
RT: 2.135 min Scan# 325
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion:101 Resp: 179135
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0

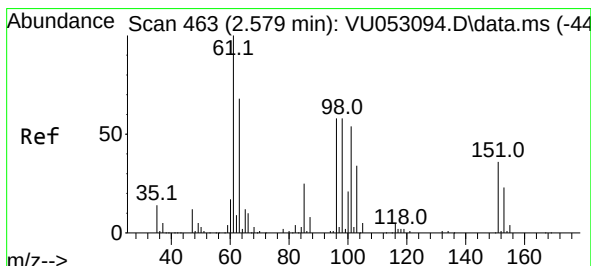
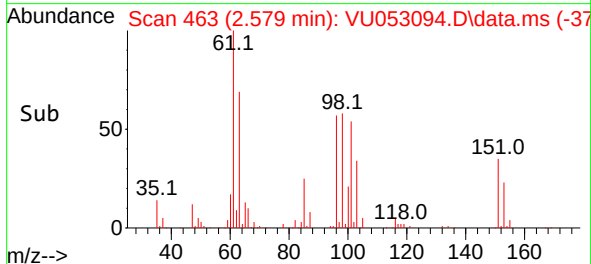
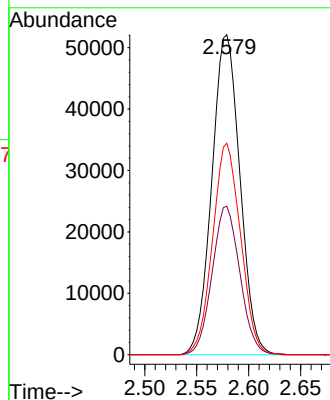
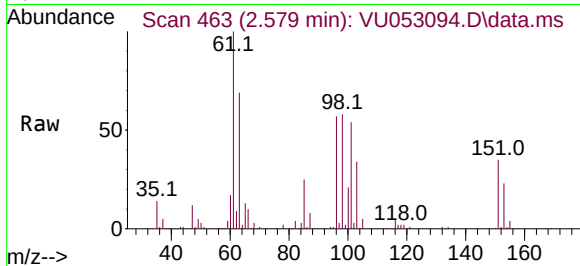




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 54.029 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

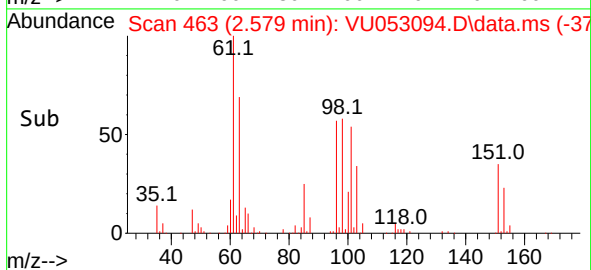
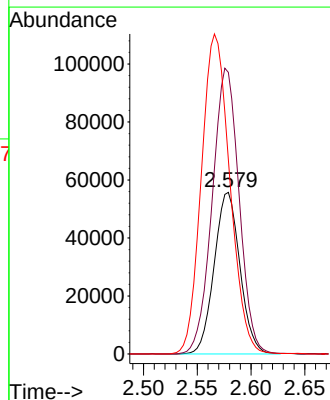
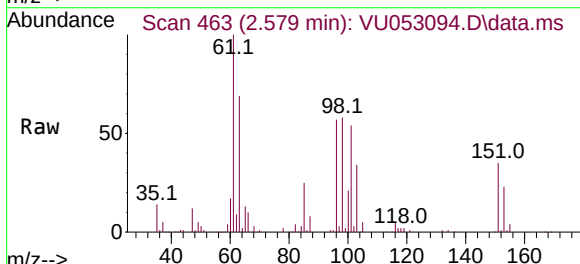
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050001

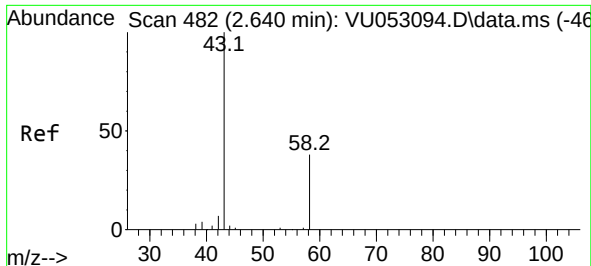
Tgt Ion:101 Resp: 98136
 Ion Ratio Lower Upper
 101 100
 85 45.7 36.6 54.8
 151 65.8 52.6 79.0



#12
 1,1-Dichloroethene
 Concen: 53.715 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

Tgt Ion: 96 Resp: 92768
 Ion Ratio Lower Upper
 96 100
 61 174.1 121.9 226.3
 63 120.3 84.2 156.4





#13

Acetone

Concen: 88.871 ug/L

RT: 2.640 min Scan# 482

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

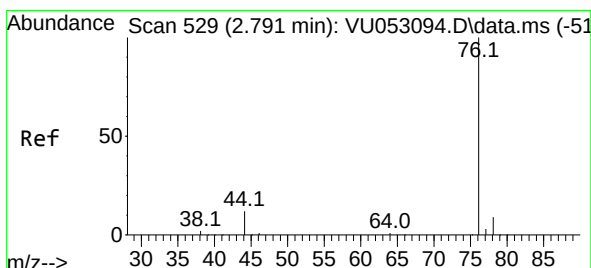
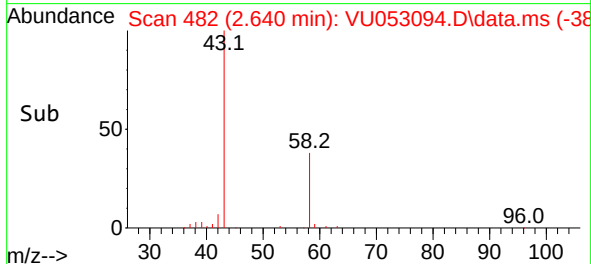
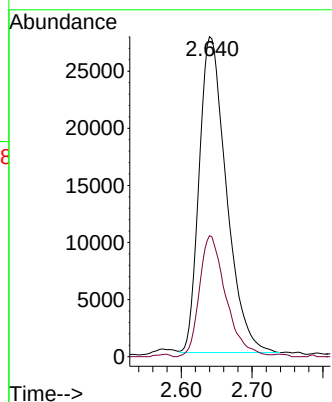
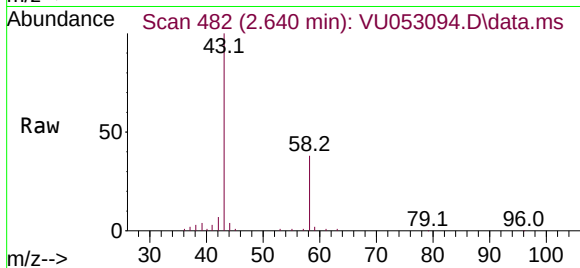
VSTD050001

Tgt Ion: 43 Resp: 73687

Ion Ratio Lower Upper

43 100

58 37.3 0.0 74.6



#14

Carbon disulfide

Concen: 56.959 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU053094.D

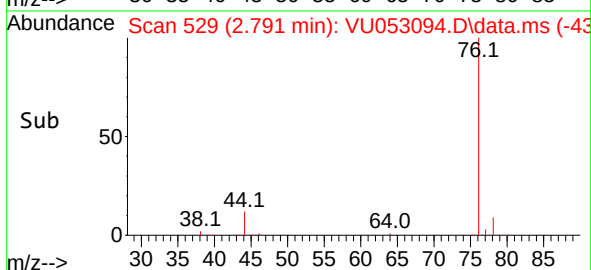
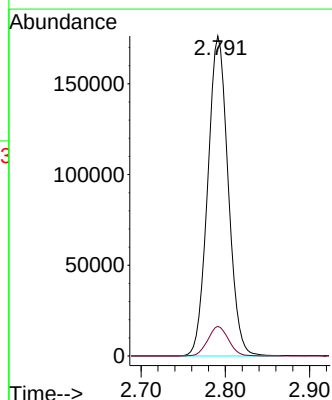
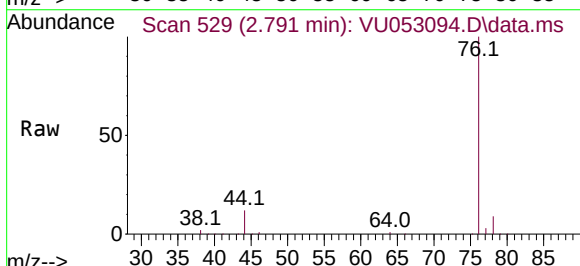
Acq: 14 Feb 2023 13:07

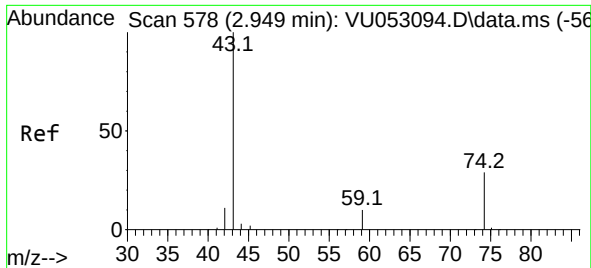
Tgt Ion: 76 Resp: 297412

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

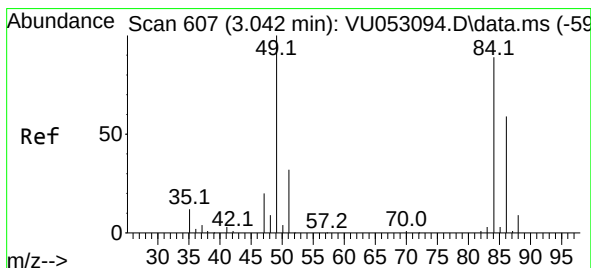
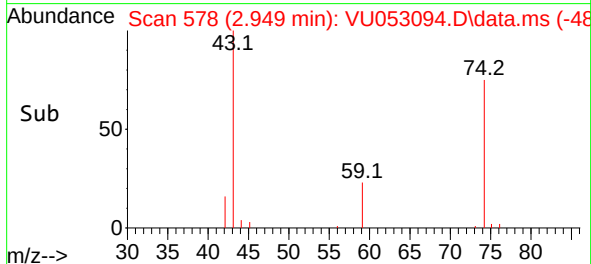
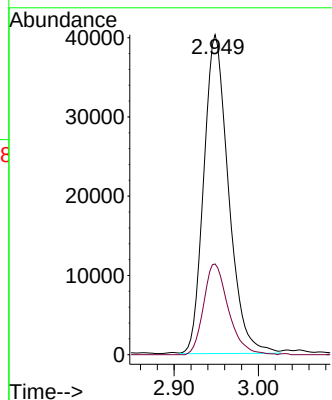
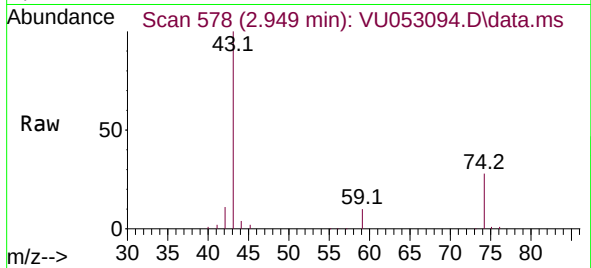




#15
Methyl Acetate
Concen: 62.577 ug/L
RT: 2.949 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

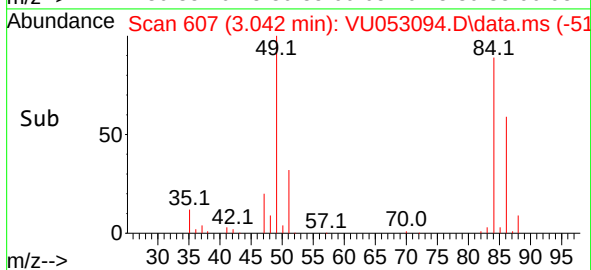
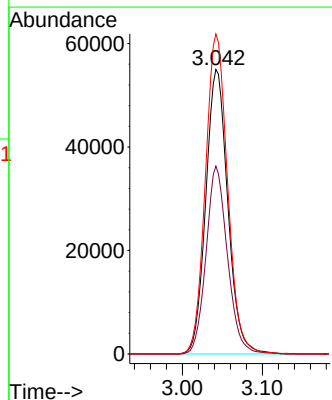
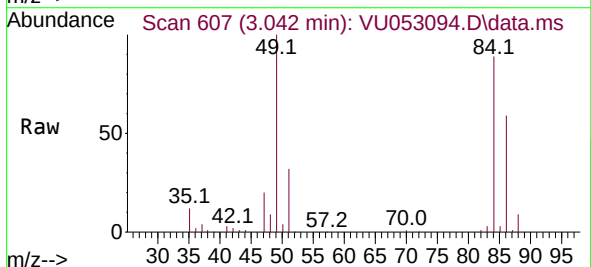
Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

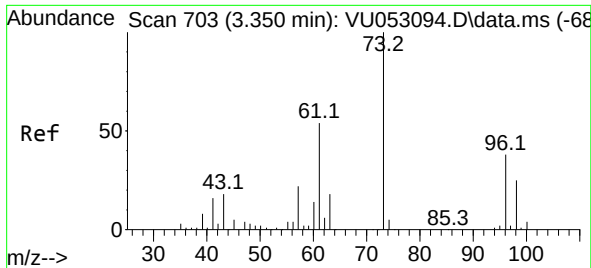
Tgt Ion: 43 Resp: 82258
Ion Ratio Lower Upper
43 100
74 28.4 22.7 34.1



#16
Methylene chloride
Concen: 50.786 ug/L
RT: 3.042 min Scan# 607
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion: 84 Resp: 105387
Ion Ratio Lower Upper
84 100
86 66.0 46.2 85.8
49 112.5 78.8 146.3

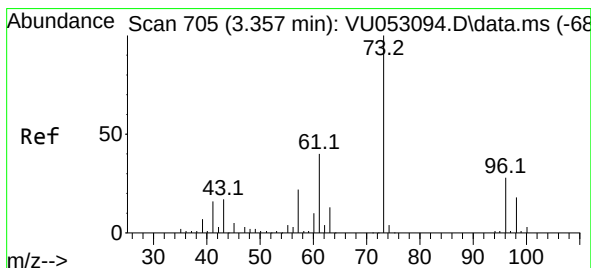
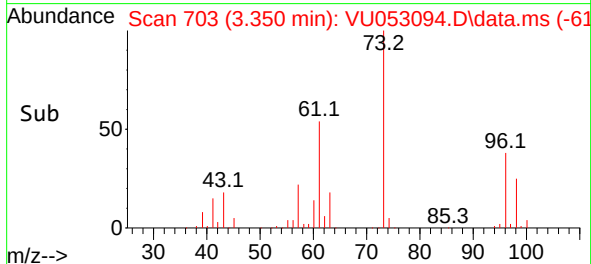
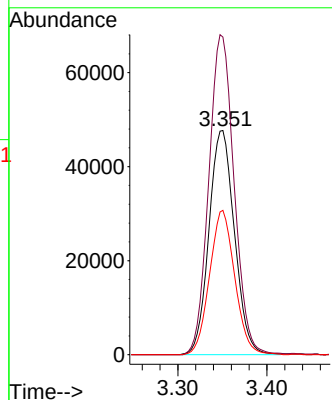
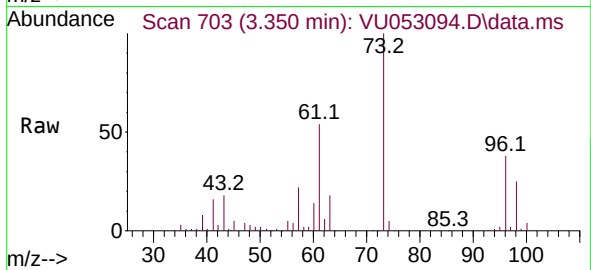




#17
trans-1,2-Dichloroethene
Concen: 51.877 ug/L
RT: 3.350 min Scan# 703
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

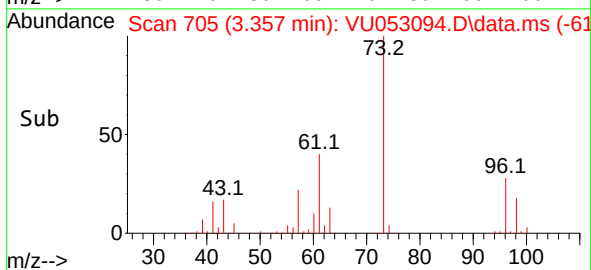
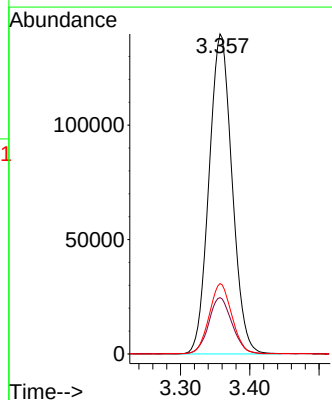
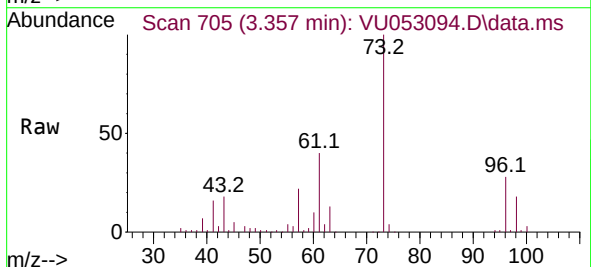
Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

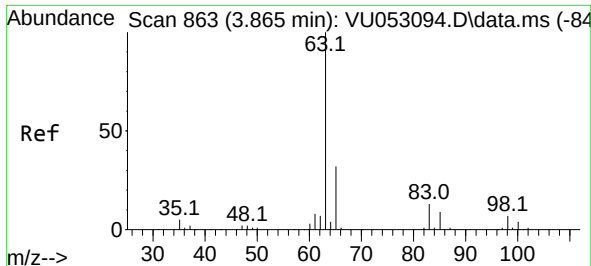
Tgt Ion: 96 Resp: 95104
Ion Ratio Lower Upper
96 100
61 141.7 99.2 184.2
98 64.4 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 55.715 ug/L
RT: 3.357 min Scan# 705
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion: 73 Resp: 323148
Ion Ratio Lower Upper
73 100
43 17.6 14.1 21.1
57 21.7 17.4 26.0





#19

1,1-Dichloroethane

Concen: 58.390 ug/L

RT: 3.865 min Scan# 863

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050001

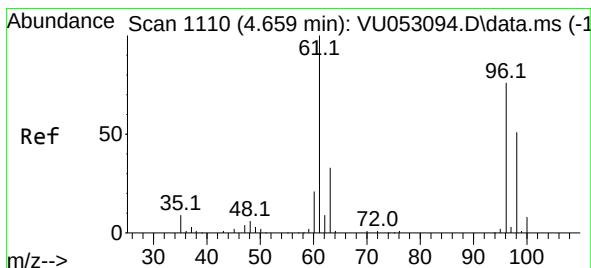
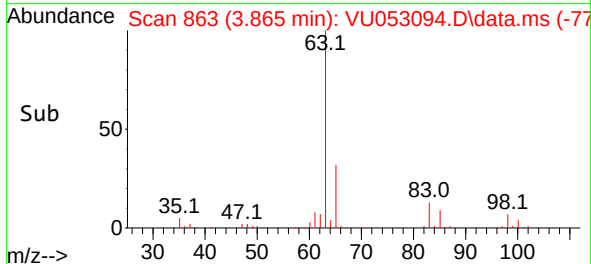
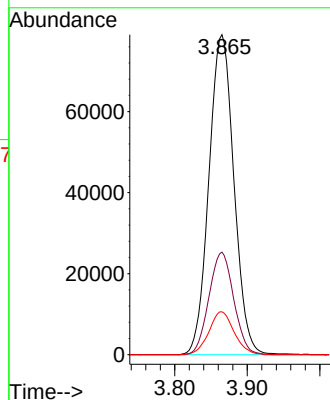
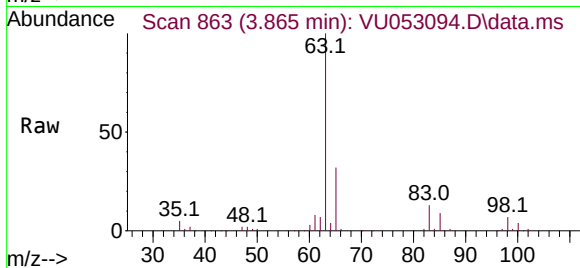
Tgt Ion: 63 Resp: 189196

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 52.974 ug/L

RT: 4.659 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

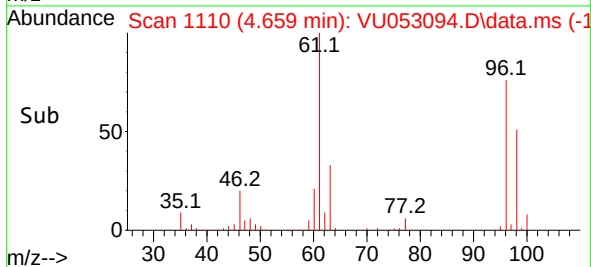
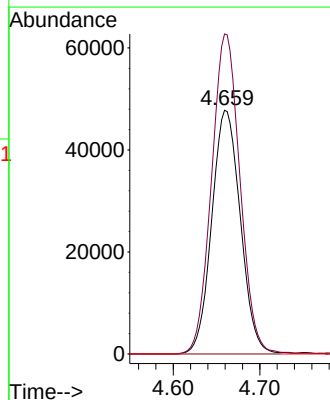
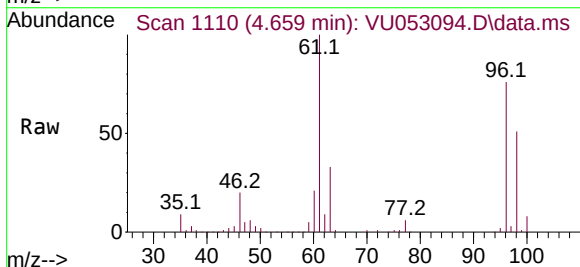
Tgt Ion: 96 Resp: 109543

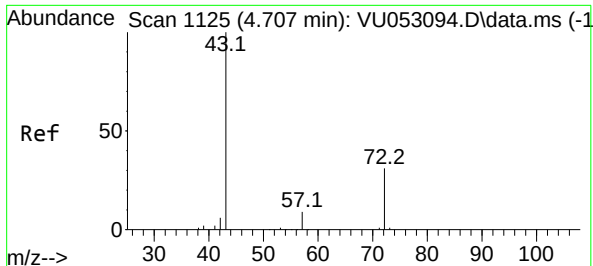
Ion Ratio Lower Upper

96 100

61 131.3 91.9 170.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 113.316 ug/L

RT: 4.707 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

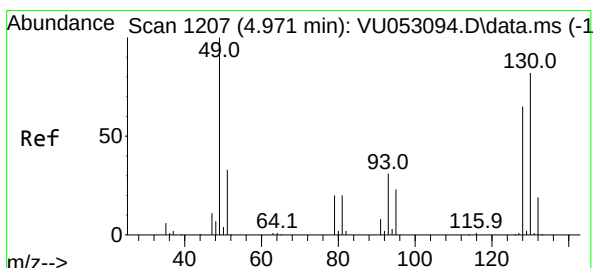
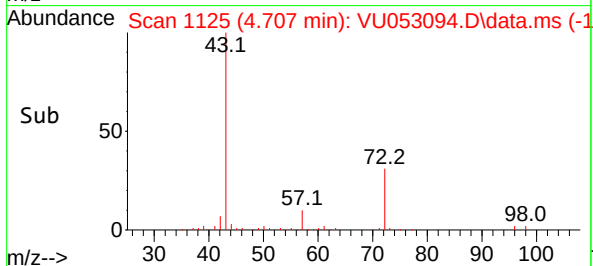
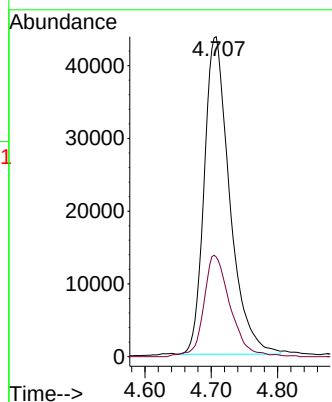
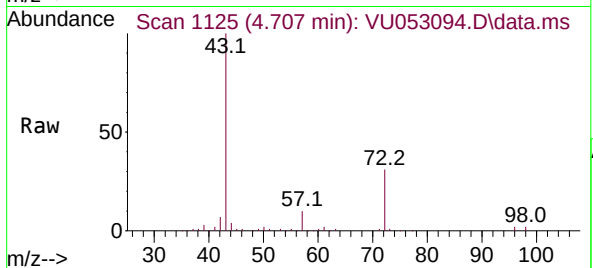
VSTD050001

Tgt Ion: 43 Resp: 116496

Ion Ratio Lower Upper

43 100

72 33.1 16.6 49.7



#23

Bromochloromethane

Concen: 48.210 ug/L

RT: 4.971 min Scan# 1207

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Tgt Ion:128 Resp: 52938

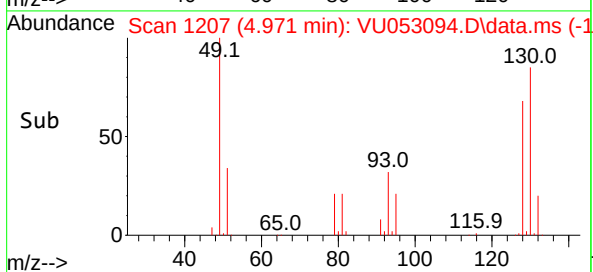
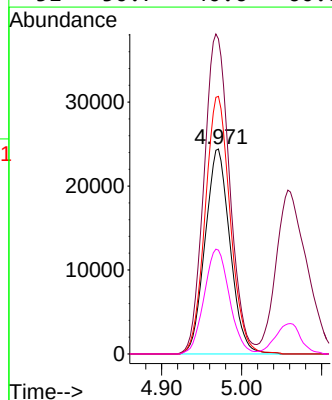
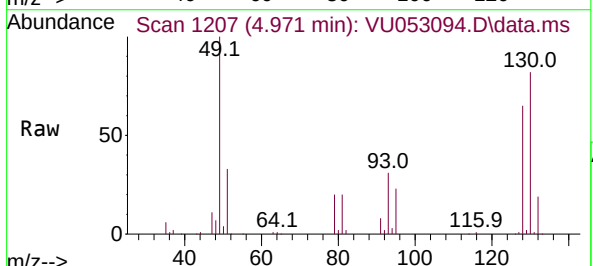
Ion Ratio Lower Upper

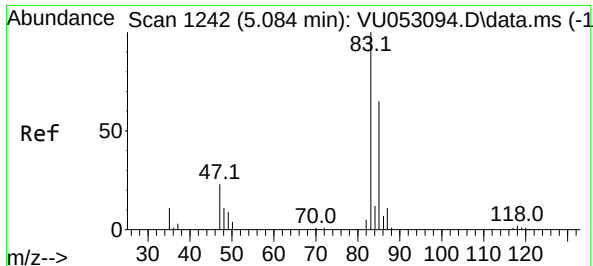
128 100

49 153.7 107.6 199.8

130 125.6 87.9 163.3

51 50.7 40.6 60.8





#25

Chloroform

Concen: 53.816 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

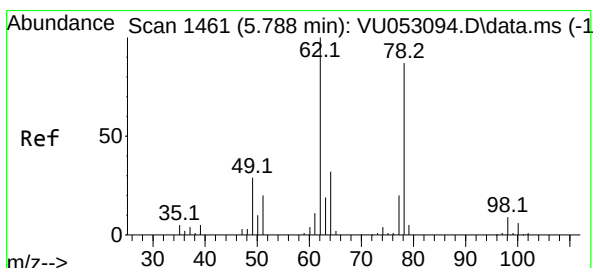
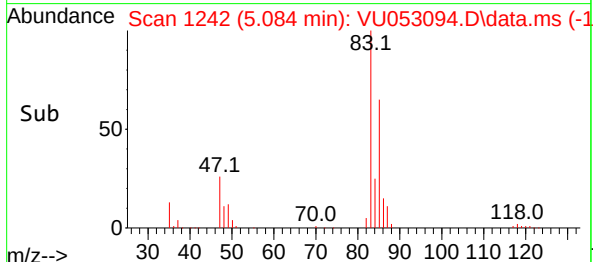
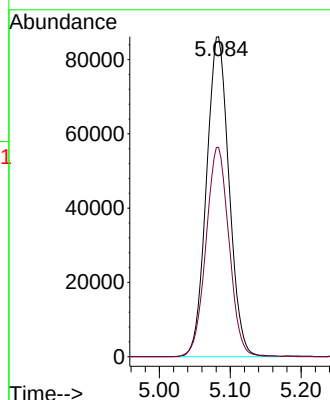
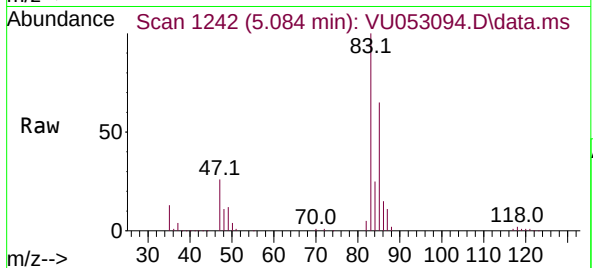
VSTD050001

Tgt Ion: 83 Resp: 190490

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0



#27

1,2-Dichloroethane

Concen: 57.712 ug/L

RT: 5.788 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VU053094.D

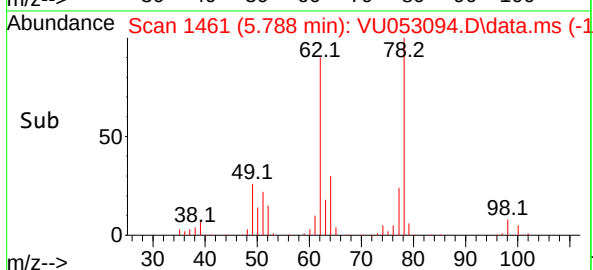
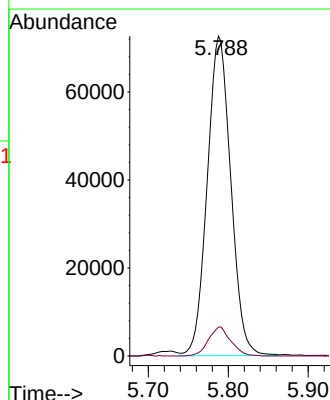
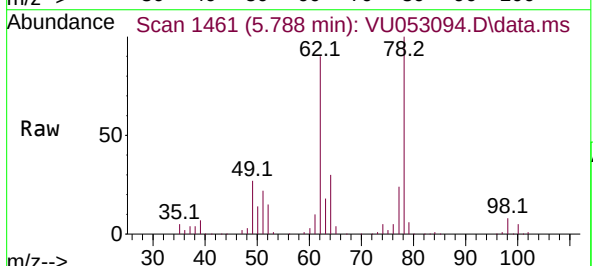
Acq: 14 Feb 2023 13:07

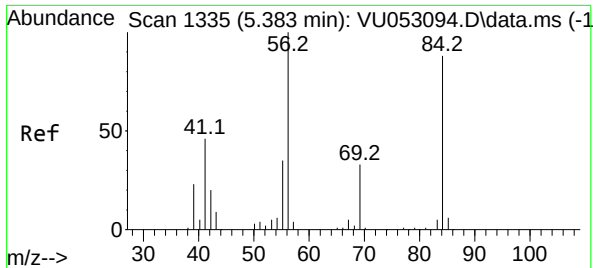
Tgt Ion: 62 Resp: 148979

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8

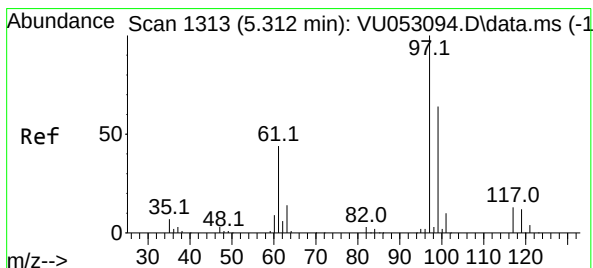
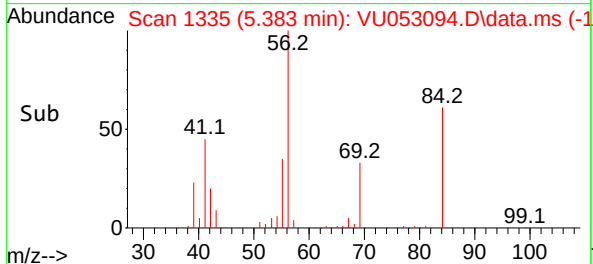
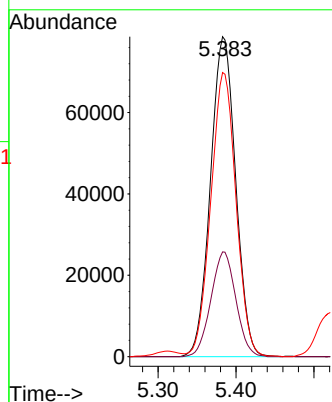
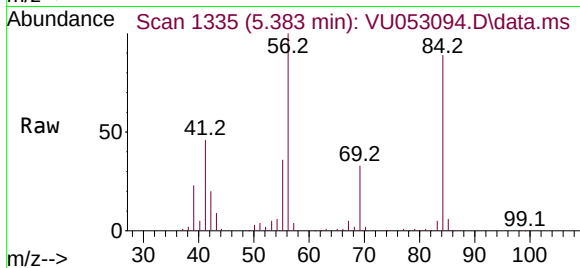




#29
Cyclohexane
Concen: 60.005 ug/L
RT: 5.383 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

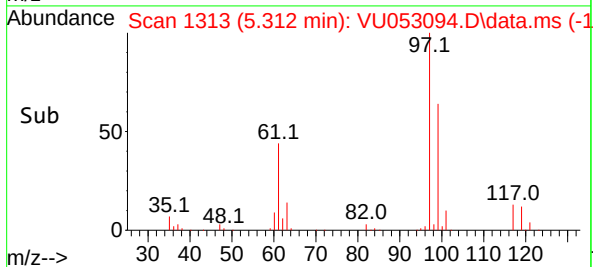
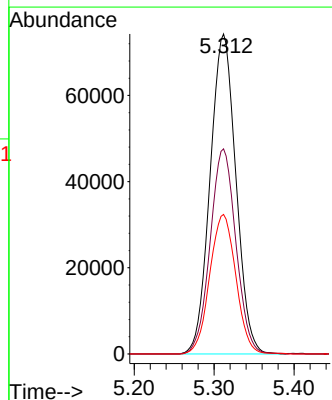
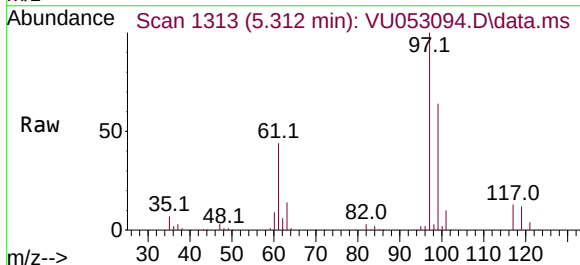
Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

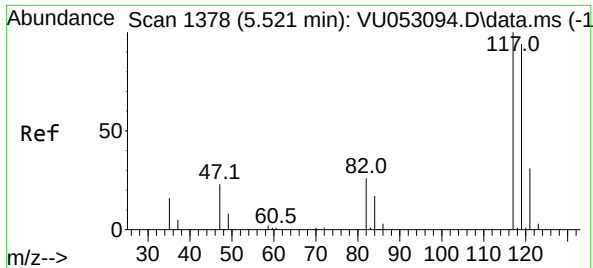
Tgt Ion:	56	Resp:	176815
Ion Ratio	Lower	Upper	
56	100		
69	32.4	25.9	38.9
84	88.4	70.7	106.1



#30
1,1,1-Trichloroethane
Concen: 53.718 ug/L
RT: 5.312 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion:	97	Resp:	166442
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.3	76.9
61	44.1	35.3	52.9

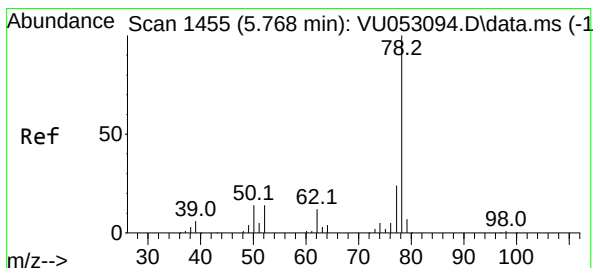
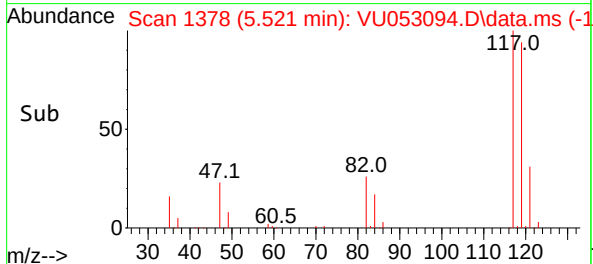
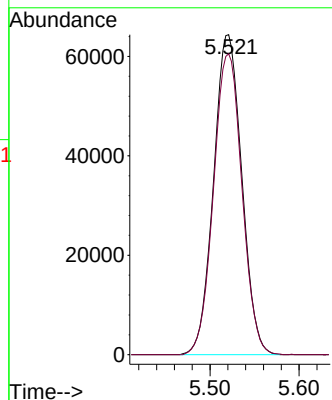
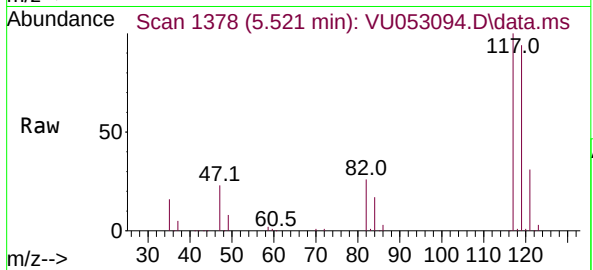




#31
Carbon tetrachloride
Concen: 52.490 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

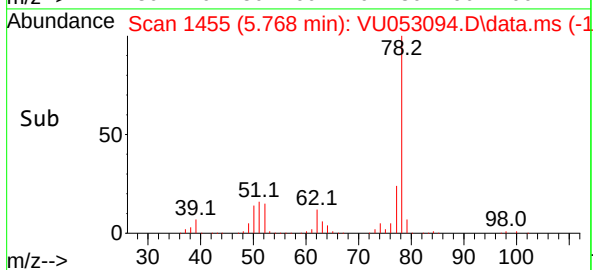
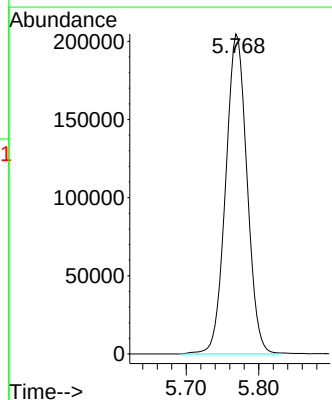
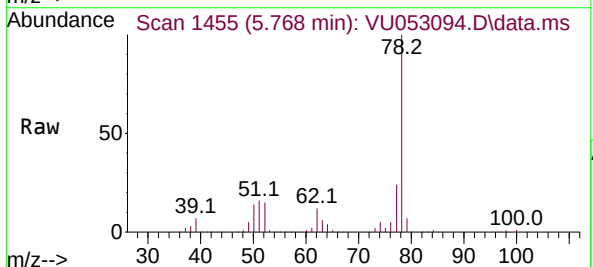
Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

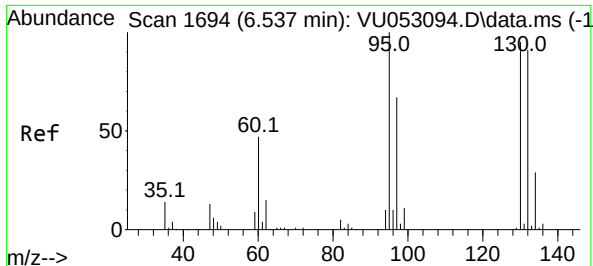
Tgt Ion:117 Resp: 141548
Ion Ratio Lower Upper
117 100
119 94.9 75.9 113.9



#33
Benzene
Concen: 56.057 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion: 78 Resp: 418328

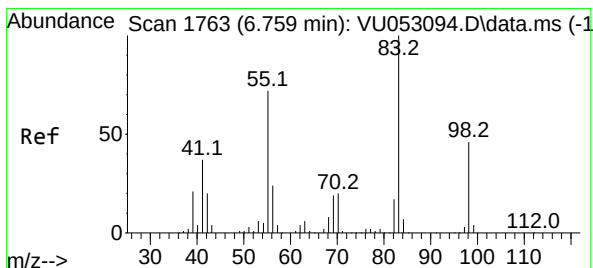
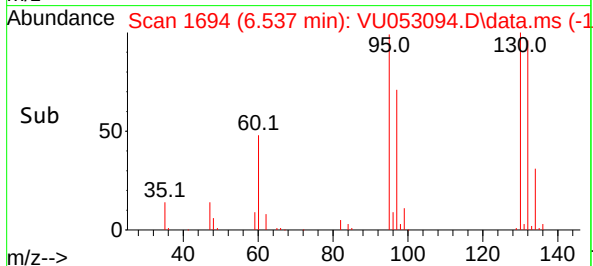
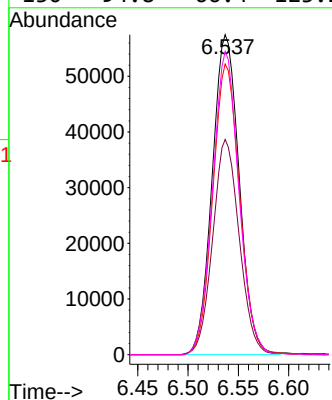
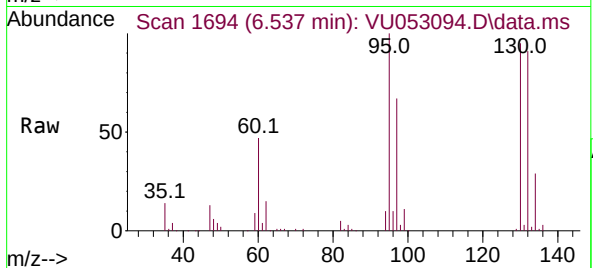




#34
Trichloroethene
Concen: 53.305 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

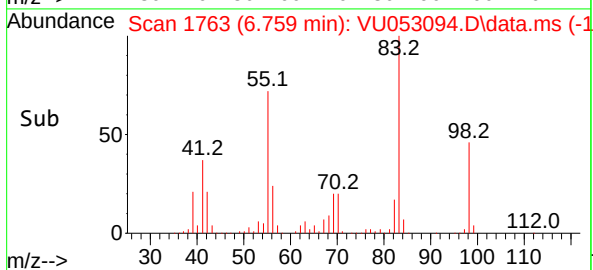
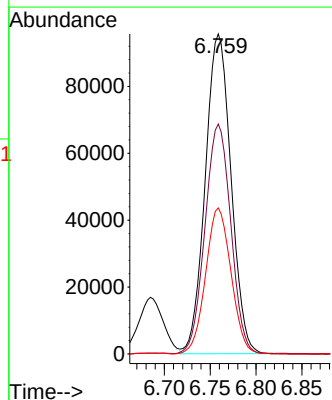
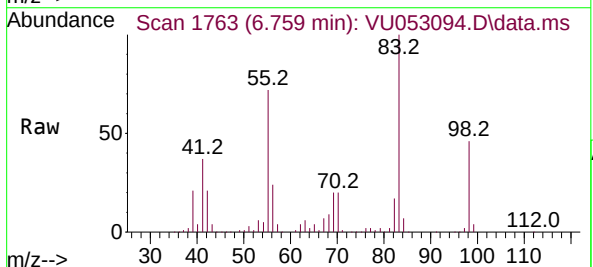
Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

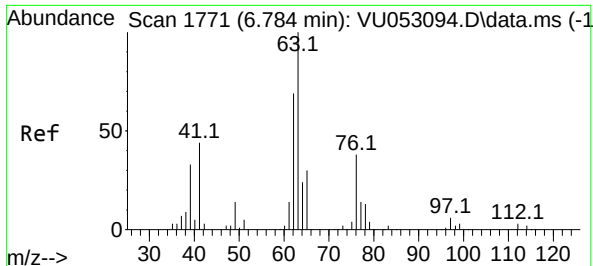
Tgt Ion: 95 Resp: 107172
Ion Ratio Lower Upper
95 100
97 67.3 47.1 87.5
132 90.9 63.6 118.2
130 94.8 66.4 123.2



#35
Methylcyclohexane
Concen: 54.451 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion: 83 Resp: 186736
Ion Ratio Lower Upper
83 100
55 71.8 57.4 86.2
98 45.1 36.1 54.1





#37

1,2-Dichloropropane

Concen: 59.178 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

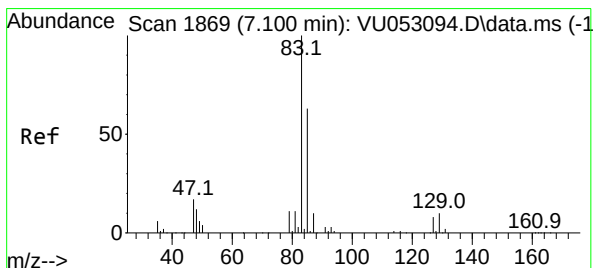
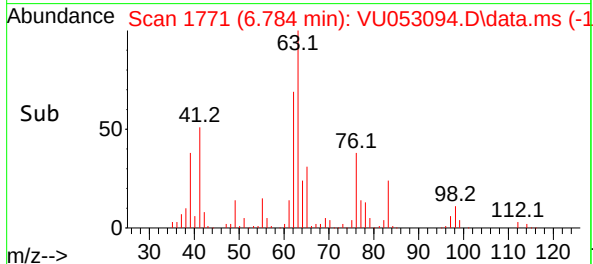
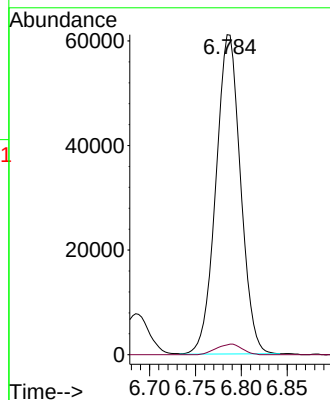
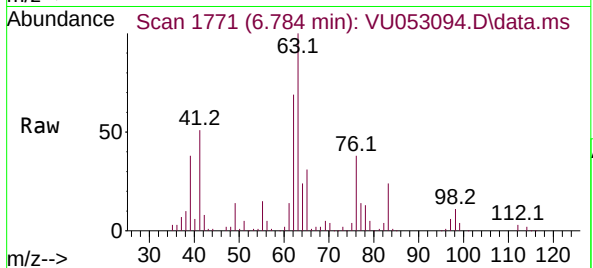
VSTD050001

Tgt Ion: 63 Resp: 114247

Ion Ratio Lower Upper

63 100

112 3.4 2.7 4.1



#38

Bromodichloromethane

Concen: 53.999 ug/L

RT: 7.100 min Scan# 1869

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

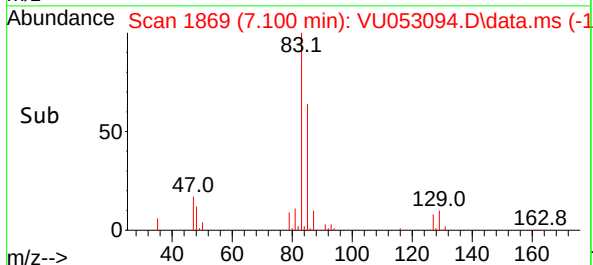
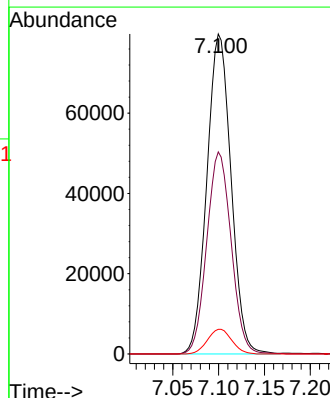
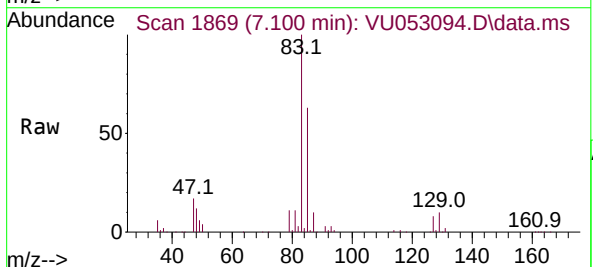
Tgt Ion: 83 Resp: 146159

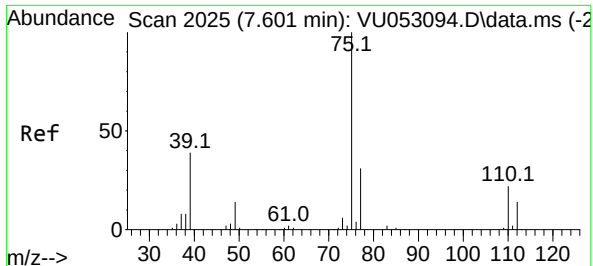
Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.0

127 7.7 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 57.407 ug/L

RT: 7.601 min Scan# 2025

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

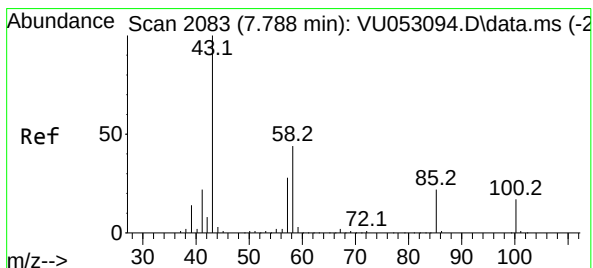
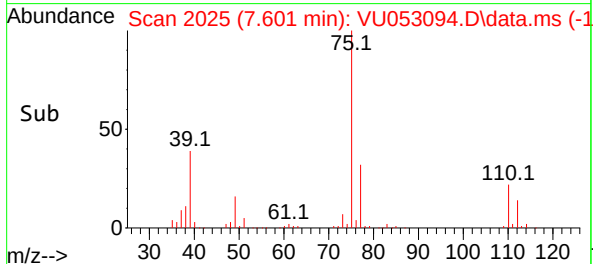
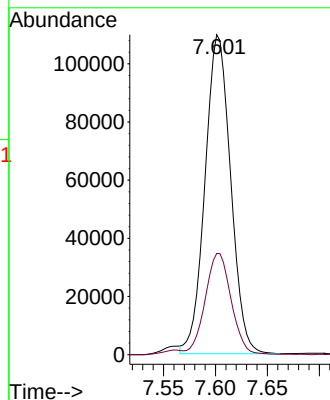
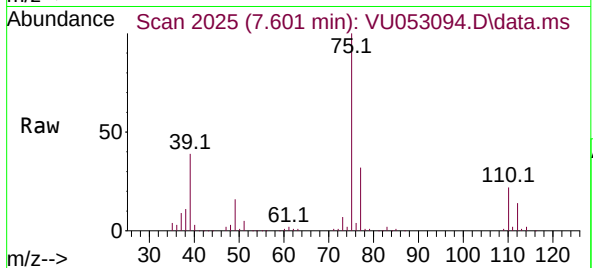
VSTD050001

Tgt Ion: 75 Resp: 188231

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 124.387 ug/L

RT: 7.788 min Scan# 2083

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

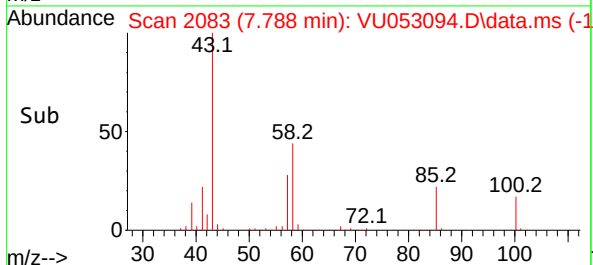
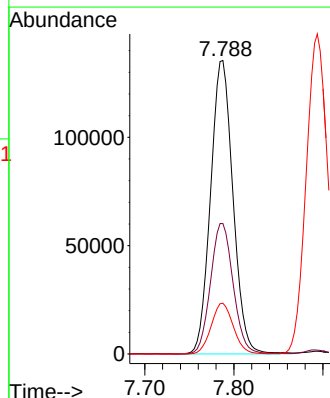
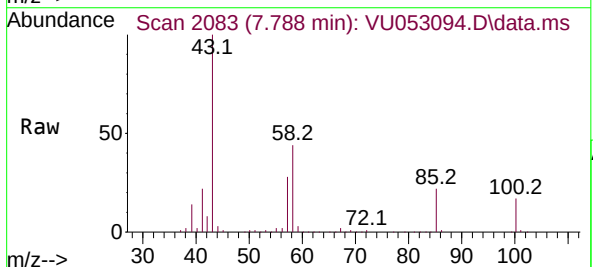
Tgt Ion: 43 Resp: 236781

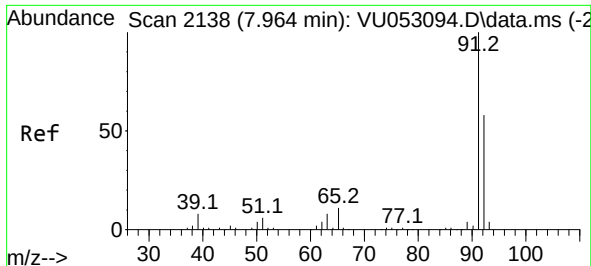
Ion Ratio Lower Upper

43 100

58 44.9 35.9 53.9

100 17.1 13.7 20.5





#42

Toluene

Concen: 52.931 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

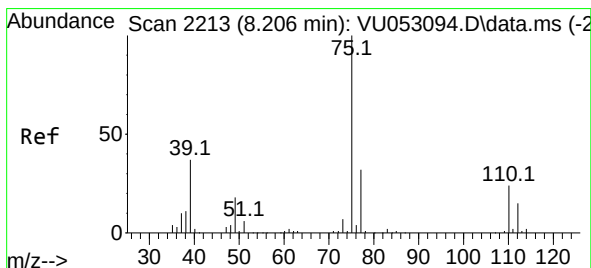
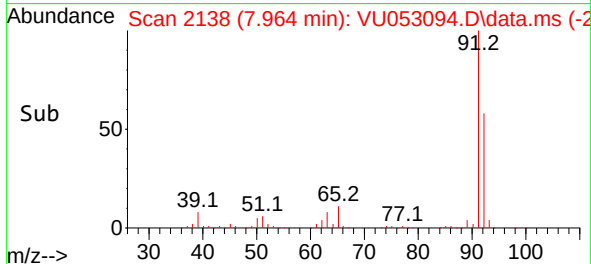
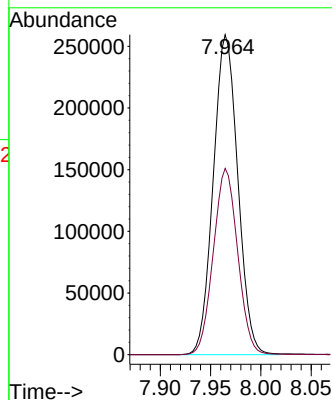
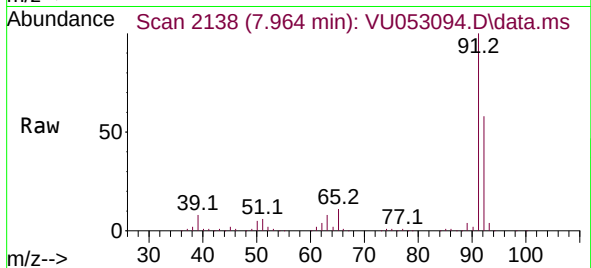
VSTD050001

Tgt Ion: 91 Resp: 440784

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 56.182 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU053094.D

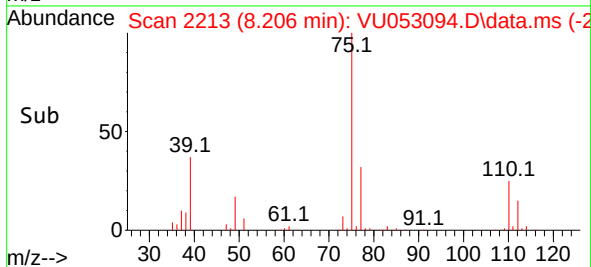
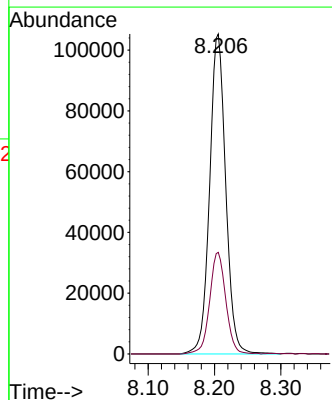
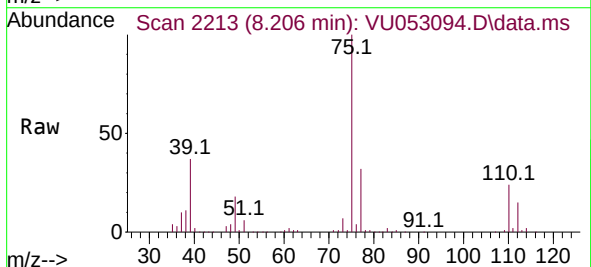
Acq: 14 Feb 2023 13:07

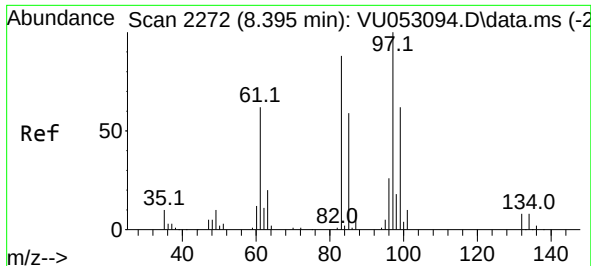
Tgt Ion: 75 Resp: 177424

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



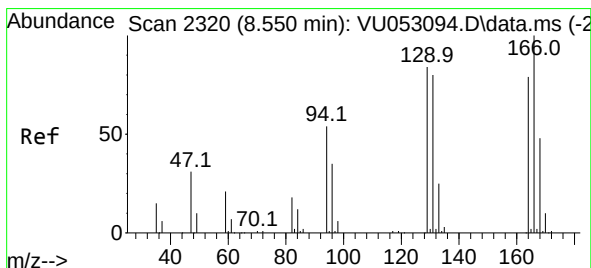
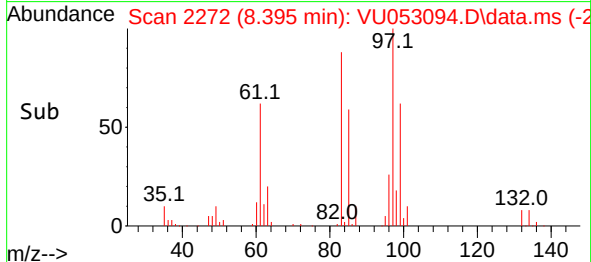
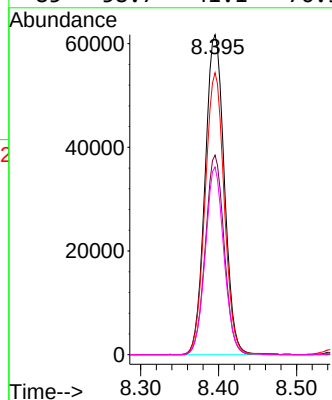
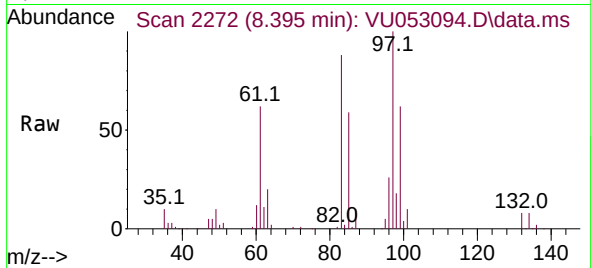


#45
1,1,2-Trichloroethane
Concen: 54.642 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

Tgt Ion: 97 Resp: 106176

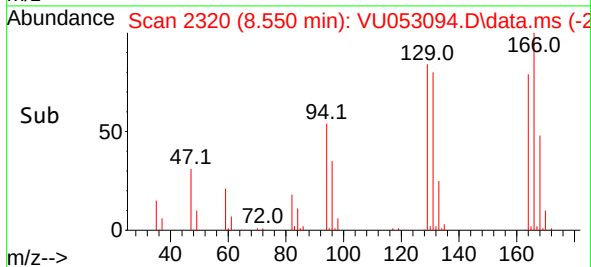
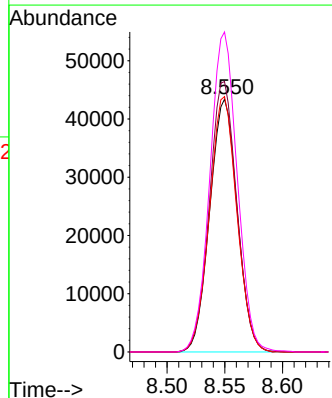
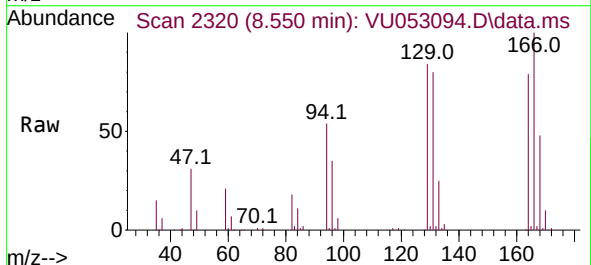
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	88.1	61.7	114.5
85	58.7	41.1	76.3

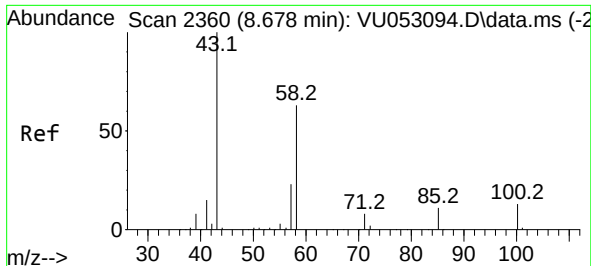


#46
Tetrachloroethene
Concen: 46.866 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion: 164 Resp: 72054

Ion	Ratio	Lower	Upper
164	100		
129	106.9	74.8	139.0
131	101.0	70.7	131.3
166	126.6	88.6	164.6



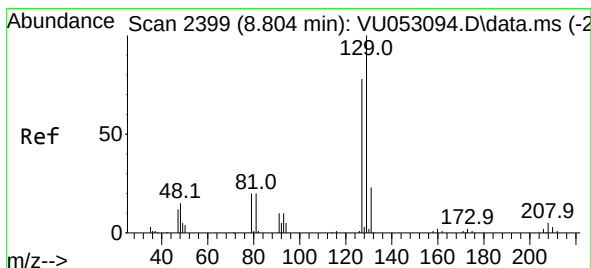
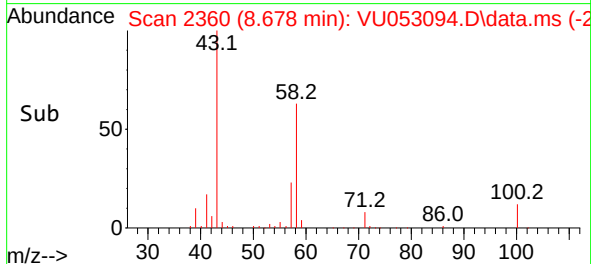
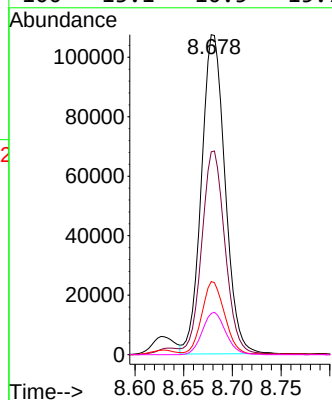
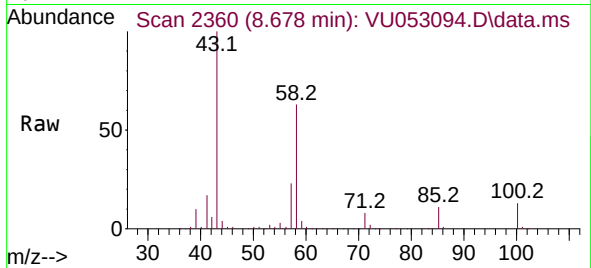


#48
2-Hexanone
Concen: 120.608 ug/L
RT: 8.678 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

Tgt Ion: 43 Resp: 181031

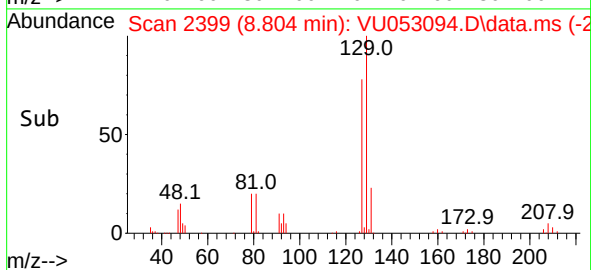
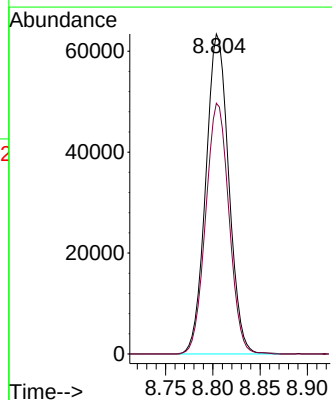
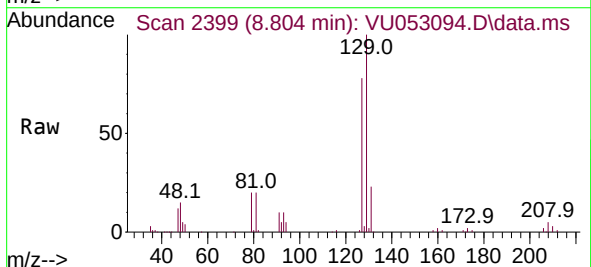
Ion	Ratio	Lower	Upper
43	100		
58	62.5	50.0	75.0
57	22.1	17.7	26.5
100	13.1	10.5	15.7

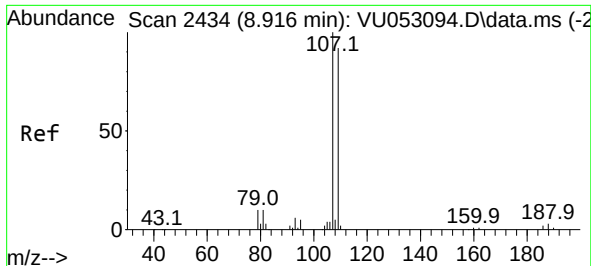


#49
Dibromochloromethane
Concen: 47.422 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion: 129 Resp: 107113

Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.9	101.9





#50

1,2-Dibromoethane

Concen: 53.044 ug/L

RT: 8.916 min Scan# 2434

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050001

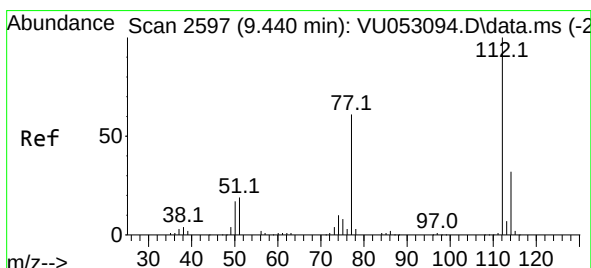
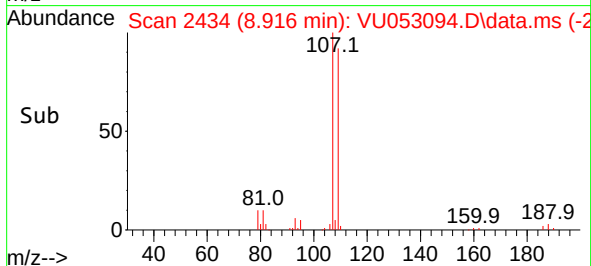
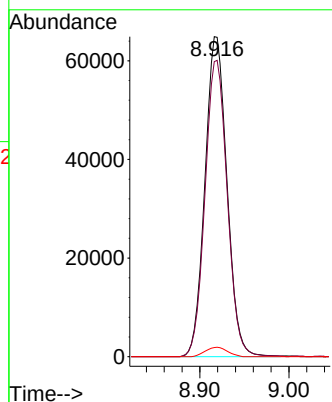
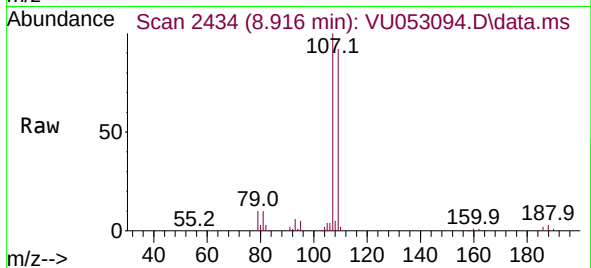
Tgt Ion:107 Resp: 111324

Ion Ratio Lower Upper

107 100

109 92.2 64.5 119.9

188 2.8 2.2 3.4



#51

Chlorobenzene

Concen: 51.348 ug/L

RT: 9.440 min Scan# 2597

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

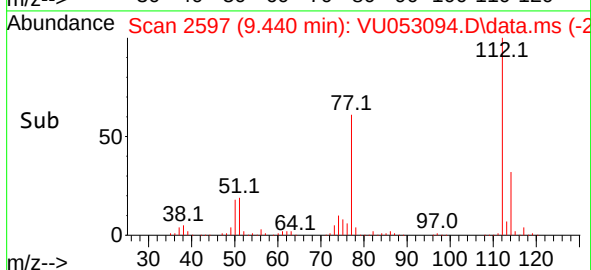
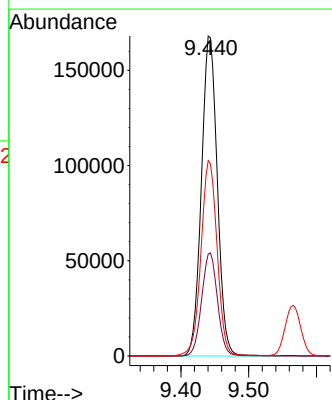
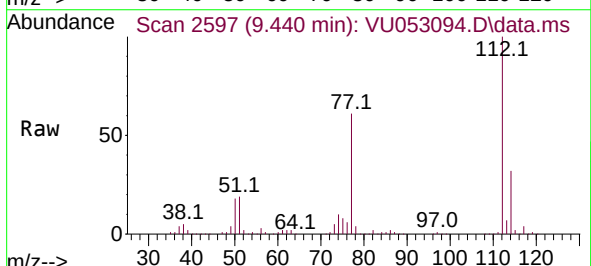
Tgt Ion:112 Resp: 273331

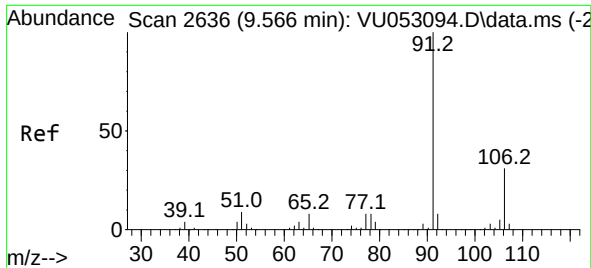
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 61.0 48.8 73.2

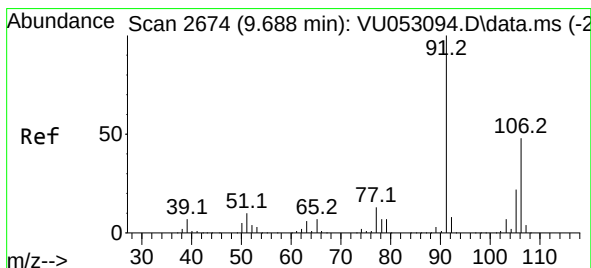
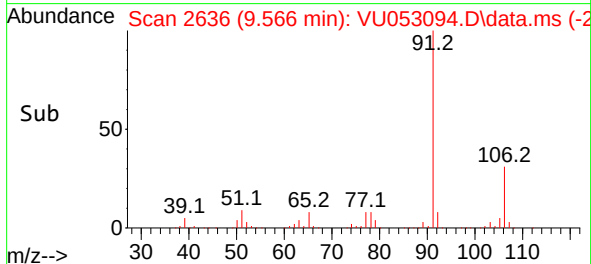
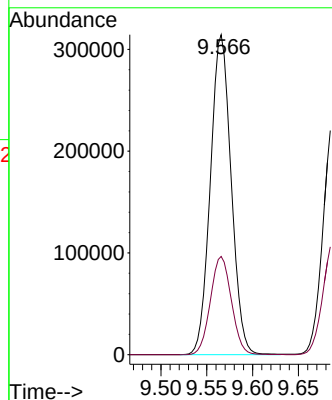
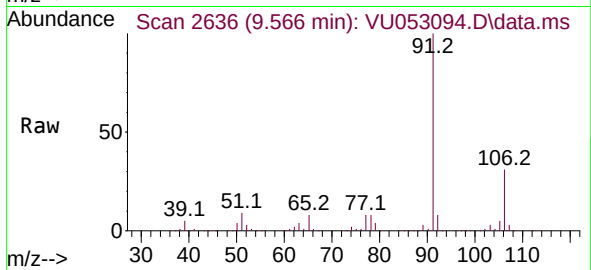




#52
Ethylbenzene
Concen: 53.834 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

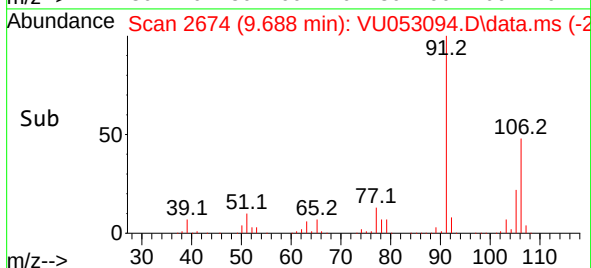
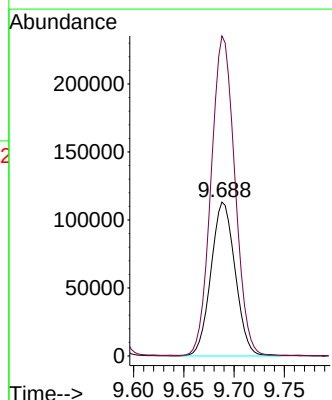
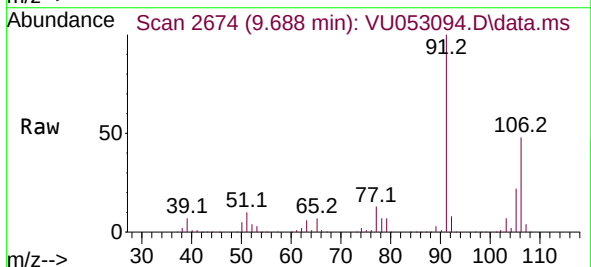
Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

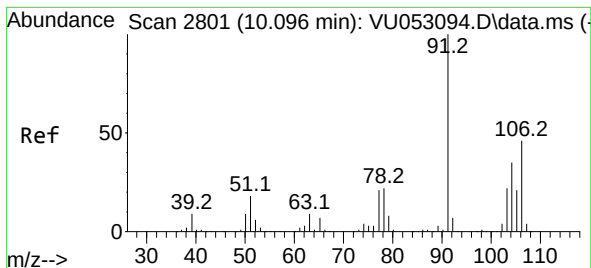
Tgt Ion: 91 Resp: 496041
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 52.453 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion:106 Resp: 189379
Ion Ratio Lower Upper
106 100
91 208.0 145.6 270.4





#54

o-xylene

Concen: 51.905 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

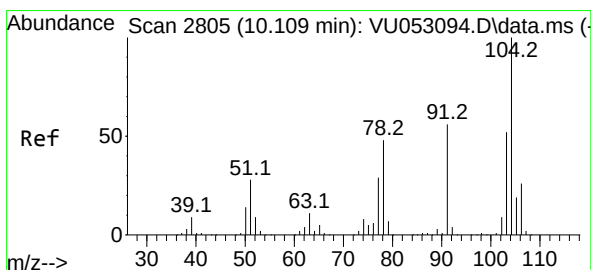
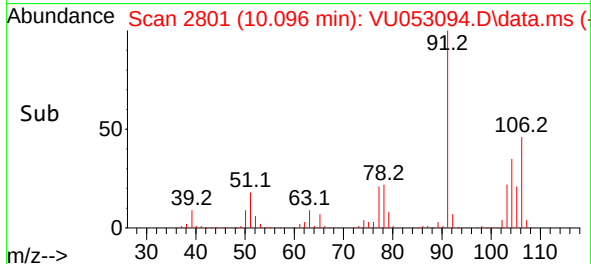
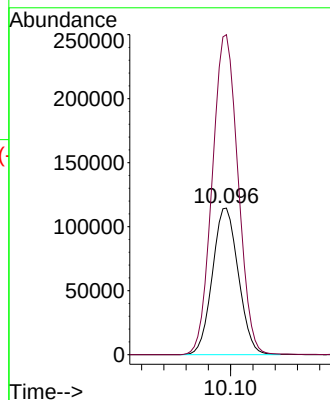
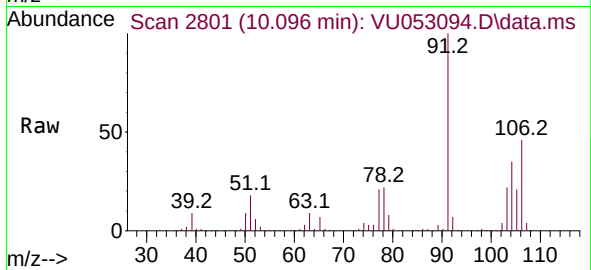
VSTD050001

Tgt Ion:106 Resp: 185159

Ion Ratio Lower Upper

106 100

91 218.3 152.8 283.8



#55

Styrene

Concen: 51.324 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. 0.000 min

Lab File: VU053094.D

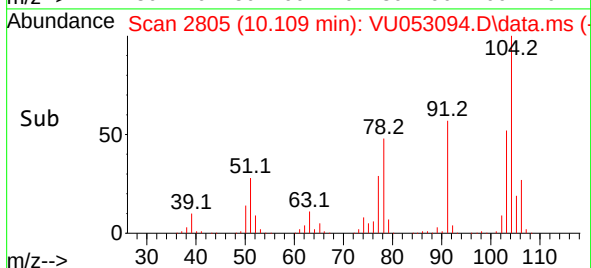
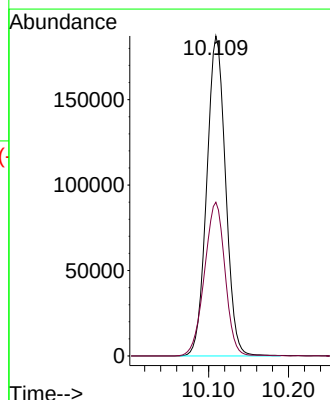
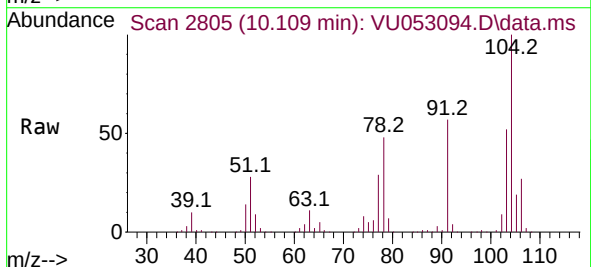
Acq: 14 Feb 2023 13:07

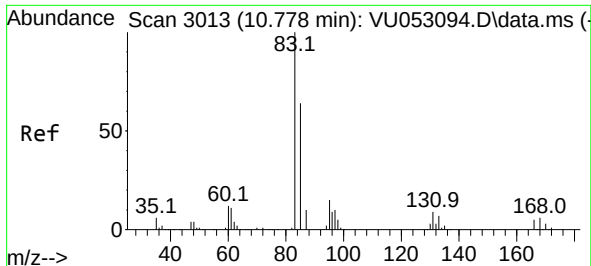
Tgt Ion:104 Resp: 306980

Ion Ratio Lower Upper

104 100

78 48.0 33.6 62.4

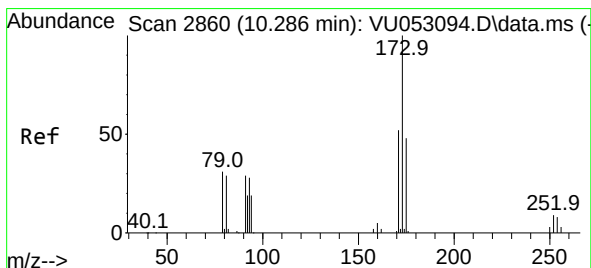
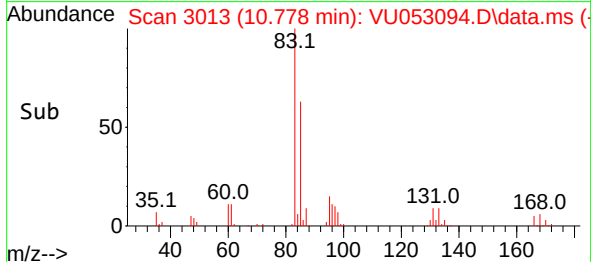
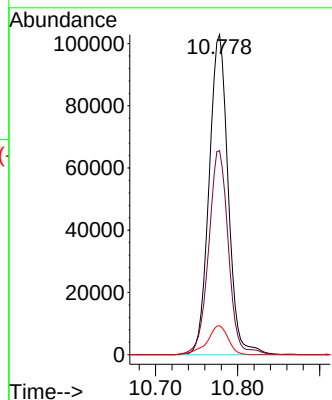
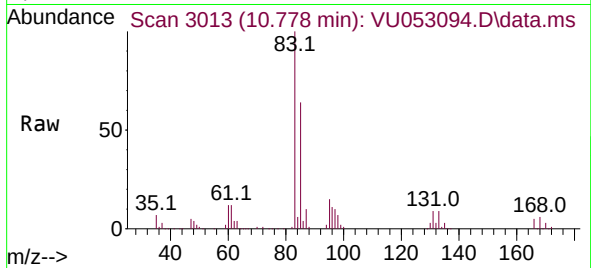




#57
 1,1,2,2-Tetrachloroethane
 Concen: 54.805 ug/L
 RT: 10.778 min Scan# 3013
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

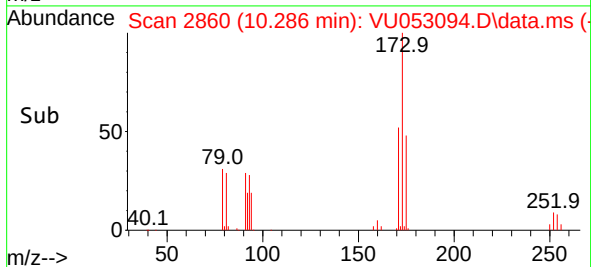
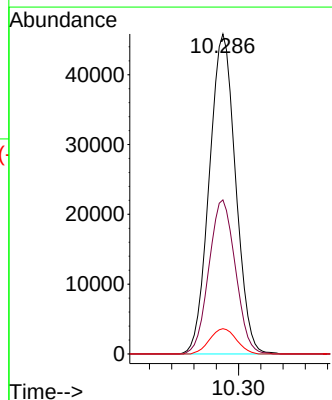
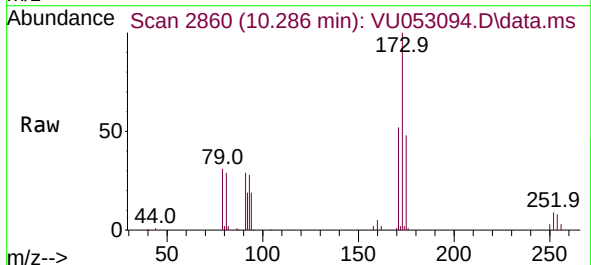
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050001

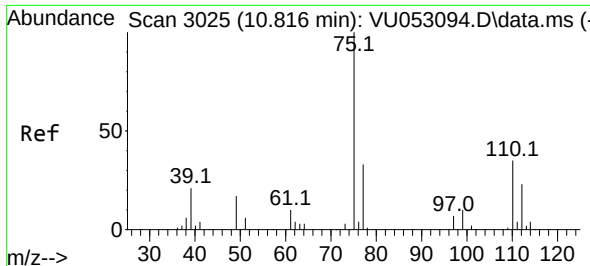
Tgt Ion: 83 Resp: 166144
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.7 82.9
 131 9.0 7.2 10.8



#59
 Bromoform
 Concen: 47.122 ug/L
 RT: 10.286 min Scan# 2860
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

Tgt Ion: 173 Resp: 75072
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 8.0 6.4 9.6

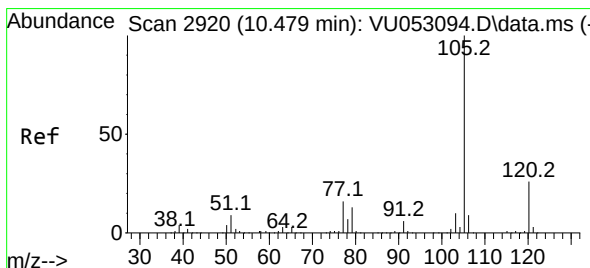
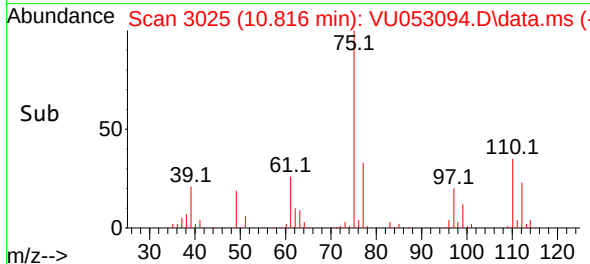
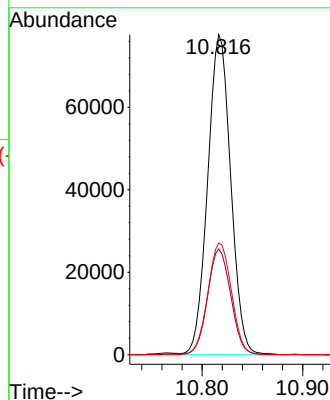
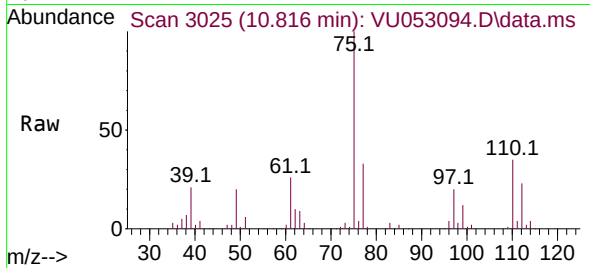




#60
1,2,3-Trichloropropane
Concen: 58.190 ug/L
RT: 10.816 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

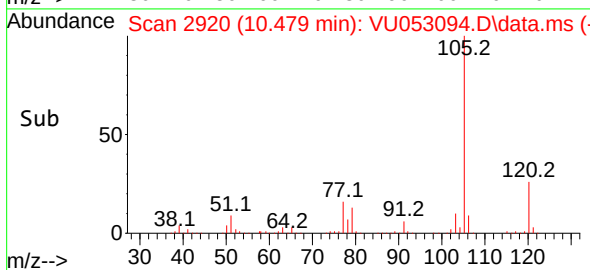
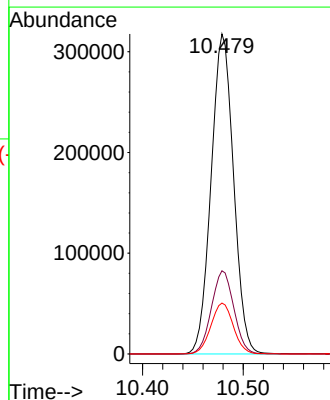
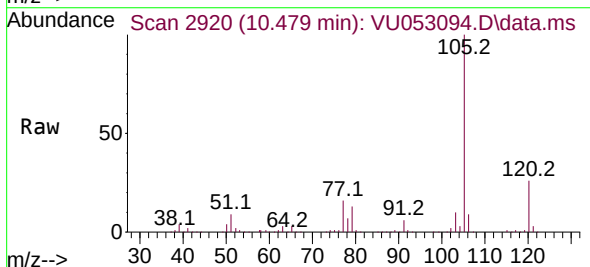
Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

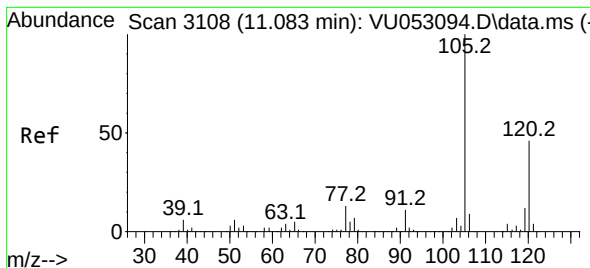
Tgt Ion: 75 Resp: 123517
Ion Ratio Lower Upper
75 100
77 33.2 26.6 39.8
110 35.7 28.6 42.8



#61
Isopropylbenzene
Concen: 56.092 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion: 105 Resp: 492453
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 16.0 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 53.563 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

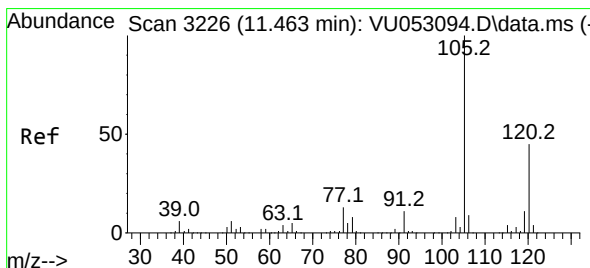
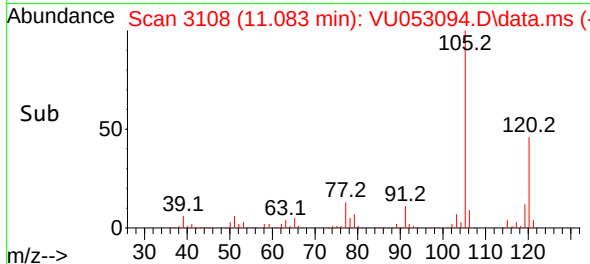
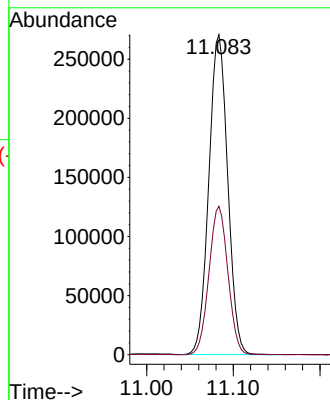
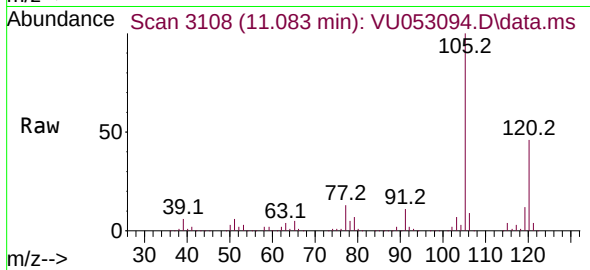
VSTD050001

Tgt Ion:105 Resp: 409153

Ion Ratio Lower Upper

105 100

120 46.5 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 53.127 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. 0.000 min

Lab File: VU053094.D

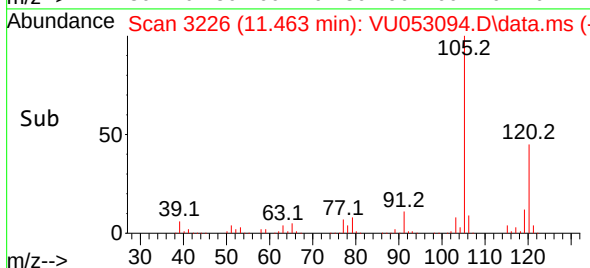
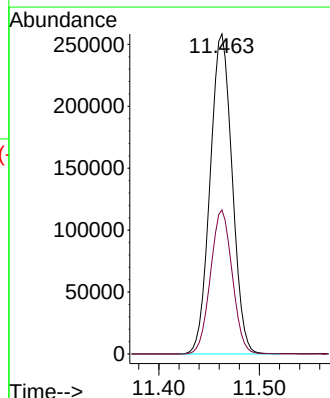
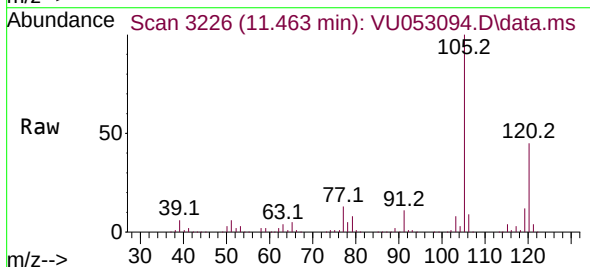
Acq: 14 Feb 2023 13:07

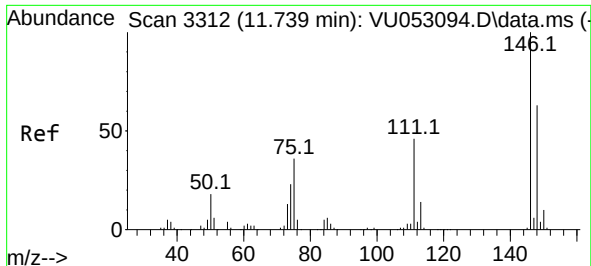
Tgt Ion:105 Resp: 393700

Ion Ratio Lower Upper

105 100

120 44.3 35.4 53.2





#64

1,3-Dichlorobenzene

Concen: 50.844 ug/L

RT: 11.739 min Scan# 3312

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050001

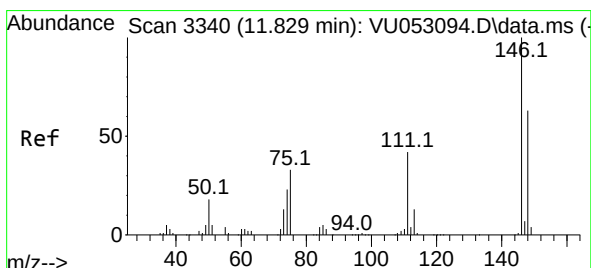
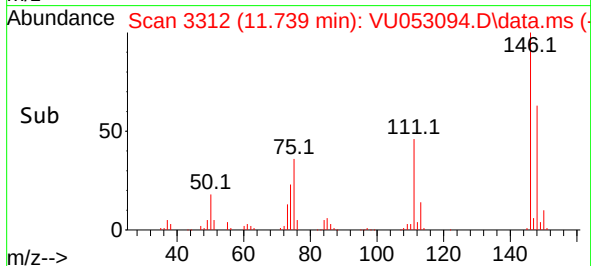
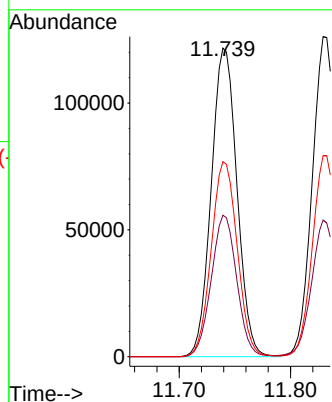
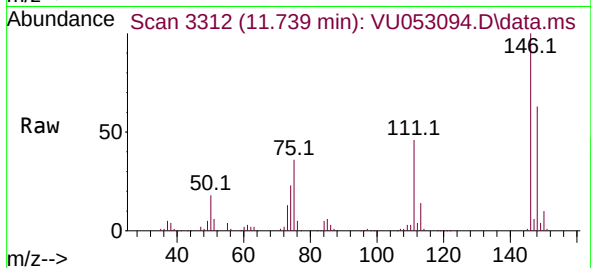
Tgt Ion:146 Resp: 195326

Ion Ratio Lower Upper

146 100

111 45.8 32.1 59.5

148 63.2 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 50.858 ug/L

RT: 11.829 min Scan# 3340

Delta R.T. 0.000 min

Lab File: VU053094.D

Acq: 14 Feb 2023 13:07

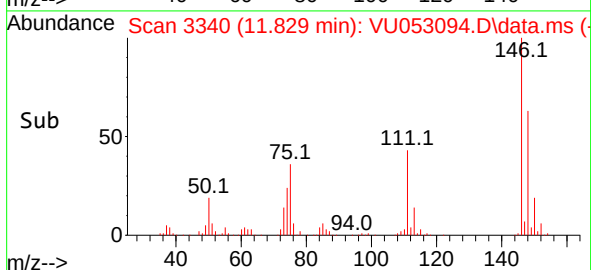
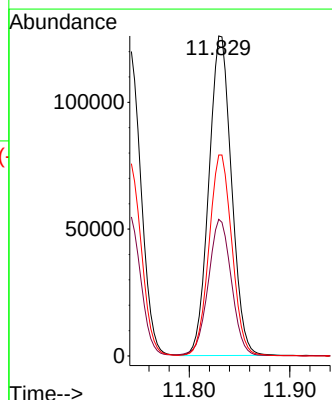
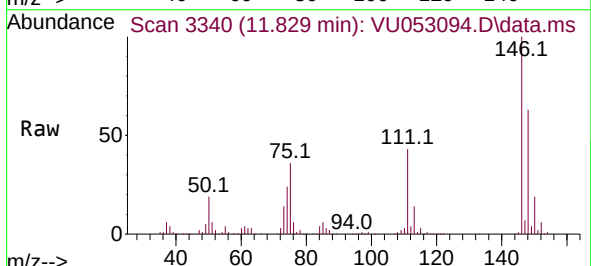
Tgt Ion:146 Resp: 197382

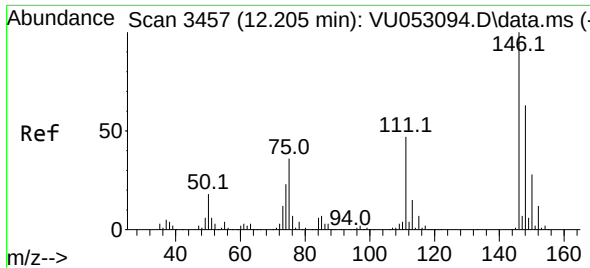
Ion Ratio Lower Upper

146 100

111 42.7 29.9 55.5

148 62.8 44.0 81.6

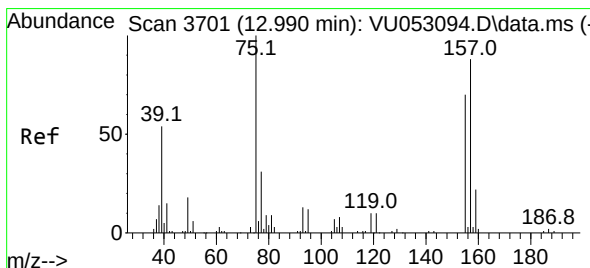
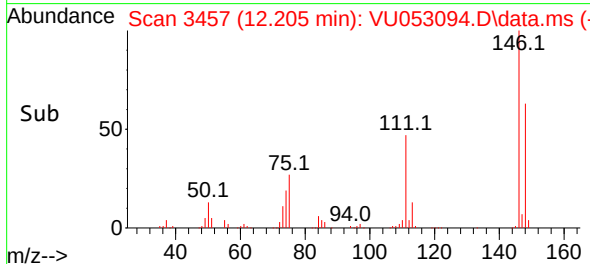
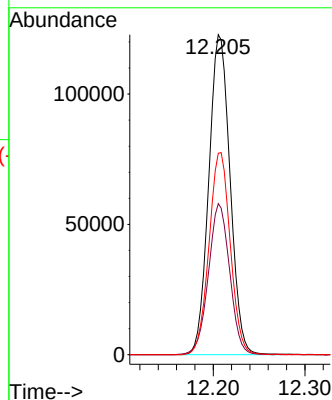
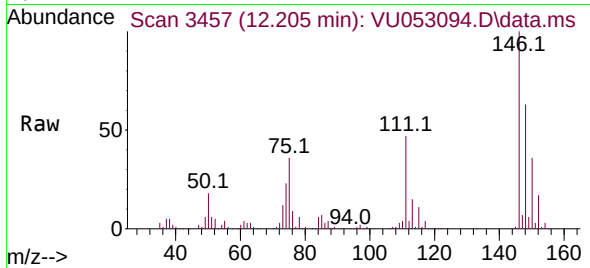




#67
1,2-Dichlorobenzene
Concen: 50.941 ug/L
RT: 12.205 min Scan# 3457
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

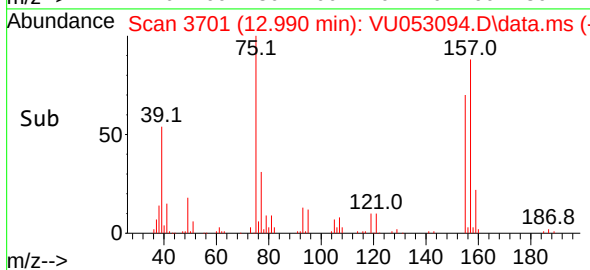
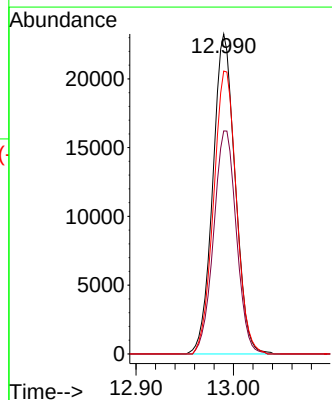
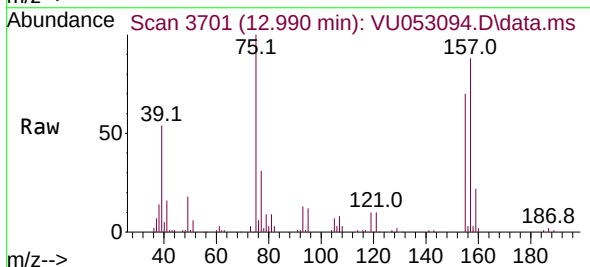
Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

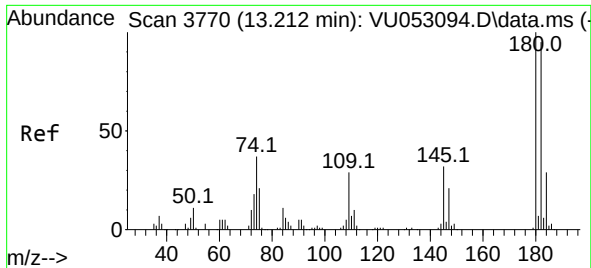
Tgt Ion:146 Resp: 197687
Ion Ratio Lower Upper
146 100
111 47.2 37.8 56.6
148 63.0 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 57.581 ug/L
RT: 12.990 min Scan# 3701
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion: 75 Resp: 37074
Ion Ratio Lower Upper
75 100
155 69.7 55.8 83.6
157 88.4 70.7 106.1

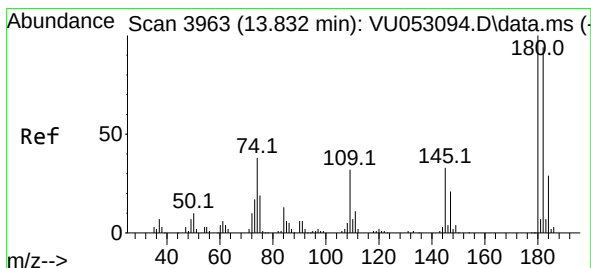
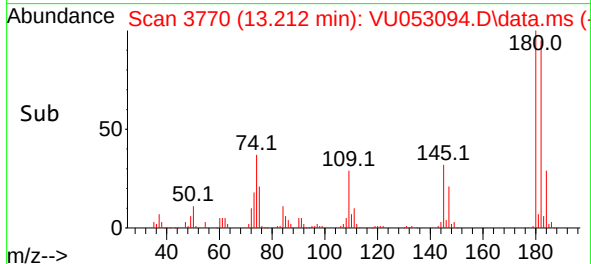
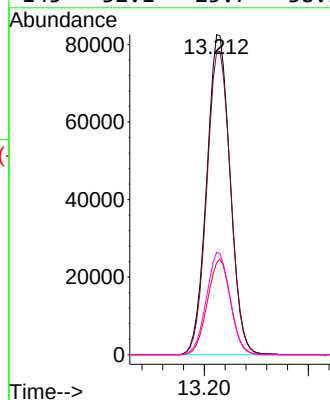
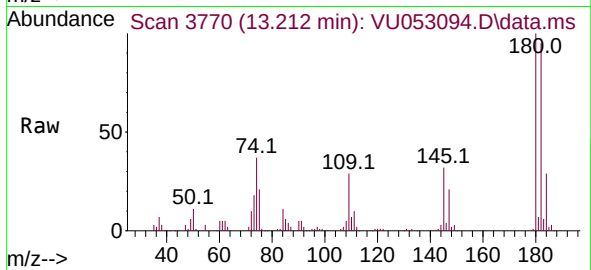




#69
 1,3,5-Trichlorobenzene
 Concen: 44.751 ug/L
 RT: 13.212 min Scan# 3770
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

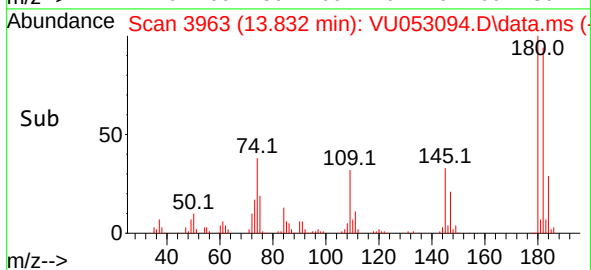
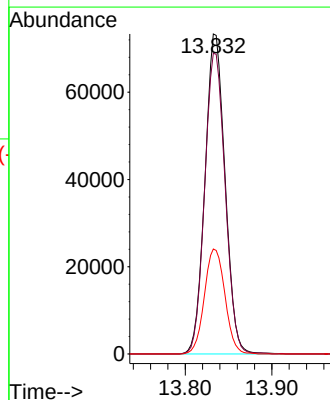
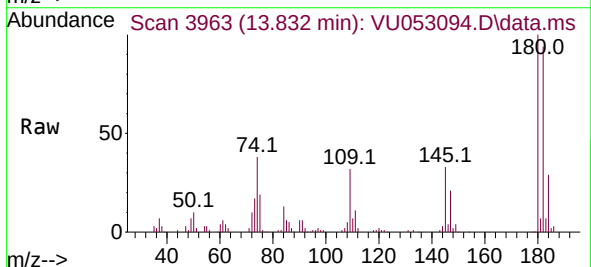
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050001

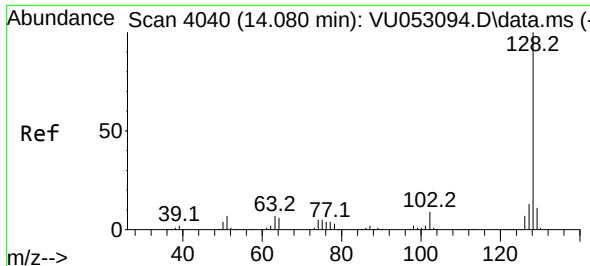
Tgt Ion:180 Resp: 129052
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.9 115.3
 184 29.6 23.7 35.5
 145 32.1 25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 45.506 ug/L
 RT: 13.832 min Scan# 3963
 Delta R.T. 0.000 min
 Lab File: VU053094.D
 Acq: 14 Feb 2023 13:07

Tgt Ion:180 Resp: 118211
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 145 33.5 26.8 40.2

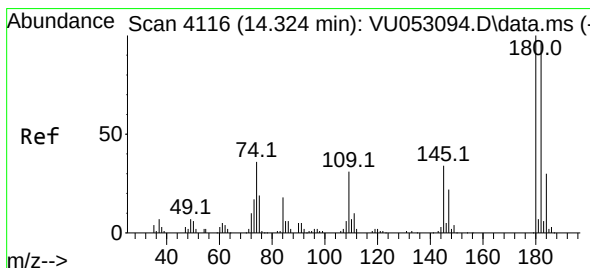
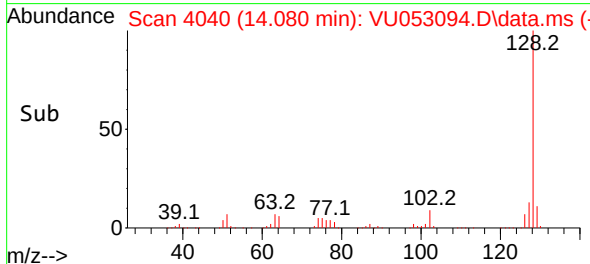
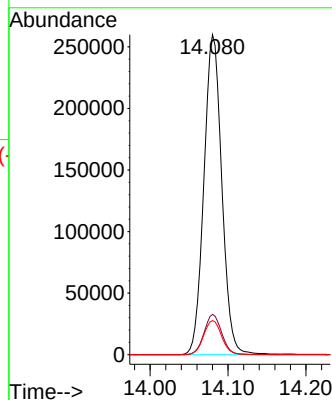
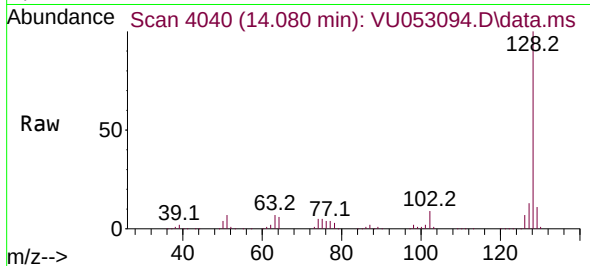




#71
Naphthalene
Concen: 52.095 ug/L
RT: 14.080 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD050001

Tgt Ion:128 Resp: 415534
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 46.488 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. 0.000 min
Lab File: VU053094.D
Acq: 14 Feb 2023 13:07

Tgt Ion:180 Resp: 118468
Ion Ratio Lower Upper
180 100
182 94.3 75.4 113.2
145 35.2 28.2 42.2

