

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060923\
 Data File : VU054450.D
 Acq On : 09 Jun 2023 09:36
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005177

Quant Time: Jun 12 00:56:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:20:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	310353	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	285665	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	150442	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	77528	3.925	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.914	69	76300	4.126	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.566	65	35285	4.000	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.631	46	255175	45.951	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.900%
24) Chloroform-d	5.062	84	180811	4.380	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.698	65	87268	4.336	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.724	84	336436	4.237	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
36) 1,2-Dichloropropane-d6	6.689	67	114763	4.328	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.894	98	299727	4.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.177	79	38571	4.182	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.631	63	166075	42.924	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.840%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86314	4.365	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	106433	4.194	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	145686	5.024	ug/L	98
3) Chloromethane	1.518	50	164114	4.926	ug/L	99
5) Vinyl chloride	1.602	62	173432	5.072	ug/L	98
6) Bromomethane	1.859	94	95312	5.070	ug/L	97
8) Chloroethane	1.933	64	102799	5.016	ug/L	96
9) Trichlorofluoromethane	2.139	101	217771	5.181	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	128584	5.229	ug/L	99
12) 1,1-Dichloroethene	2.579	96	115315	5.123	ug/L	97
13) Acetone	2.647	43	256542	48.996	ug/L	98
14) Carbon disulfide	2.792	76	344450	5.160	ug/L	99
15) Methyl Acetate	2.959	43	47002	4.844	ug/L	100
16) Methylene chloride	3.046	84	127164	4.017	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	281975	5.075	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	119895	5.159	ug/L	95
19) 1,1-Dichloroethane	3.865	63	247741	5.151	ug/L	99
21) 2-Butanone	4.711	43	354056	52.103	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	133574	5.047	ug/L	98
23) Bromochloromethane	4.972	128	56087	5.093	ug/L	97
25) Chloroform	5.084	83	244531	5.157	ug/L	100

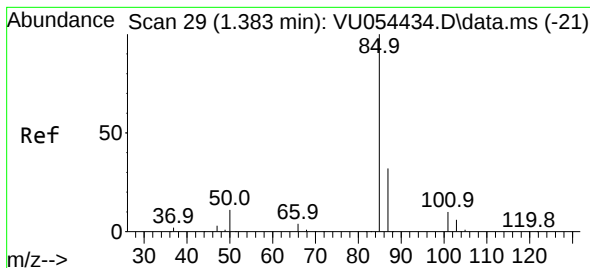
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 Data File : VU054450.D
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Quant Time: Jun 12 00:56:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:20:50 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	141241	5.082	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	202707	5.233	ug/L	99
30) Cyclohexane	5.386	56	215305	5.103	ug/L	99
31) Carbon tetrachloride	5.521	117	178961	5.362	ug/L	99
33) Benzene	5.772	78	529938	5.162	ug/L	100
34) Trichloroethene	6.537	95	138439	5.099	ug/L	96
35) Methylcyclohexane	6.759	83	210315	5.125	ug/L	99
37) 1,2-Dichloropropane	6.788	63	144603	5.209	ug/L	98
38) Bromodichloromethane	7.100	83	163905	5.216	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	199147	5.255	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	755519	51.001	ug/L	99
42) Toluene	7.965	91	561913	5.315	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	159364	5.181	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	93089	5.271	ug/L	98
47) Tetrachloroethene	8.550	164	105227	5.064	ug/L	97
48) 2-Hexanone	8.679	43	558649	50.612	ug/L	99
49) Dibromochloromethane	8.804	129	100220	5.405	ug/L	99
50) 1,2-Dibromoethane	8.920	107	84899	5.237	ug/L	97
51) Chlorobenzene	9.444	112	341120	5.176	ug/L	99
52) Ethylbenzene	9.566	91	599616	5.193	ug/L	100
53) m,p-Xylene	9.692	106	225416	5.314	ug/L	97
54) o-Xylene	10.097	106	216025	5.266	ug/L	99
55) Styrene	10.110	104	370304	5.378	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	112898	5.033	ug/L	98
59) Bromoform	10.286	173	56791	5.258	ug/L	100
60) Isopropylbenzene	10.479	105	586767	5.332	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	78142	5.140	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	474214	5.281	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	479027	5.253	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	273435	5.315	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	265299	5.139	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	245754	5.194	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	16283	4.874	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	199401	5.137	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	155923	4.858	ug/L	98
71) Naphthalene	14.084	128	233760	4.479	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	134624	4.882	ug/L	98

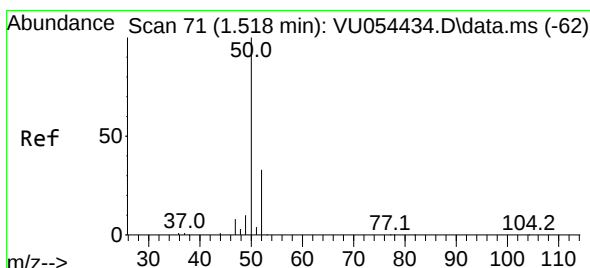
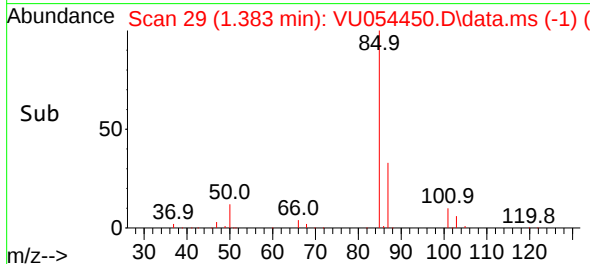
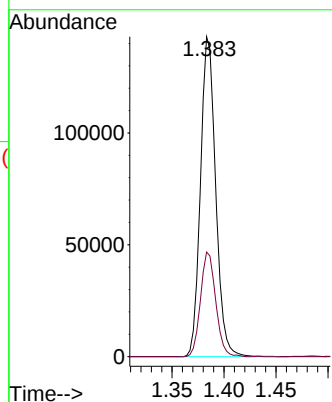
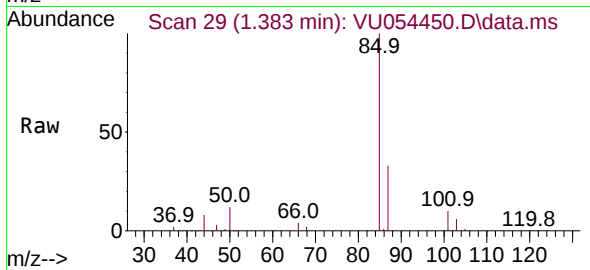
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.024 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

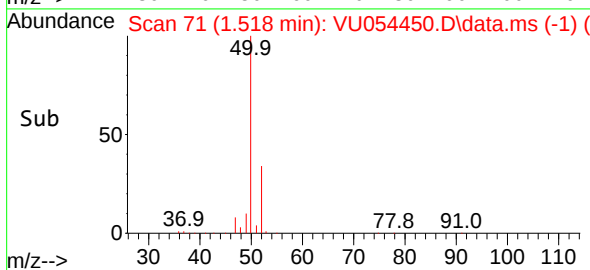
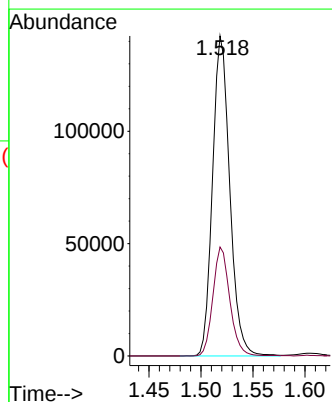
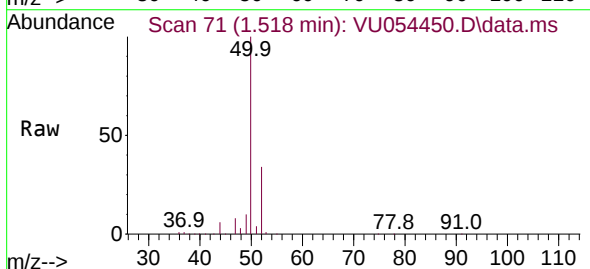
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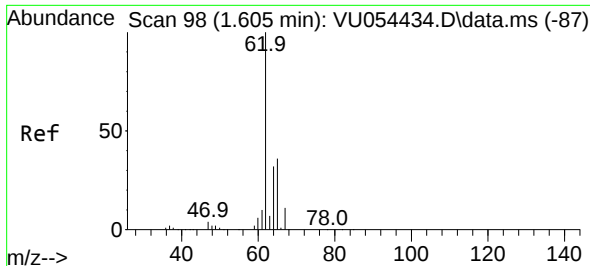
Tgt Ion: 85 Resp: 145686
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.4 38.2



#3
 Chloromethane
 Concen: 4.926 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

Tgt Ion: 50 Resp: 164114
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.4 43.4

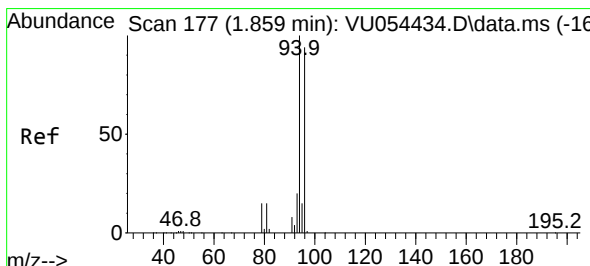
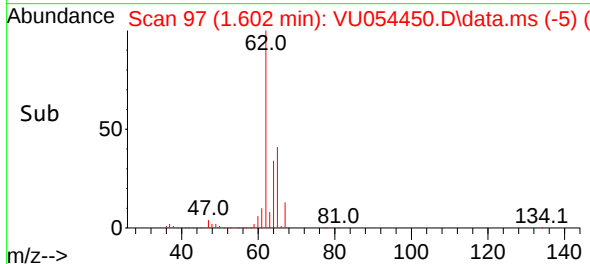
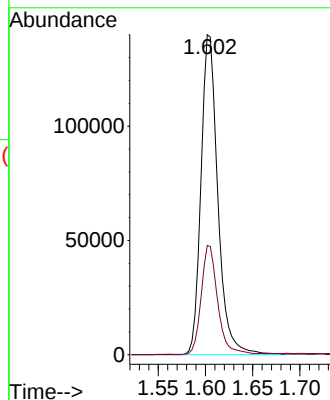
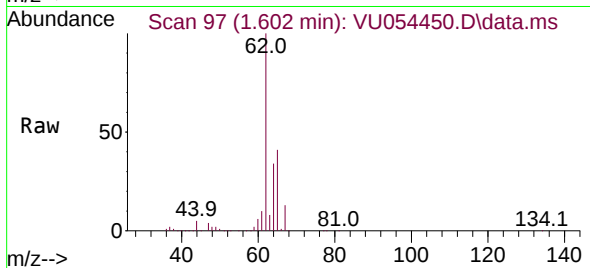




#5
 Vinyl chloride
 Concen: 5.072 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

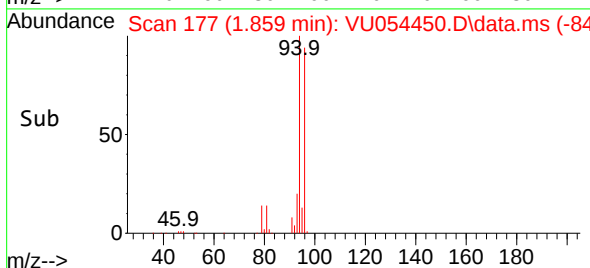
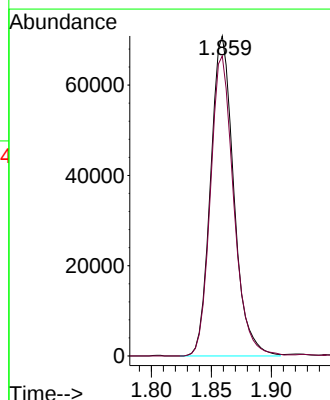
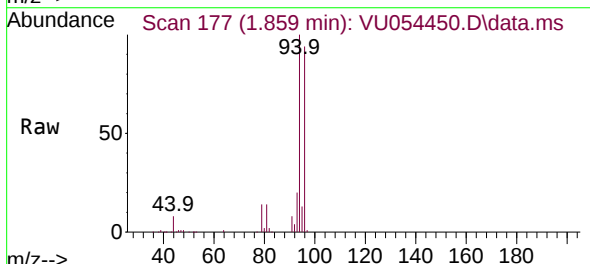
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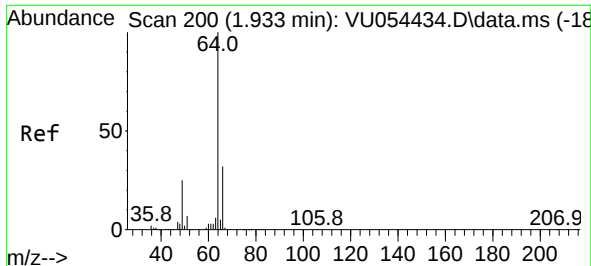
Tgt Ion: 62 Resp: 173432
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.0 42.6



#6
 Bromomethane
 Concen: 5.070 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. -0.000 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

Tgt Ion: 94 Resp: 95312
 Ion Ratio Lower Upper
 94 100
 96 93.7 63.6 118.2

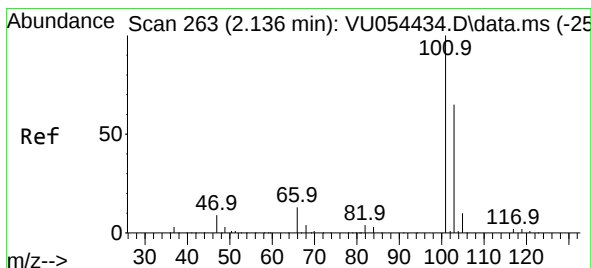
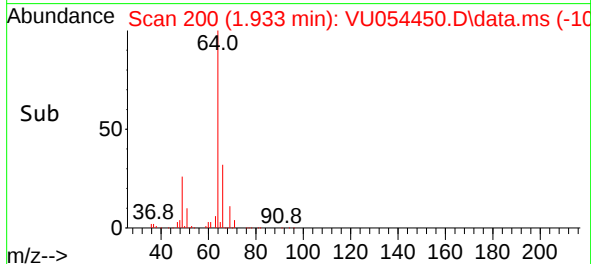
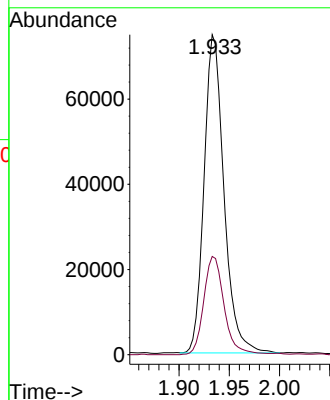
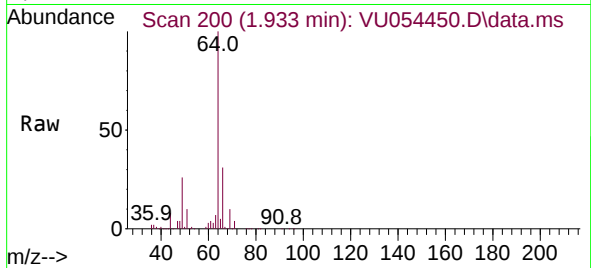




#8
Chloroethane
Concen: 5.016 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

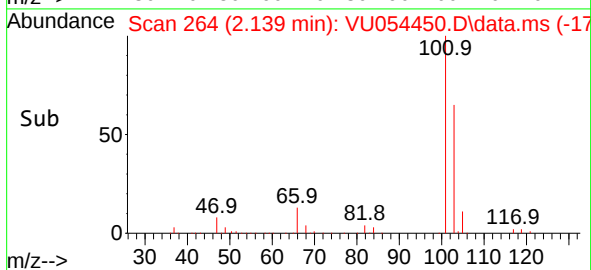
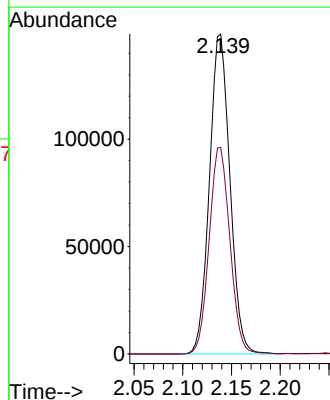
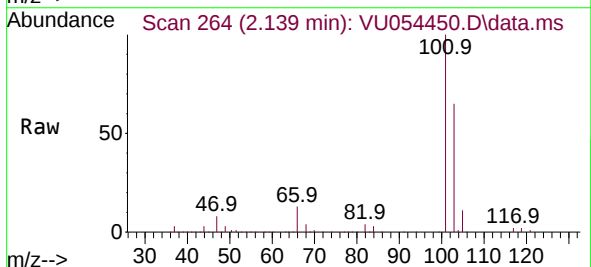
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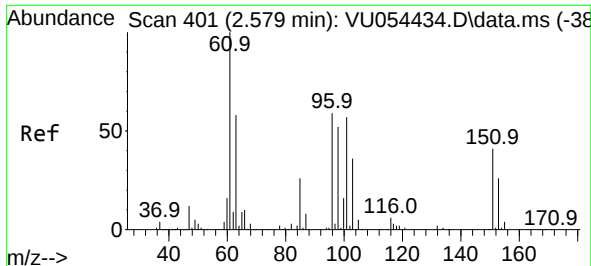
Tgt Ion: 64 Resp: 102799
Ion Ratio Lower Upper
64 100
66 30.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.181 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion:101 Resp: 217771
Ion Ratio Lower Upper
101 100
103 65.4 50.6 75.8

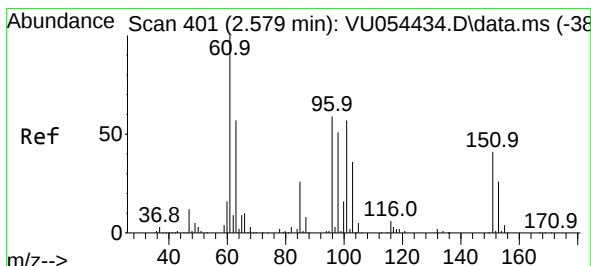
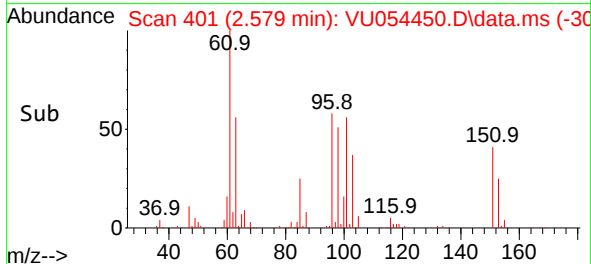
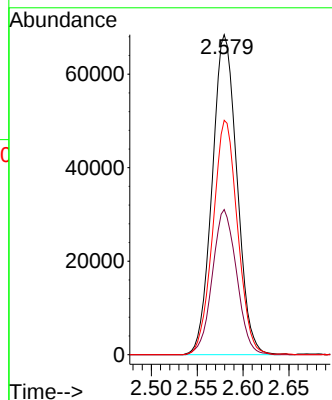
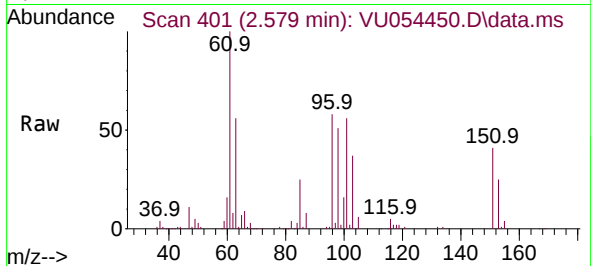




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.229 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

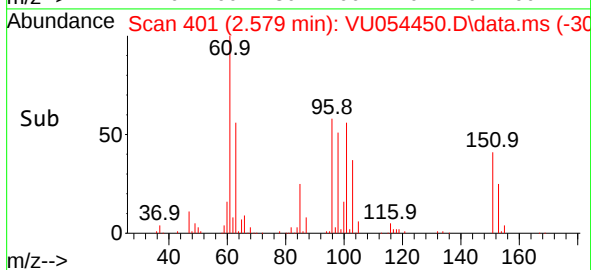
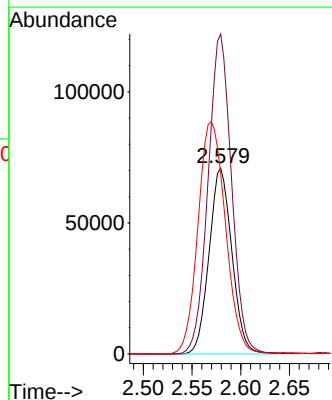
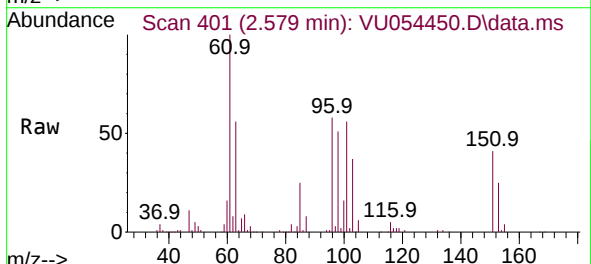
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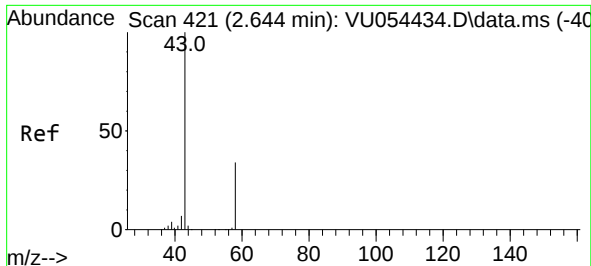
Tgt Ion:101 Resp: 128584
 Ion Ratio Lower Upper
 101 100
 85 44.5 34.6 51.8
 151 72.8 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 5.123 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

Tgt Ion: 96 Resp: 115315
 Ion Ratio Lower Upper
 96 100
 61 172.3 119.9 222.7
 63 97.3 64.3 119.3





#13

Acetone

Concen: 48.996 ug/L

RT: 2.647 min Scan# 421

Delta R.T. 0.003 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

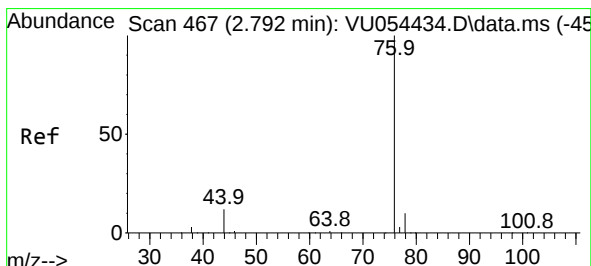
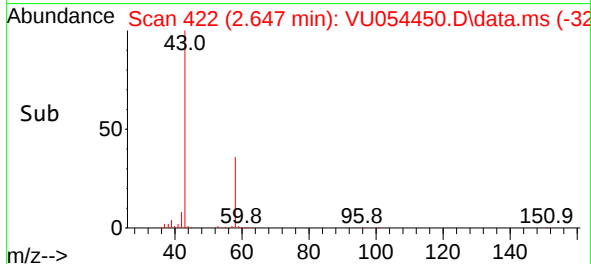
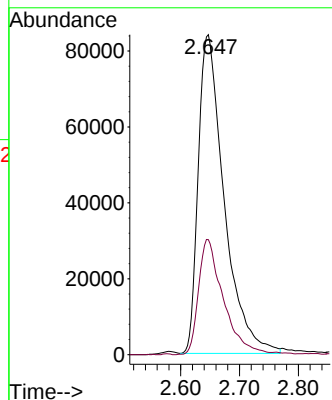
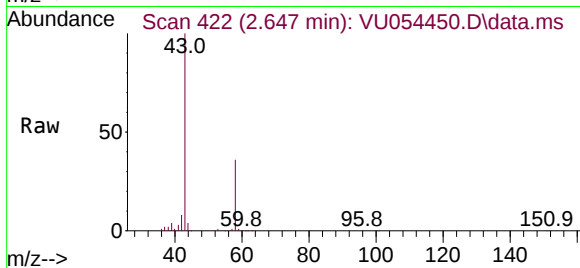
VSTD005177

Tgt Ion: 43 Resp: 256542

Ion Ratio Lower Upper

43 100

58 34.6 0.0 67.2



#14

Carbon disulfide

Concen: 5.160 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054450.D

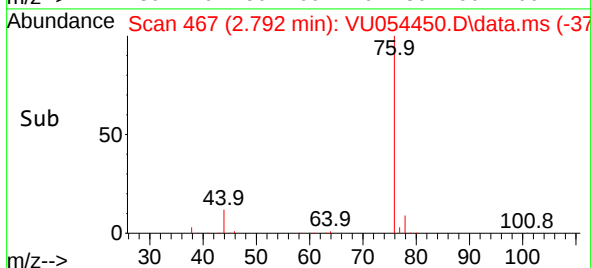
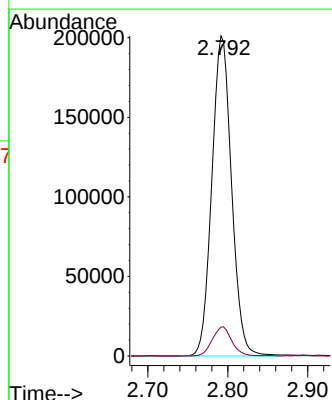
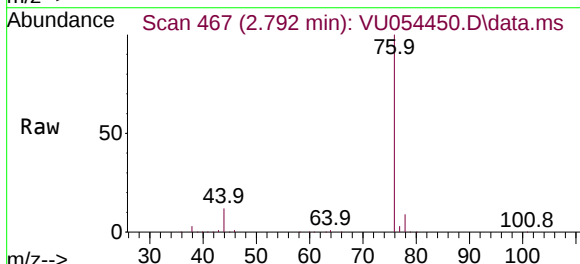
Acq: 09 Jun 2023 09:36

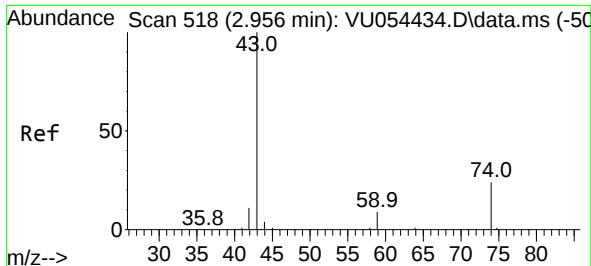
Tgt Ion: 76 Resp: 344450

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

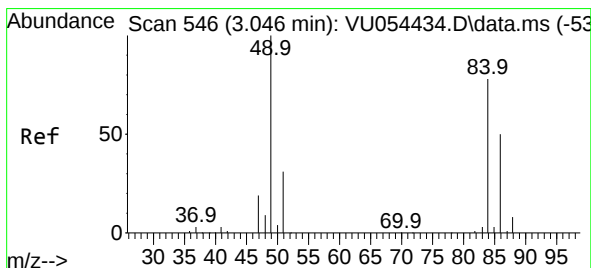
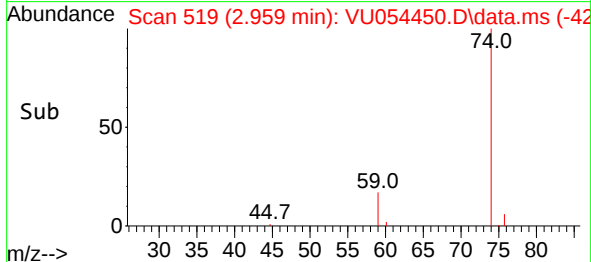
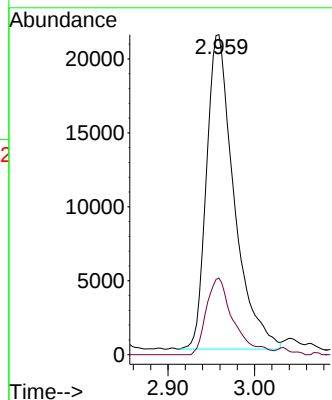
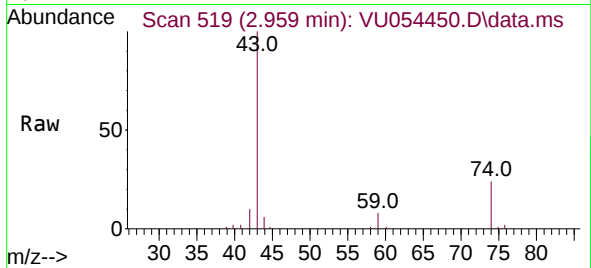




#15
Methyl Acetate
Concen: 4.844 ug/L
RT: 2.959 min Scan# 518
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

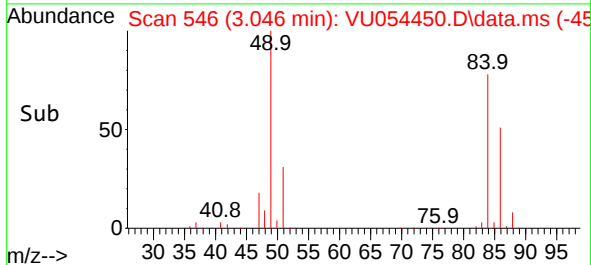
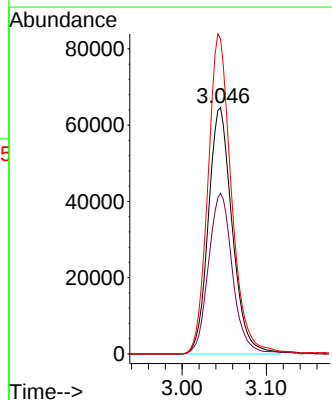
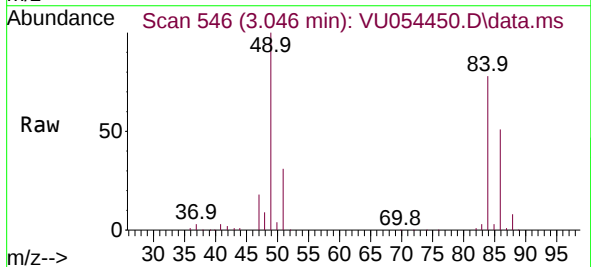
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

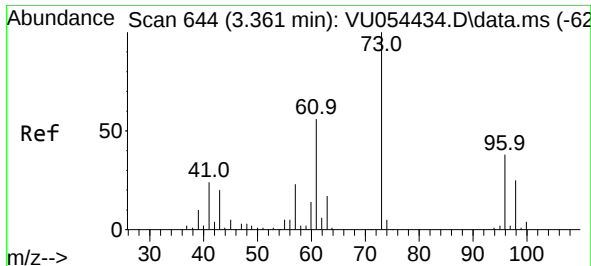
Tgt Ion: 43 Resp: 47002
Ion Ratio Lower Upper
43 100
74 24.0 19.0 28.6



#16
Methylene chloride
Concen: 4.017 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 84 Resp: 127164
Ion Ratio Lower Upper
84 100
86 65.2 43.9 81.5
49 127.9 86.1 159.9

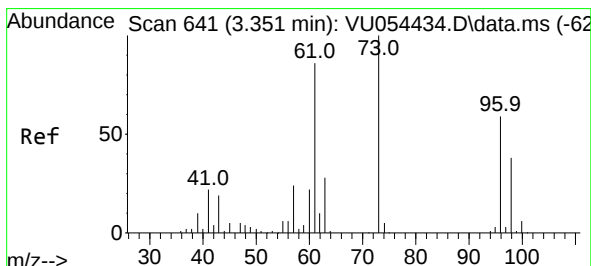
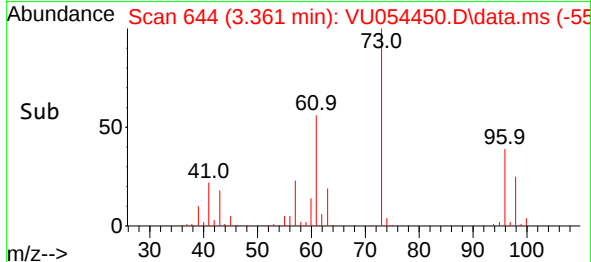
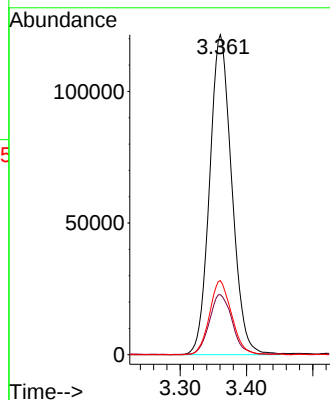
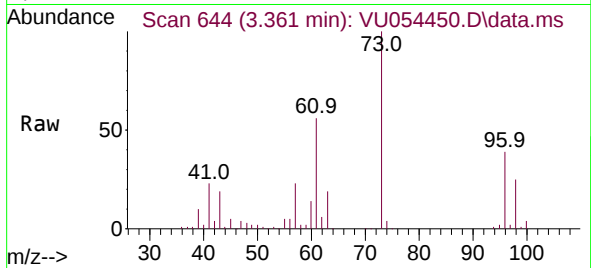




#17
Methyl tert-butyl Ether
Concen: 5.075 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

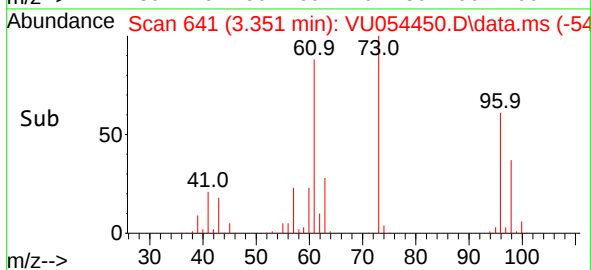
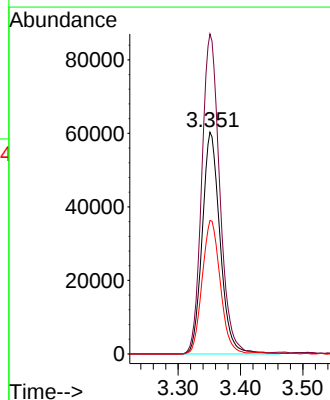
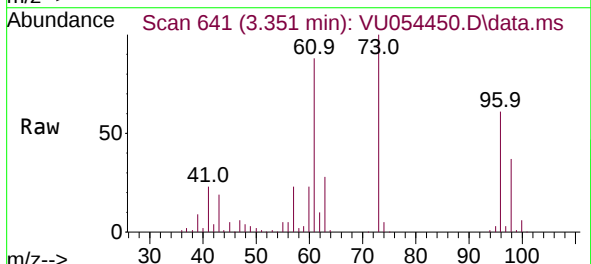
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

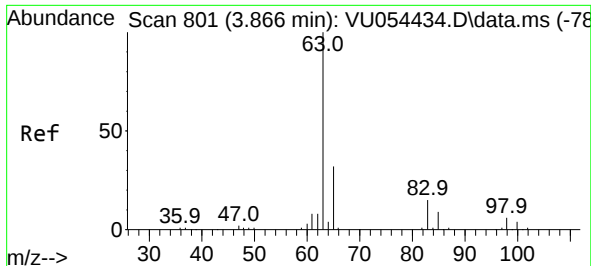
Tgt Ion: 73 Resp: 281975
Ion Ratio Lower Upper
73 100
43 19.6 15.7 23.5
57 23.1 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.159 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 96 Resp: 119895
Ion Ratio Lower Upper
96 100
61 144.3 104.6 194.2
98 60.2 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.151 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005177

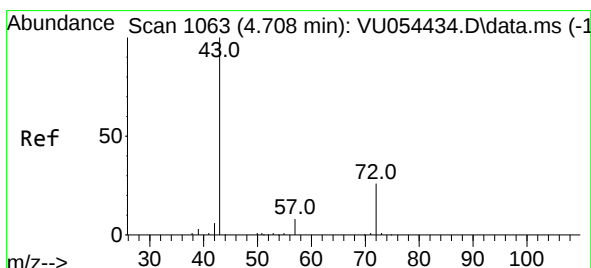
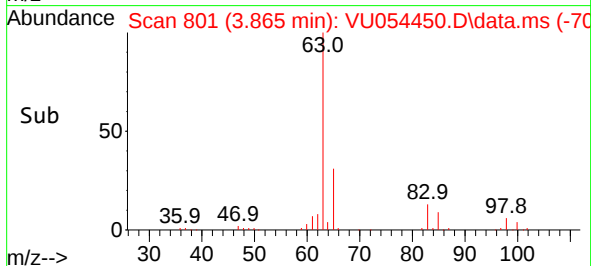
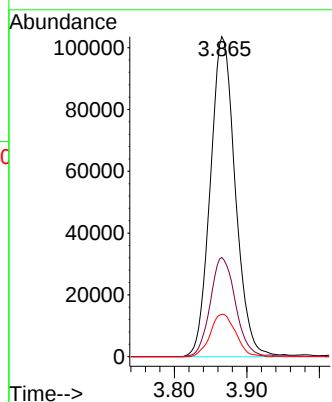
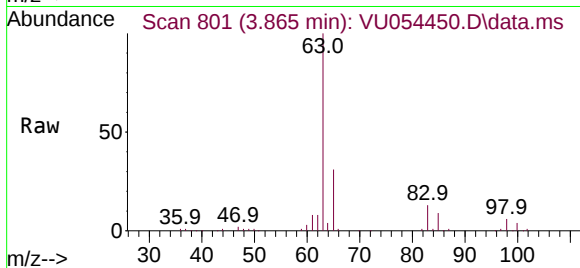
Tgt Ion: 63 Resp: 247741

Ion Ratio Lower Upper

63 100

65 31.0 22.2 41.2

83 13.3 9.0 16.6



#21

2-Butanone

Concen: 52.103 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.003 min

Lab File: VU054450.D

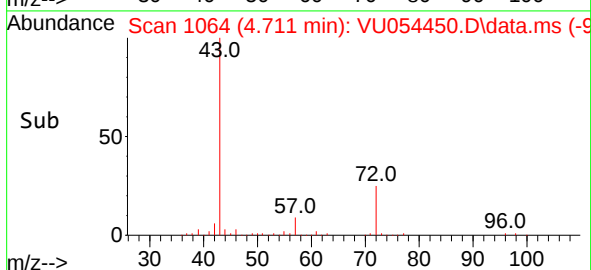
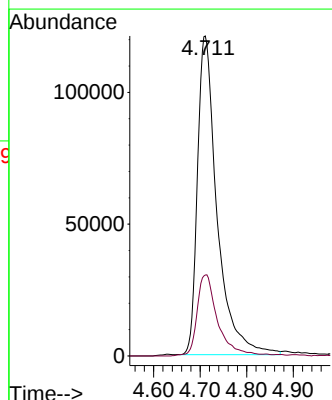
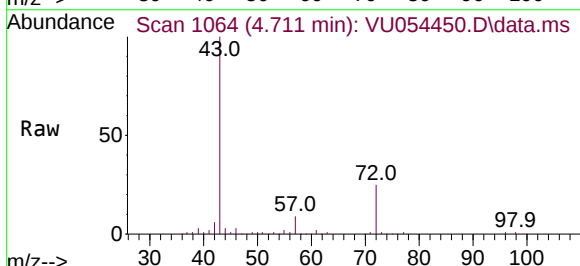
Acq: 09 Jun 2023 09:36

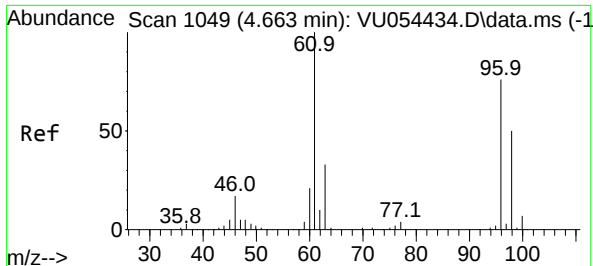
Tgt Ion: 43 Resp: 354056

Ion Ratio Lower Upper

43 100

72 26.6 13.4 40.1

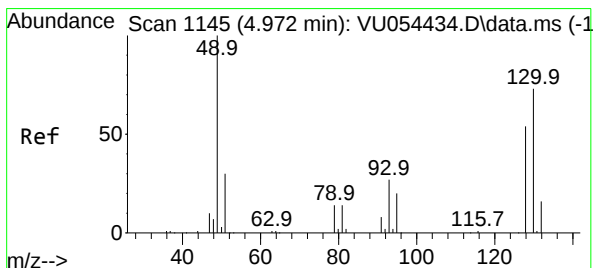
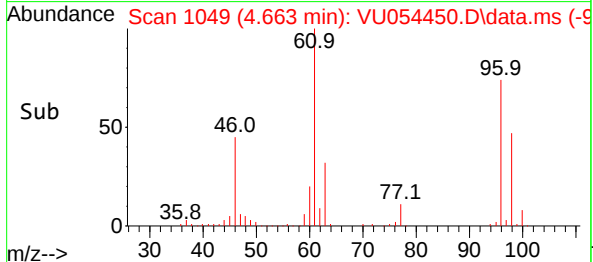
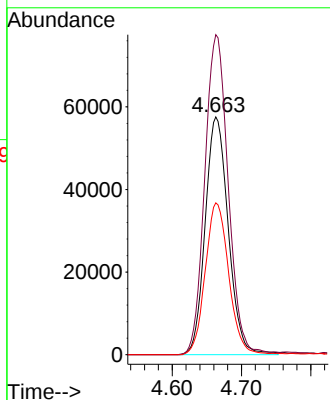
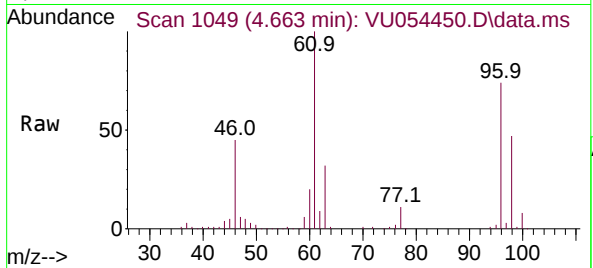




#22
 cis-1,2-Dichloroethene
 Concen: 5.047 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

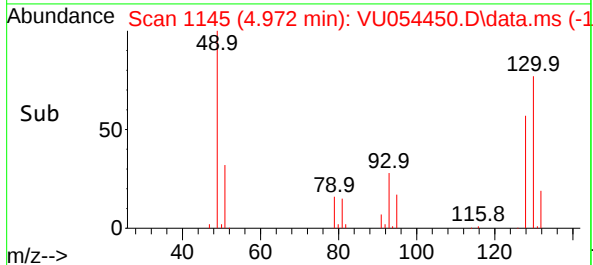
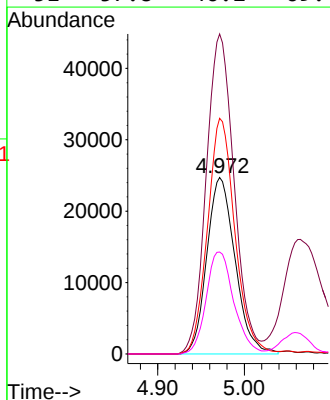
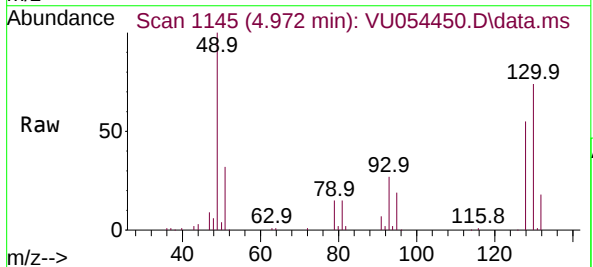
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005177

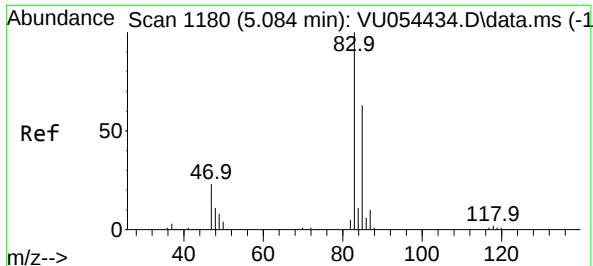
Tgt Ion: 96 Resp: 133574
 Ion Ratio Lower Upper
 96 100
 61 134.6 96.5 179.1
 98 63.9 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.093 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

Tgt Ion:128 Resp: 56087
 Ion Ratio Lower Upper
 128 100
 49 181.4 132.1 245.3
 130 133.6 91.5 169.9
 51 57.8 46.2 69.4





#25

Chloroform

Concen: 5.157 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

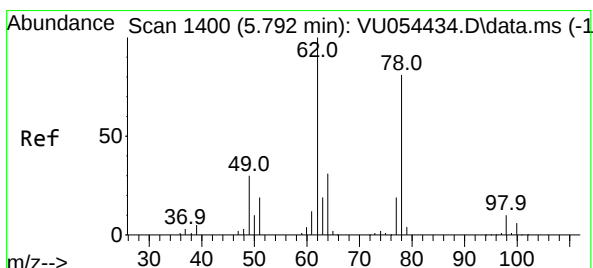
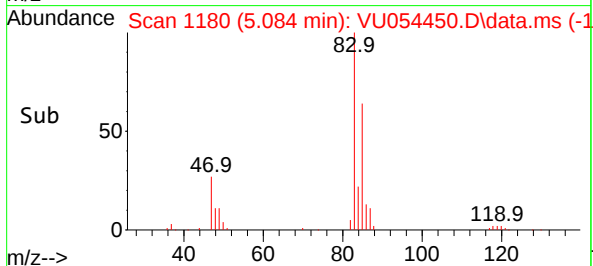
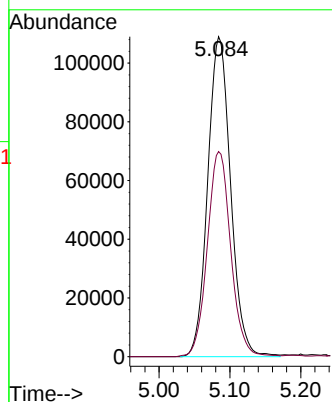
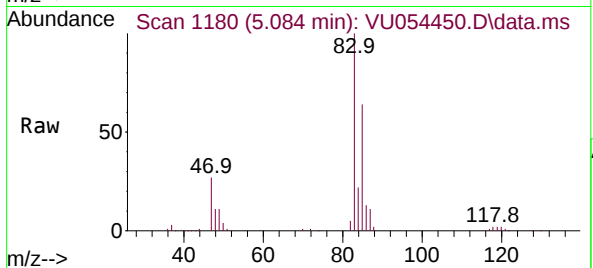
VSTD005177

Tgt Ion: 83 Resp: 244531

Ion Ratio Lower Upper

83 100

85 64.1 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.082 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU054450.D

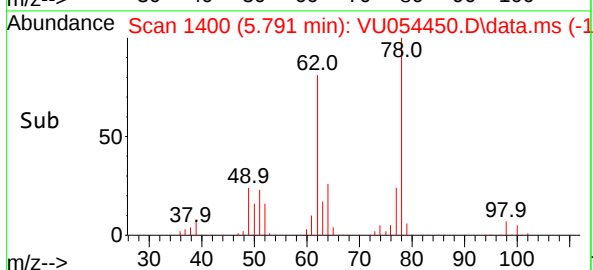
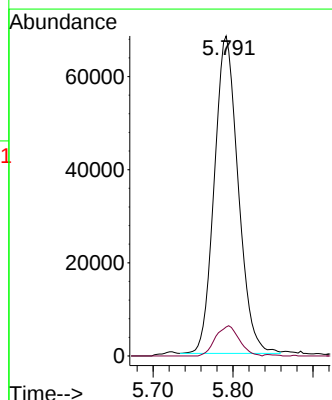
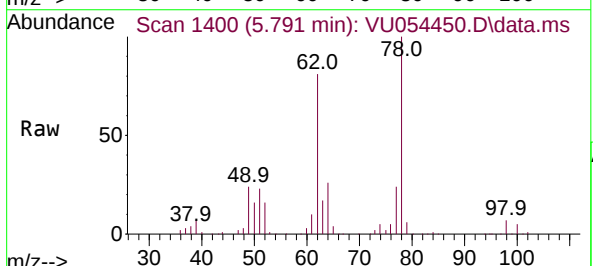
Acq: 09 Jun 2023 09:36

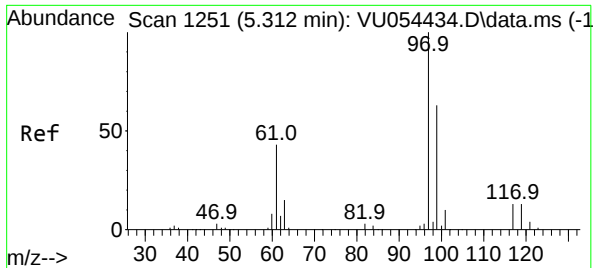
Tgt Ion: 62 Resp: 141241

Ion Ratio Lower Upper

62 100

98 9.1 7.8 11.6



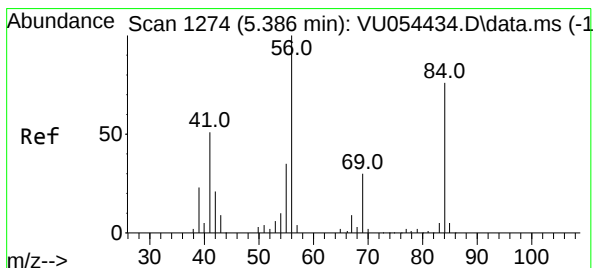
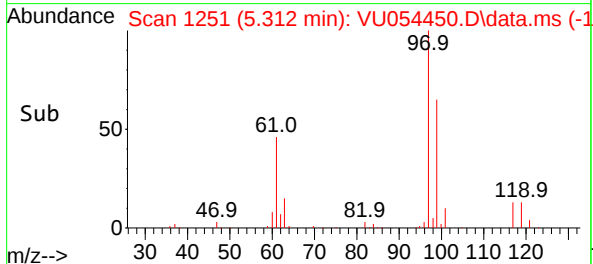
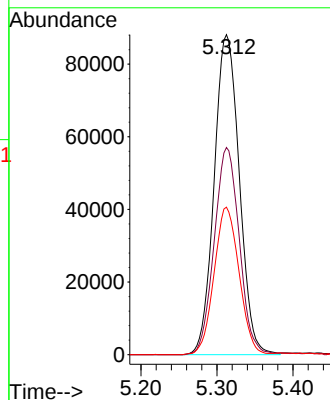
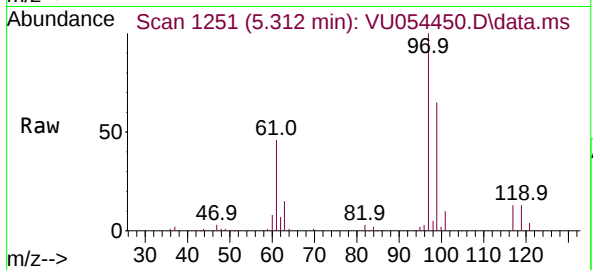


#29
1,1,1-Trichloroethane
Concen: 5.233 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

Tgt Ion: 97 Resp: 202707

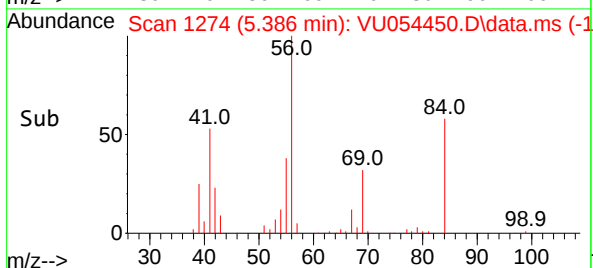
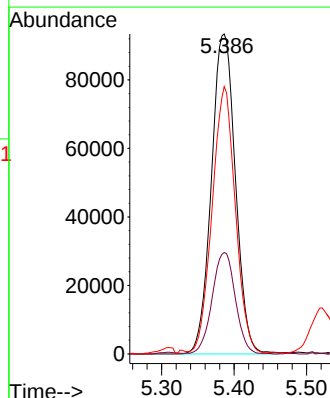
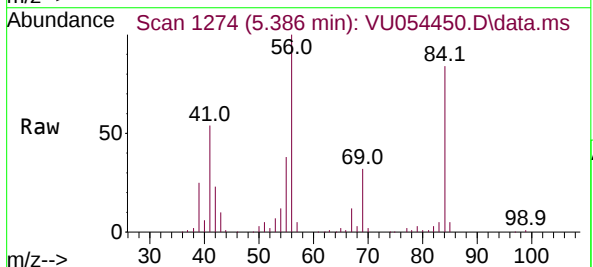
Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	45.9	36.1	54.1

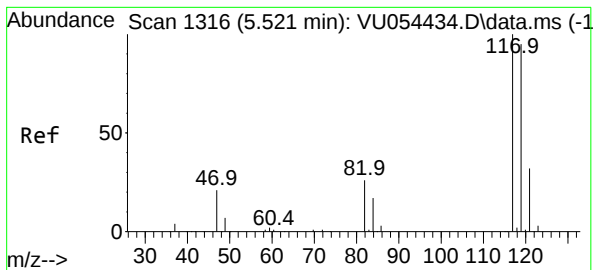


#30
Cyclohexane
Concen: 5.103 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 56 Resp: 215305

Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.9	35.9
84	80.1	63.0	94.6

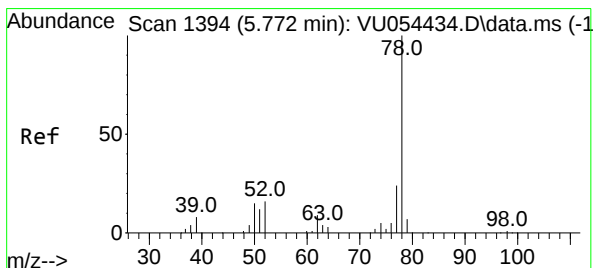
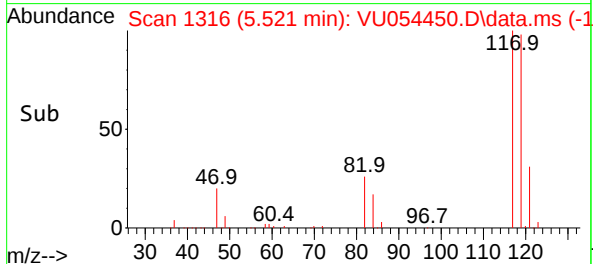
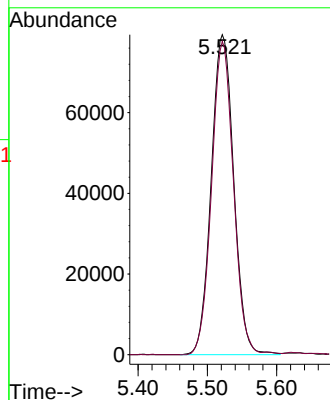
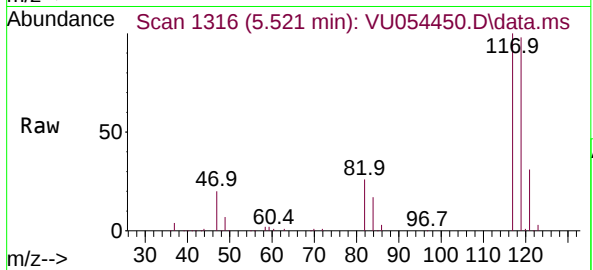




#31
Carbon tetrachloride
Concen: 5.362 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

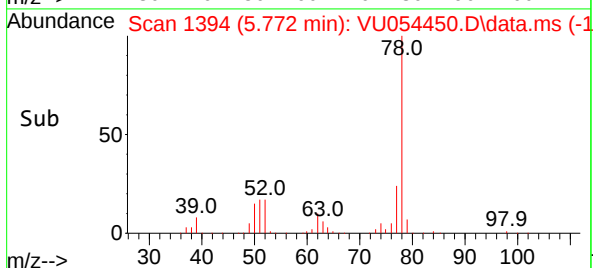
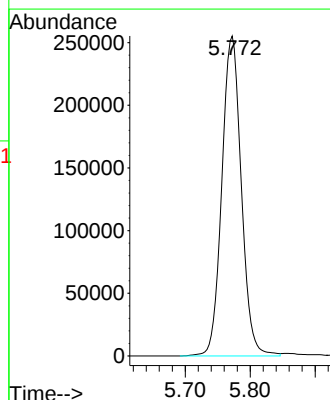
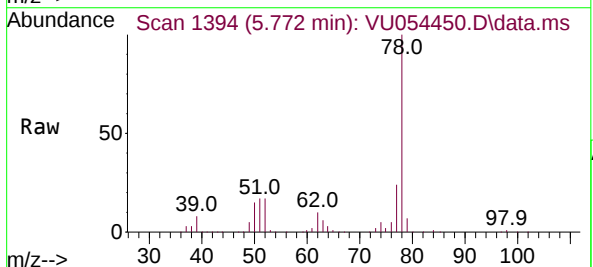
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

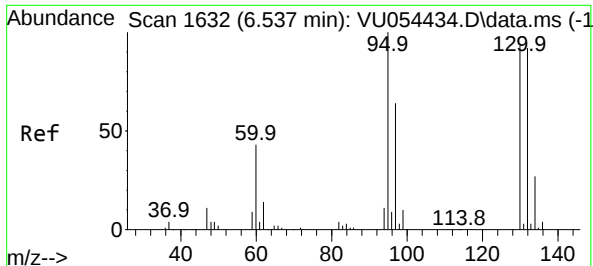
Tgt Ion:117 Resp: 178961
Ion Ratio Lower Upper
117 100
119 94.6 76.8 115.2



#33
Benzene
Concen: 5.162 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 78 Resp: 529938

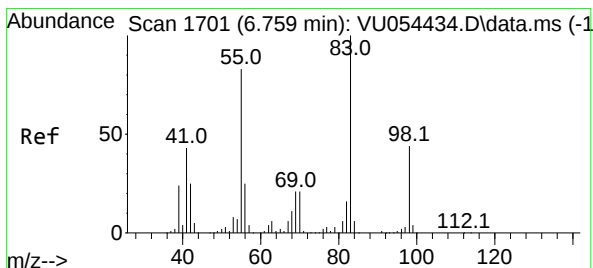
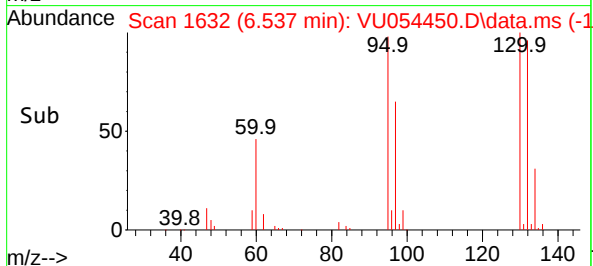
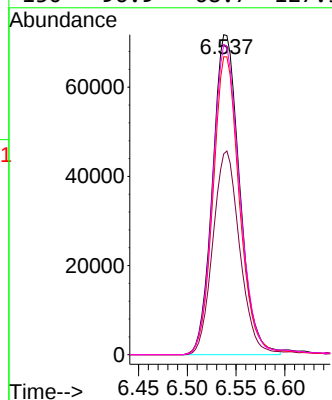
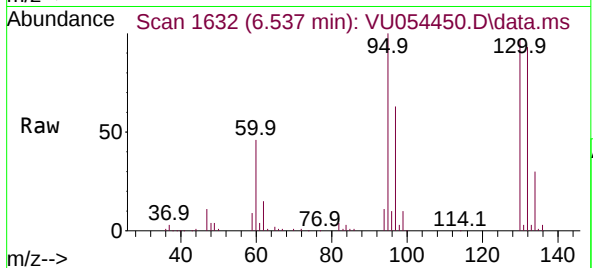




#34
Trichloroethene
Concen: 5.099 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

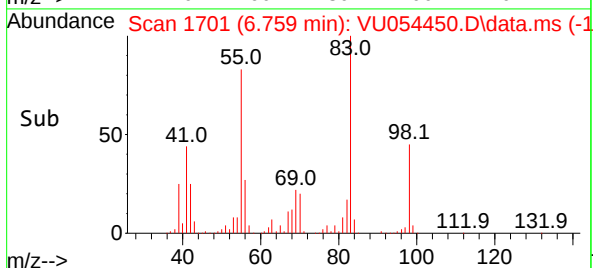
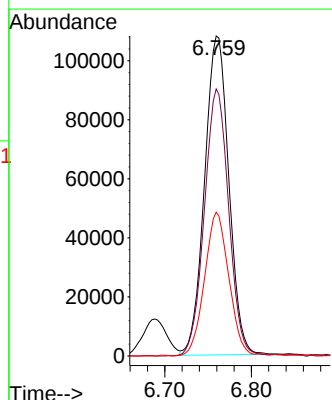
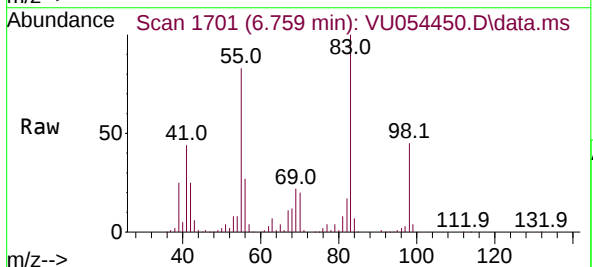
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

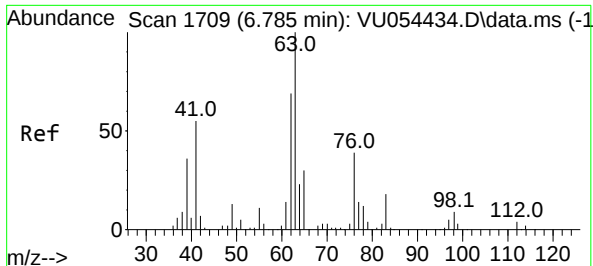
Tgt Ion: 95 Resp: 138439
Ion Ratio Lower Upper
95 100
97 62.8 46.8 87.0
132 93.1 68.4 127.0
130 96.9 68.7 127.5



#35
Methylcyclohexane
Concen: 5.125 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 83 Resp: 210315
Ion Ratio Lower Upper
83 100
55 84.2 67.1 100.7
98 45.0 35.1 52.7

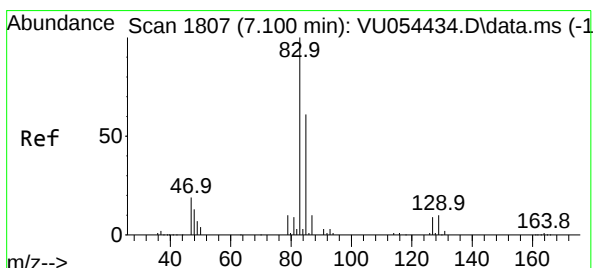
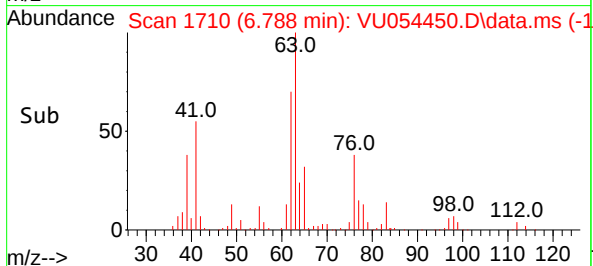
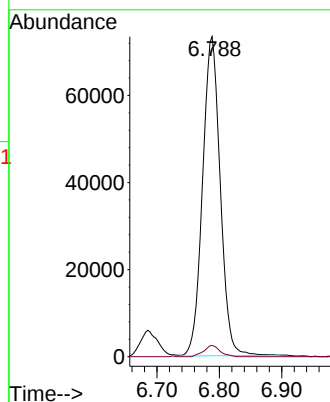
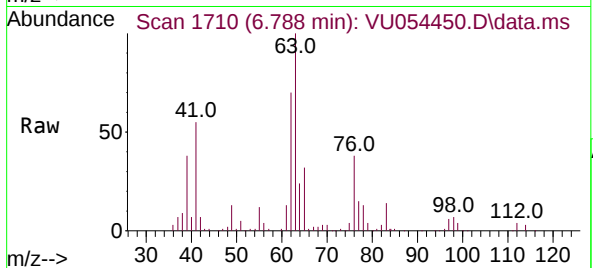




#37
1,2-Dichloropropane
Concen: 5.209 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

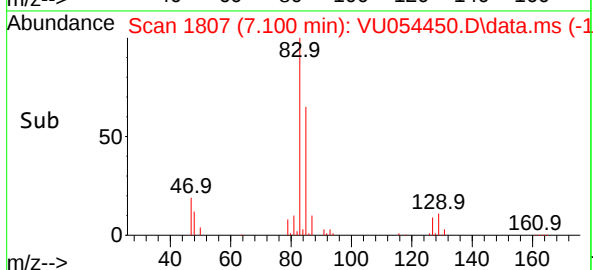
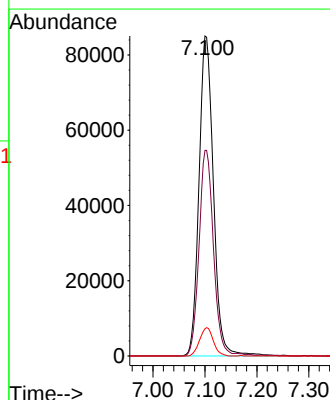
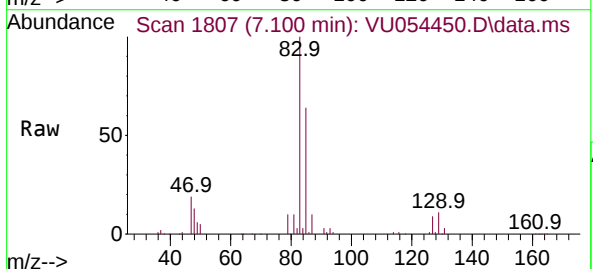
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

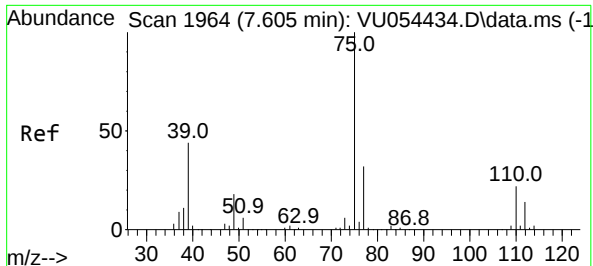
Tgt Ion: 63 Resp: 144603
Ion Ratio Lower Upper
63 100
112 3.2 3.0 4.6



#38
Bromodichloromethane
Concen: 5.216 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 83 Resp: 163905
Ion Ratio Lower Upper
83 100
85 64.3 44.1 81.9
127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.255 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.003 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

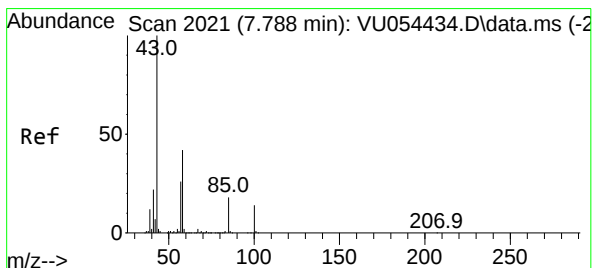
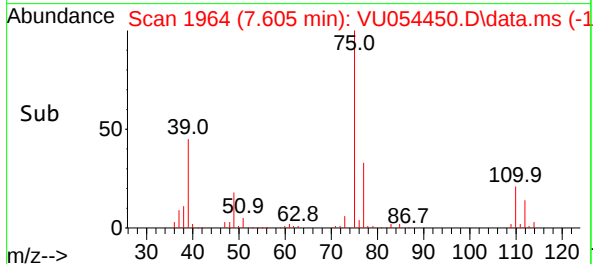
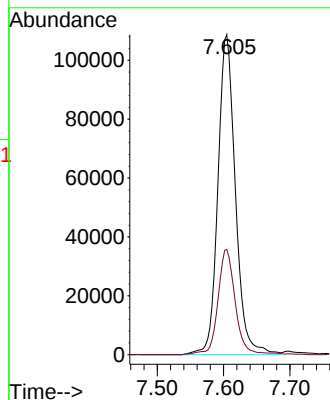
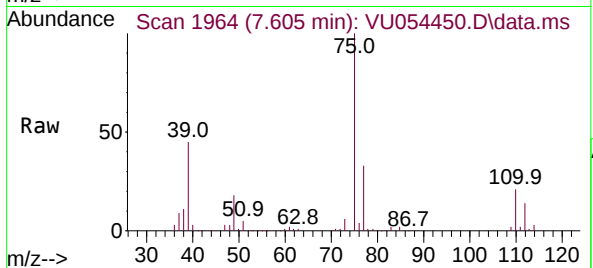
VSTD005177

Tgt Ion: 75 Resp: 199147

Ion Ratio Lower Upper

75 100

77 32.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 51.001 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

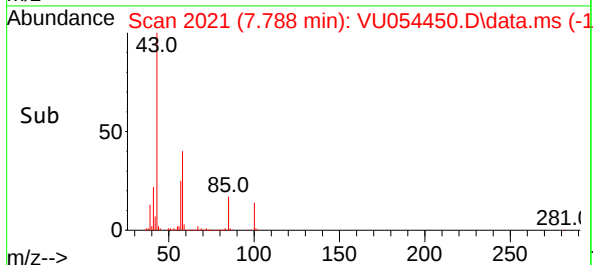
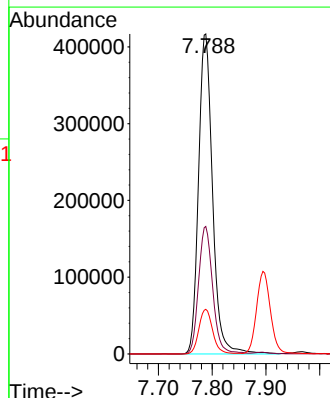
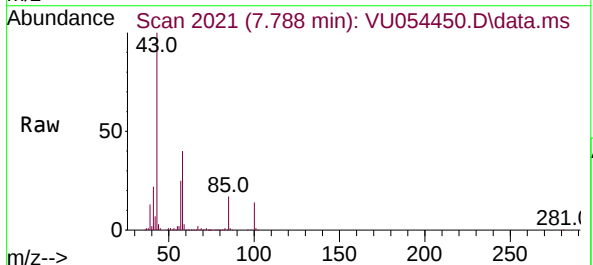
Tgt Ion: 43 Resp: 755519

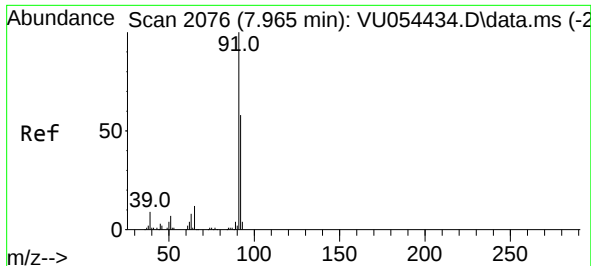
Ion Ratio Lower Upper

43 100

58 40.2 32.4 48.6

100 13.8 11.4 17.2





#42

Toluene

Concen: 5.315 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

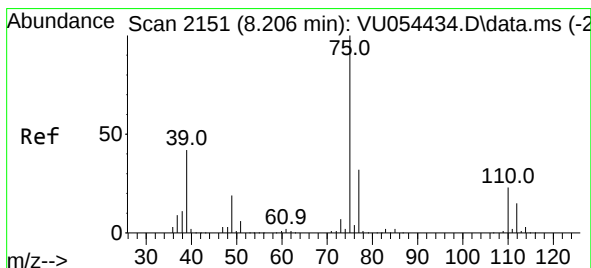
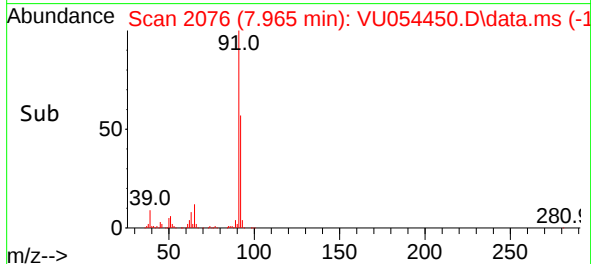
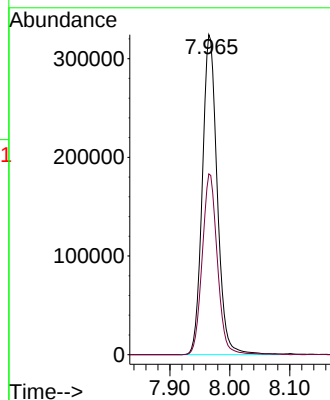
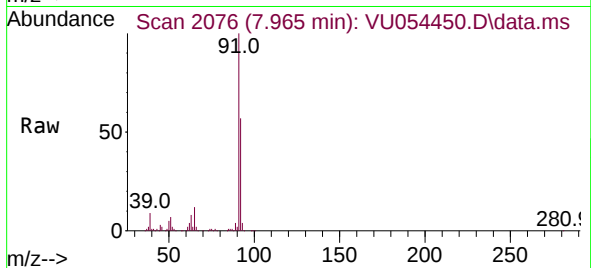
VSTD005177

Tgt Ion: 91 Resp: 561913

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.181 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054450.D

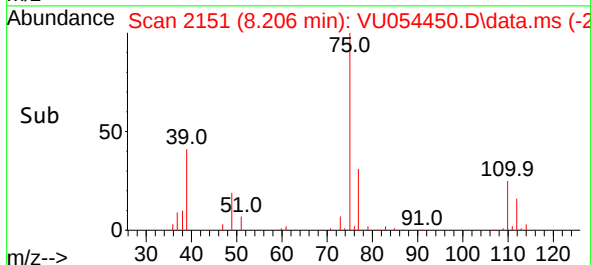
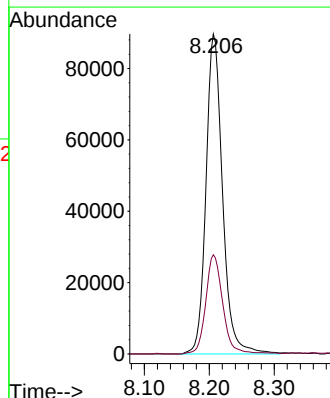
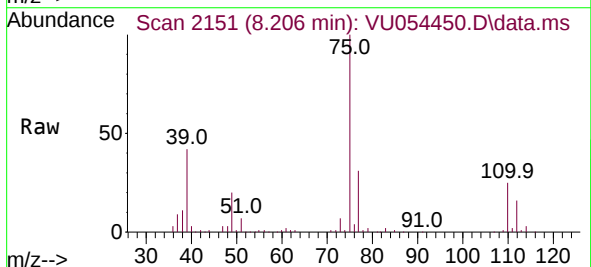
Acq: 09 Jun 2023 09:36

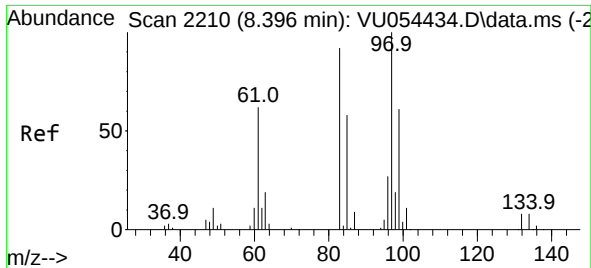
Tgt Ion: 75 Resp: 159364

Ion Ratio Lower Upper

75 100

77 31.0 21.3 39.6



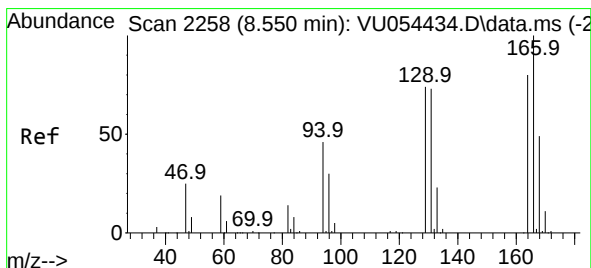
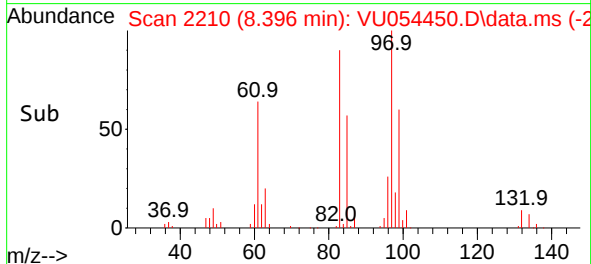
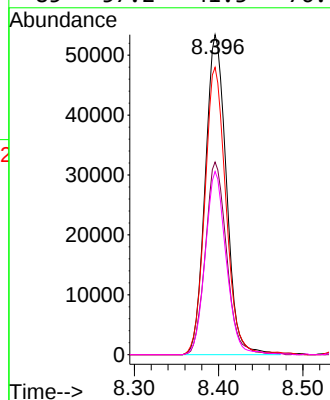
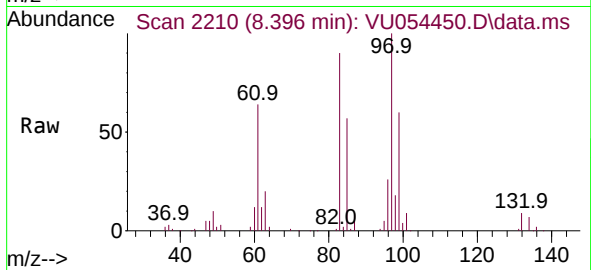


#45
1,1,2-Trichloroethane
Concen: 5.271 ug/L
RT: 8.396 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

Tgt Ion: 97 Resp: 93089

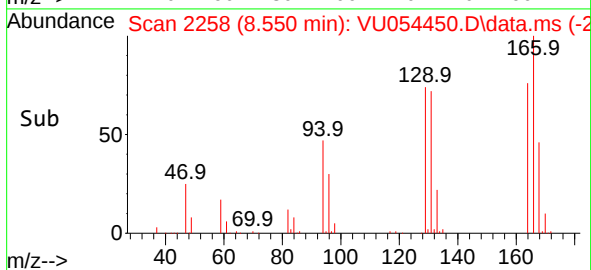
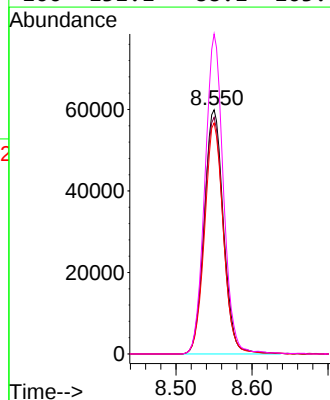
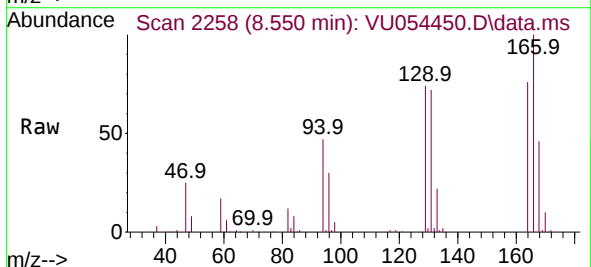
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.0	80.0
83	89.8	63.8	118.6
85	57.2	41.3	76.7

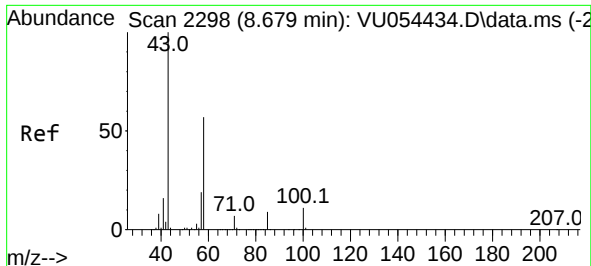


#47
Tetrachloroethene
Concen: 5.064 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 164 Resp: 105227

Ion	Ratio	Lower	Upper
164	100		
129	96.9	67.7	125.7
131	94.6	64.6	120.0
166	131.1	88.1	163.7

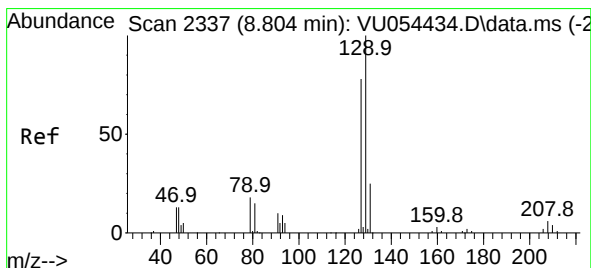
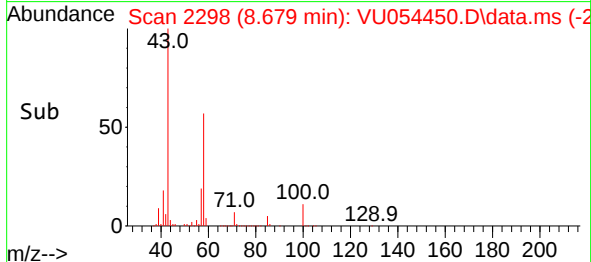
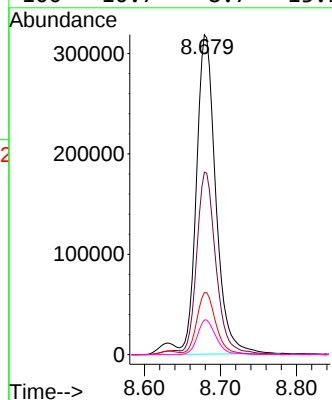
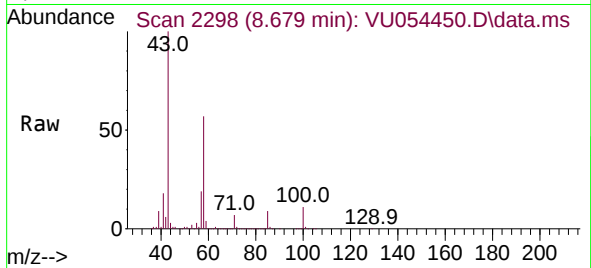




#48
2-Hexanone
Concen: 50.612 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

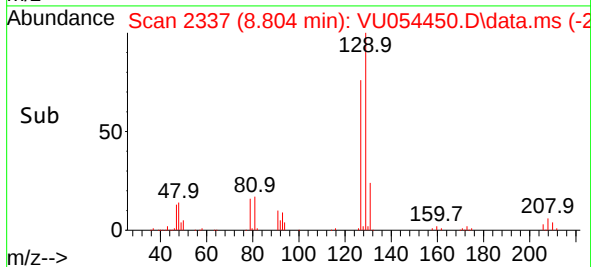
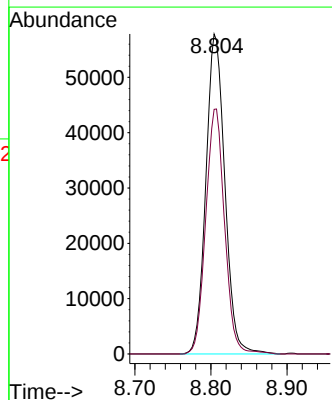
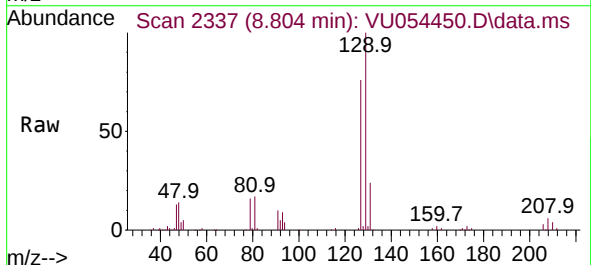
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

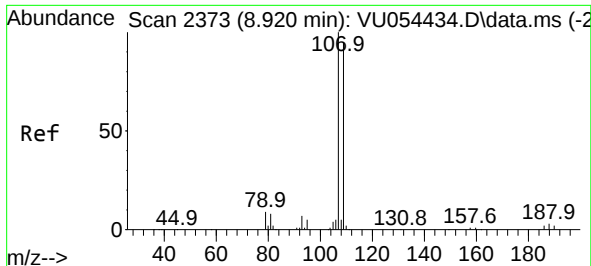
Tgt Ion: 43 Resp: 558649
Ion Ratio Lower Upper
43 100
58 56.8 45.2 67.8
57 19.2 15.8 23.6
100 10.7 8.7 13.1



#49
Dibromochloromethane
Concen: 5.405 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 129 Resp: 100220
Ion Ratio Lower Upper
129 100
127 76.4 53.2 98.8





#50

1,2-Dibromoethane

Concen: 5.237 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005177

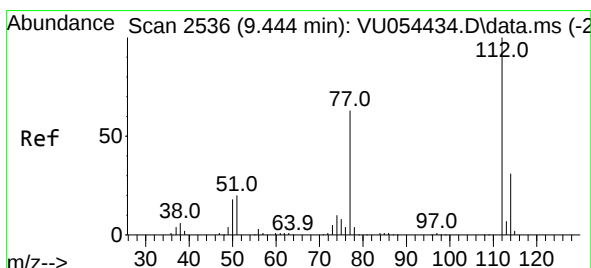
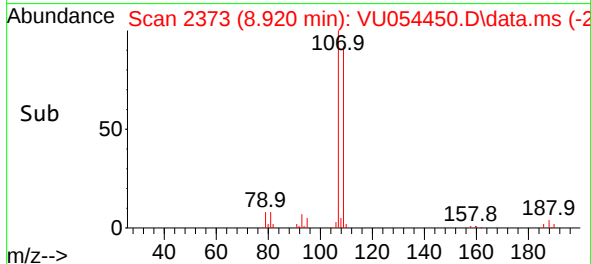
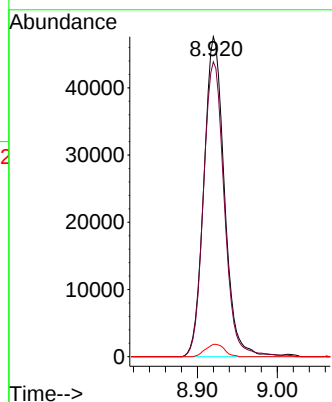
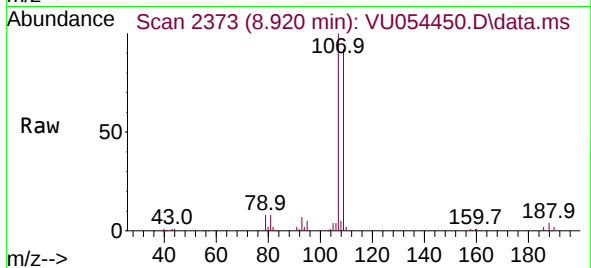
Tgt Ion:107 Resp: 84899

Ion Ratio Lower Upper

107 100

109 92.1 66.6 123.6

188 3.8 3.1 4.7



#51

Chlorobenzene

Concen: 5.176 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

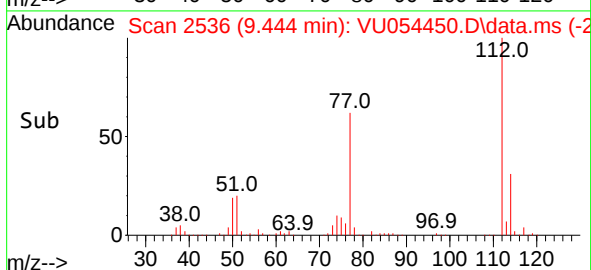
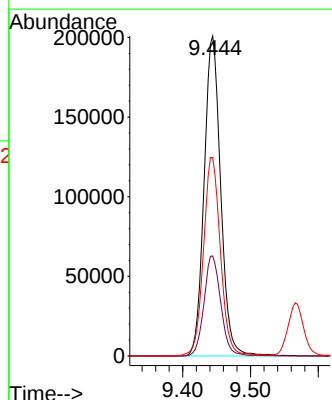
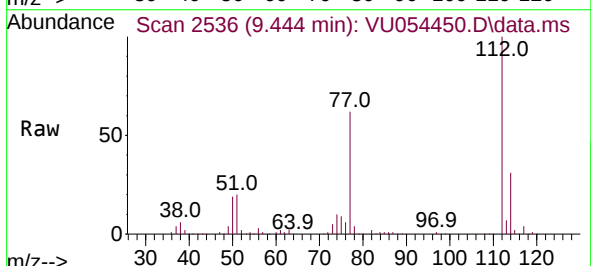
Tgt Ion:112 Resp: 341120

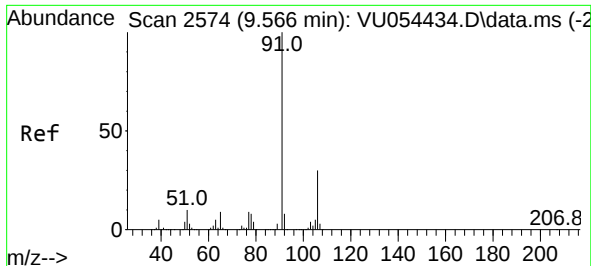
Ion Ratio Lower Upper

112 100

114 31.2 22.7 42.1

77 62.0 49.8 74.8

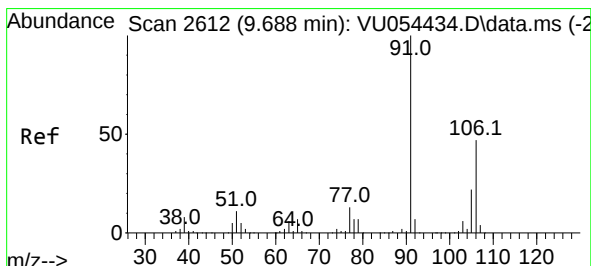
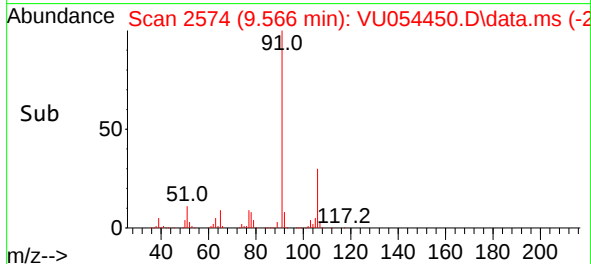
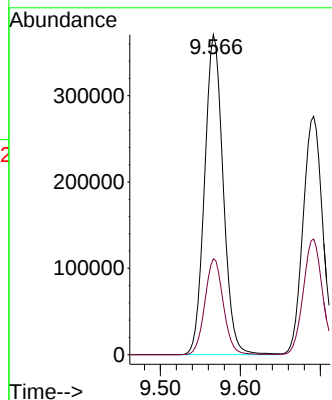
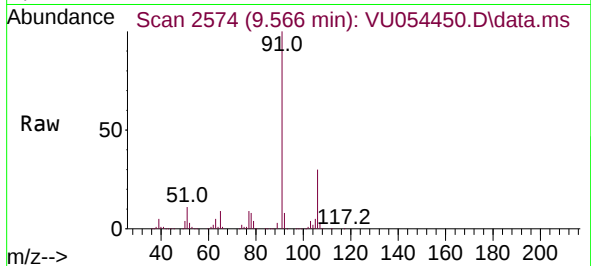




#52
Ethylbenzene
Concen: 5.193 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

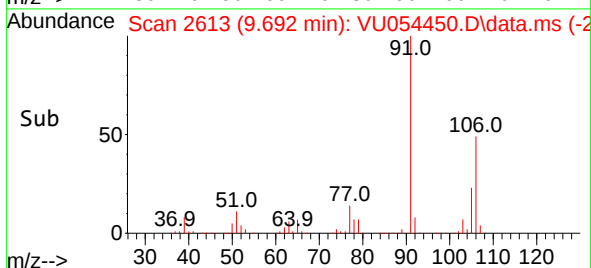
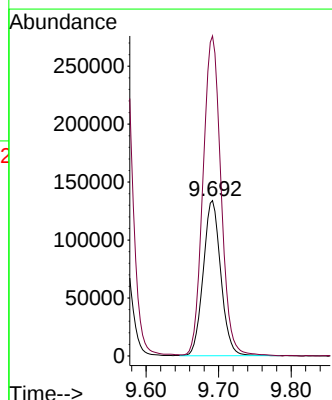
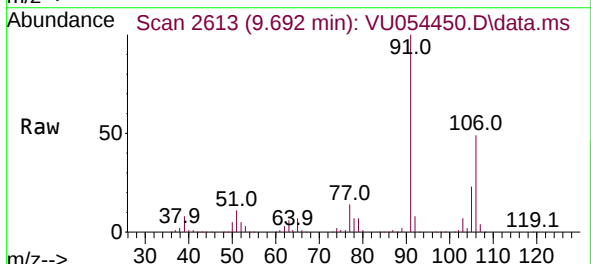
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

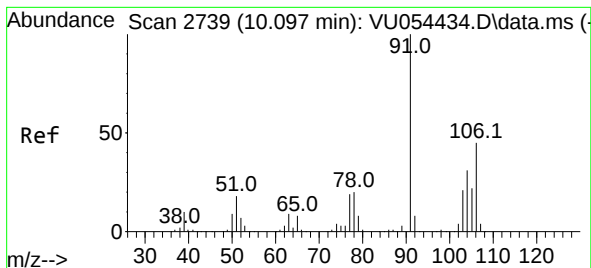
Tgt Ion: 91 Resp: 599616
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.3



#53
m,p-Xylene
Concen: 5.314 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 106 Resp: 225416
Ion Ratio Lower Upper
106 100
91 206.0 147.0 273.0





#54

o-Xylene

Concen: 5.266 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

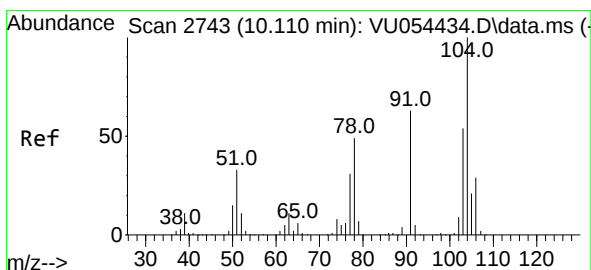
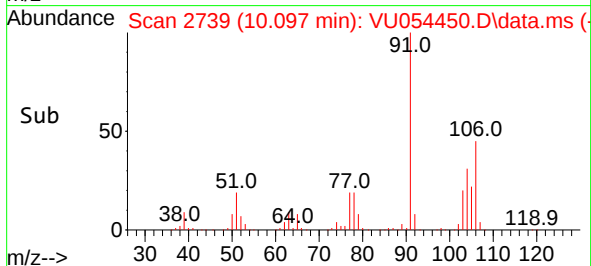
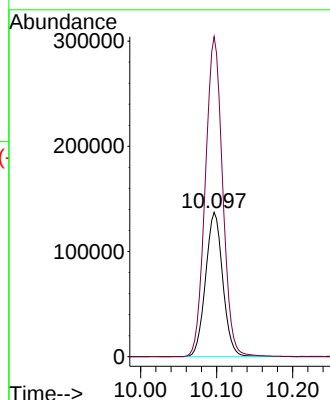
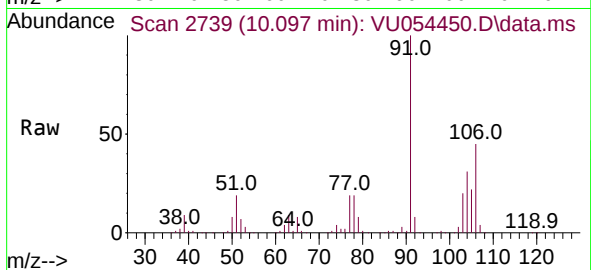
VSTD005177

Tgt Ion:106 Resp: 216025

Ion Ratio Lower Upper

106 100

91 221.7 154.5 286.9



#55

Styrene

Concen: 5.378 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU054450.D

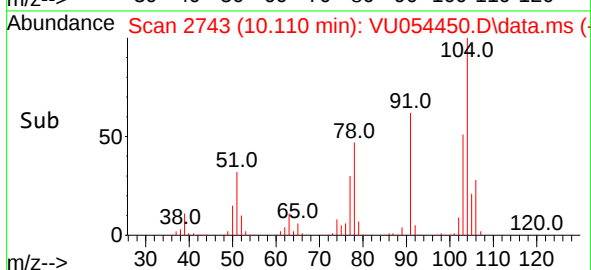
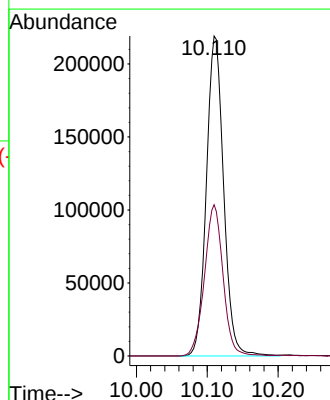
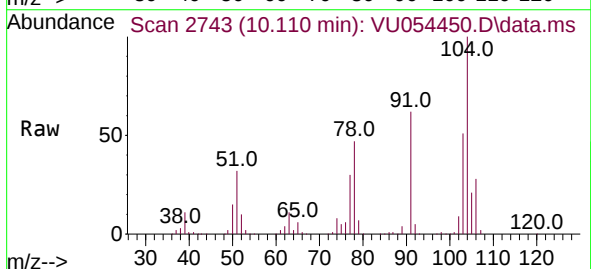
Acq: 09 Jun 2023 09:36

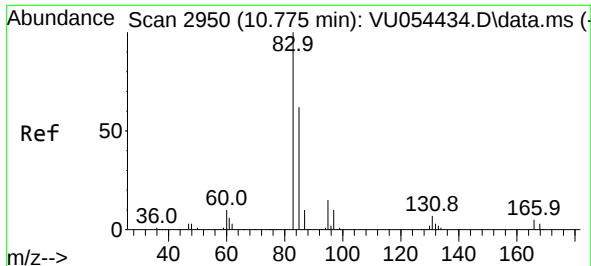
Tgt Ion:104 Resp: 370304

Ion Ratio Lower Upper

104 100

78 47.2 33.0 61.4

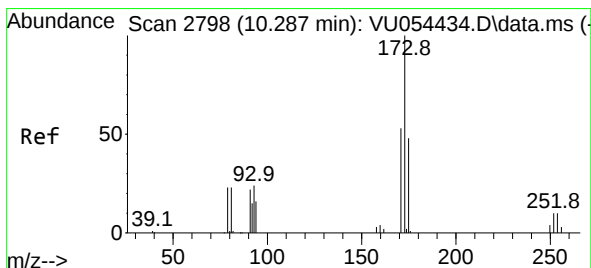
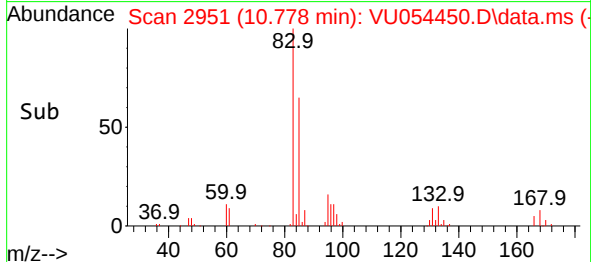
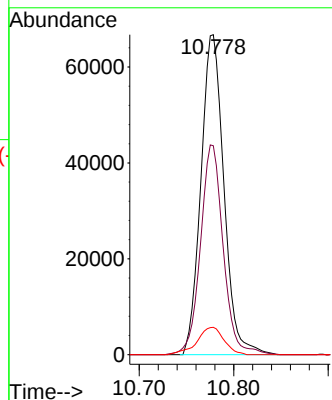
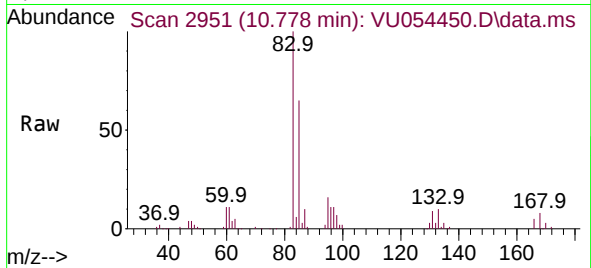




#57
1,1,2,2-Tetrachloroethane
Concen: 5.033 ug/L
RT: 10.778 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

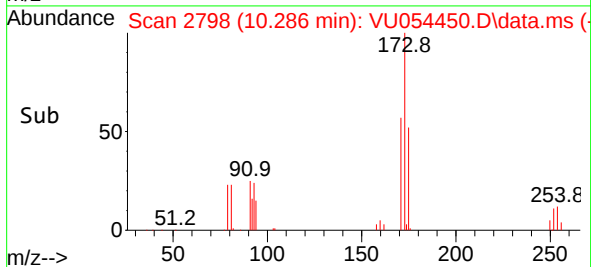
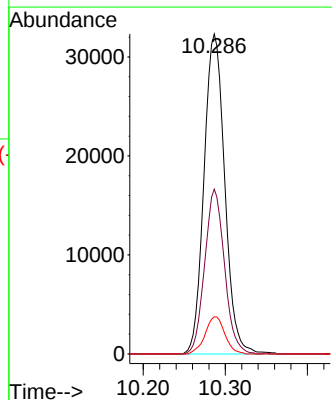
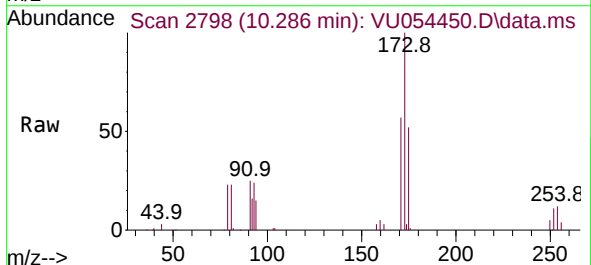
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

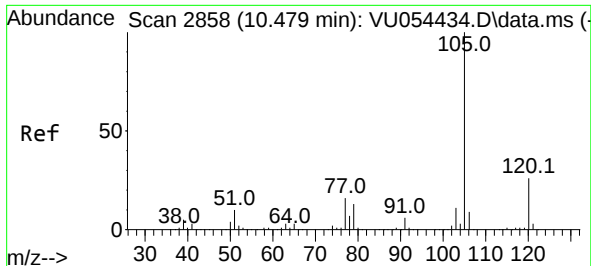
Tgt Ion: 83 Resp: 112898
Ion Ratio Lower Upper
83 100
85 65.3 44.2 82.2
131 8.5 7.0 10.6



#59
Bromoform
Concen: 5.258 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion:173 Resp: 56791
Ion Ratio Lower Upper
173 100
175 49.1 39.4 59.0
254 11.1 8.6 12.8

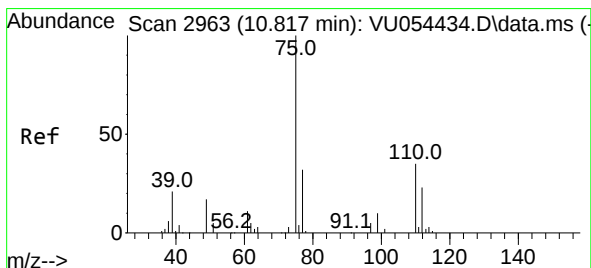
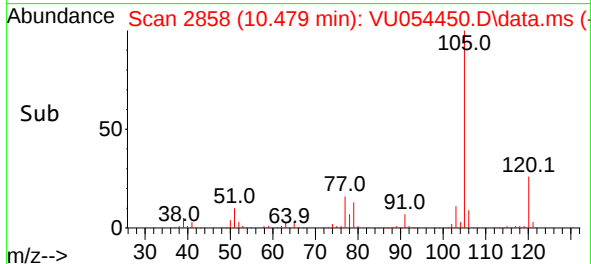
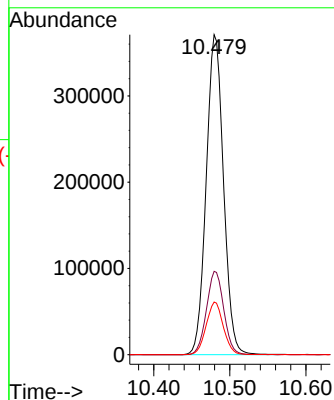
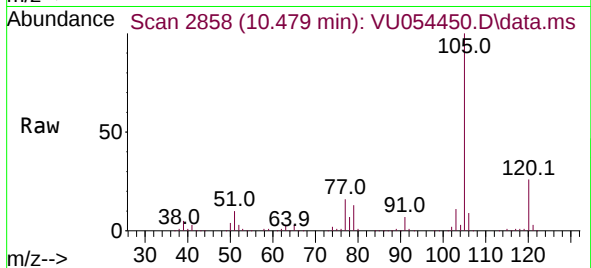




#60
Isopropylbenzene
Concen: 5.332 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

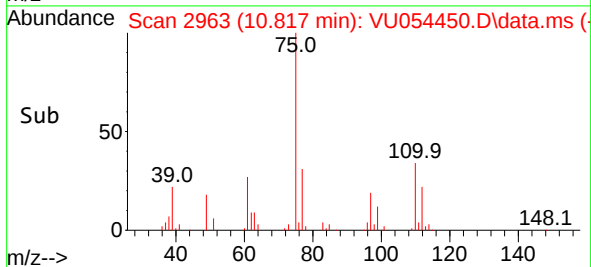
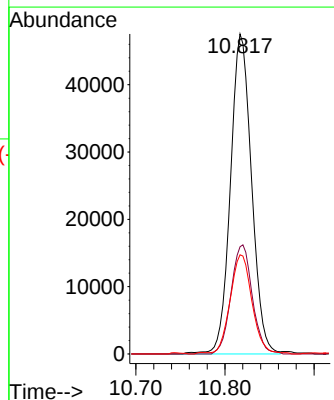
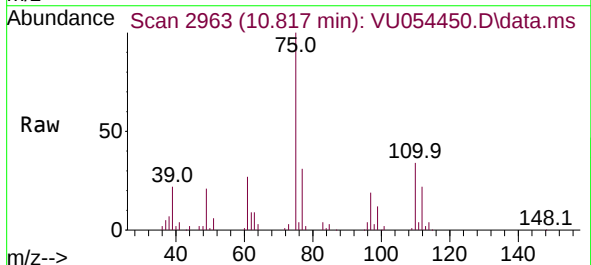
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

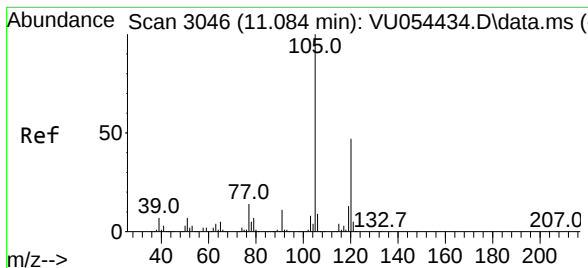
Tgt Ion:105 Resp: 586767
Ion Ratio Lower Upper
105 100
120 26.1 20.9 31.3
77 16.4 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.140 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion: 75 Resp: 78142
Ion Ratio Lower Upper
75 100
110 34.4 28.0 42.0
77 32.1 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 5.281 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

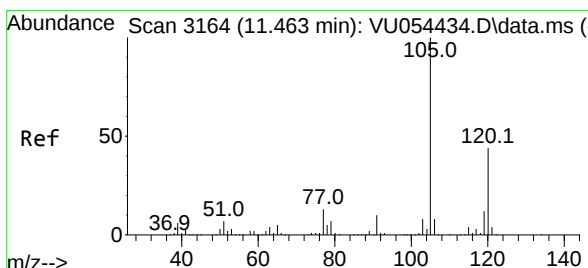
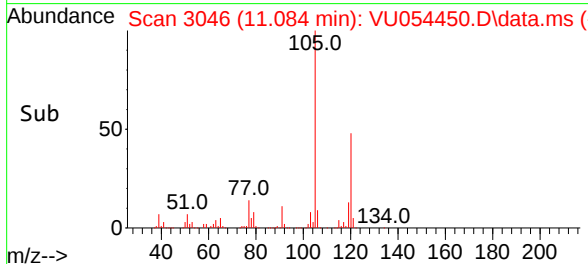
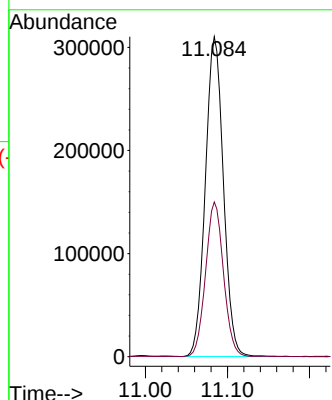
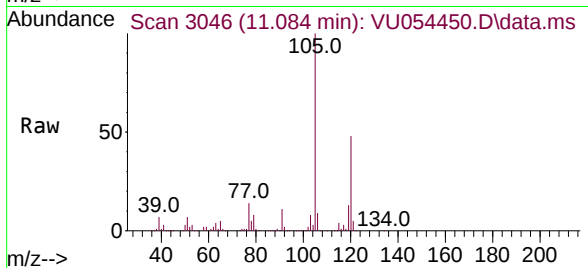
VSTD005177

Tgt Ion:105 Resp: 474214

Ion Ratio Lower Upper

105 100

120 47.9 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 5.253 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU054450.D

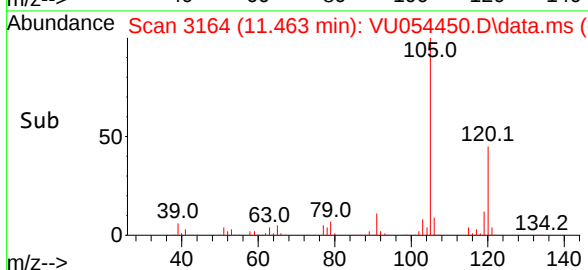
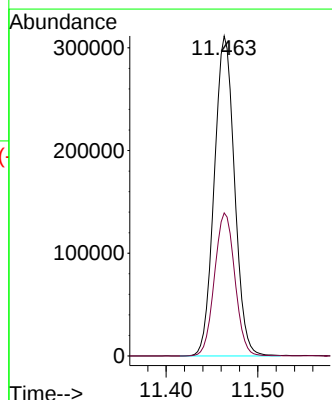
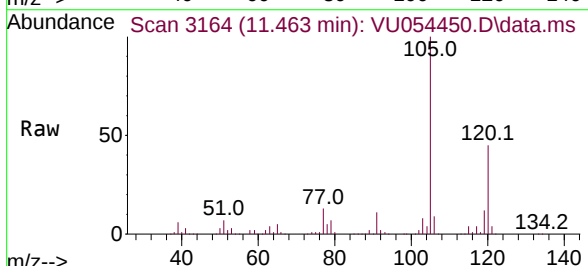
Acq: 09 Jun 2023 09:36

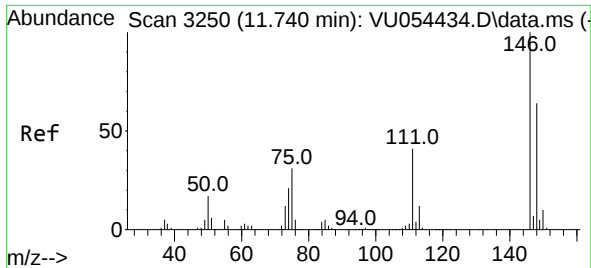
Tgt Ion:105 Resp: 479027

Ion Ratio Lower Upper

105 100

120 44.9 35.4 53.0

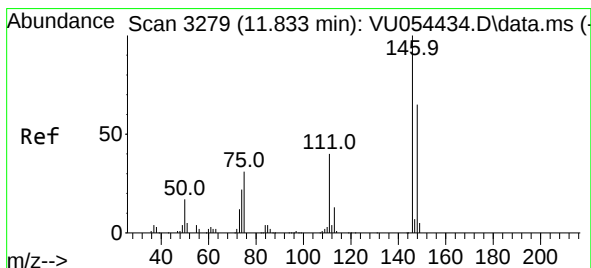
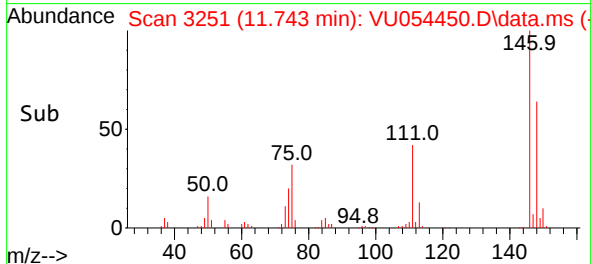
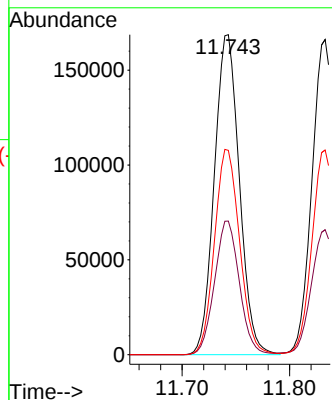
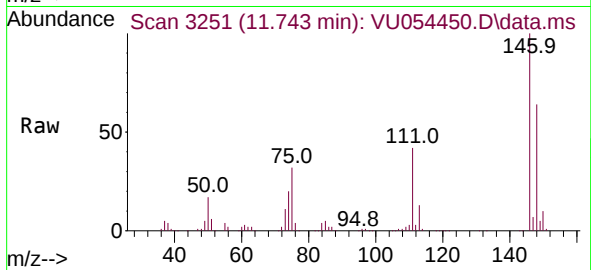




#64
1,3-Dichlorobenzene
Concen: 5.315 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

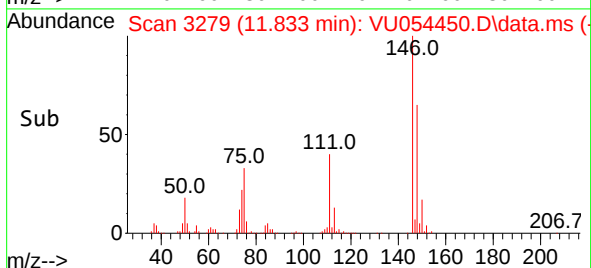
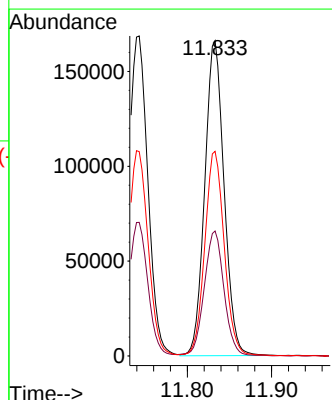
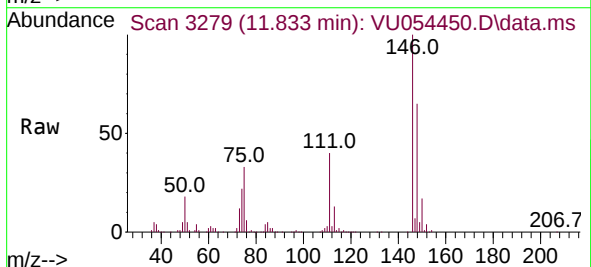
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

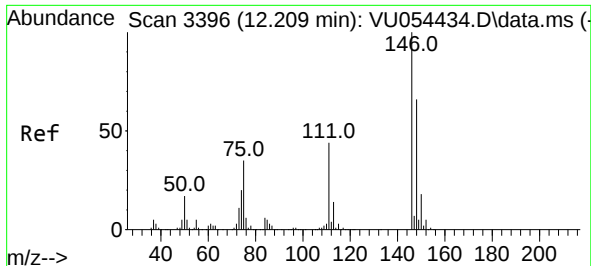
Tgt Ion:146 Resp: 273435
Ion Ratio Lower Upper
146 100
111 41.7 28.9 53.7
148 63.8 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.139 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU054450.D
Acq: 09 Jun 2023 09:36

Tgt Ion:146 Resp: 265299
Ion Ratio Lower Upper
146 100
111 39.6 28.0 52.0
148 64.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.194 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005177

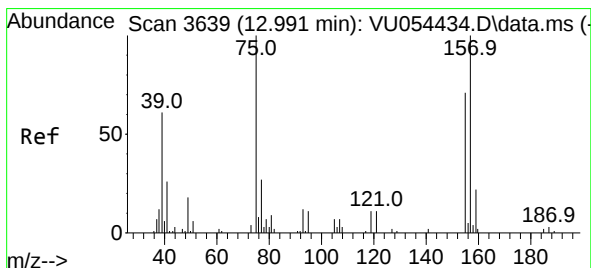
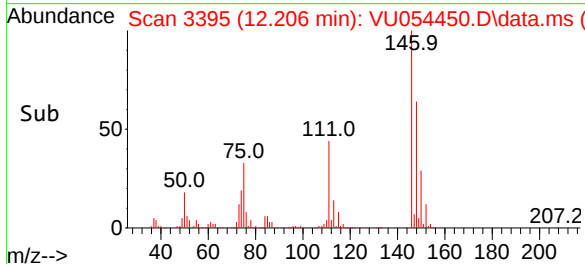
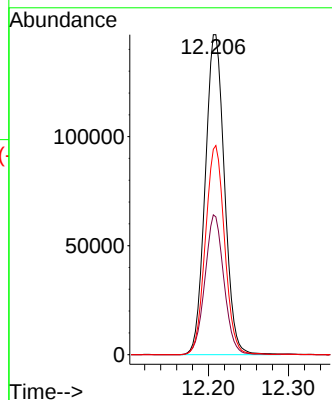
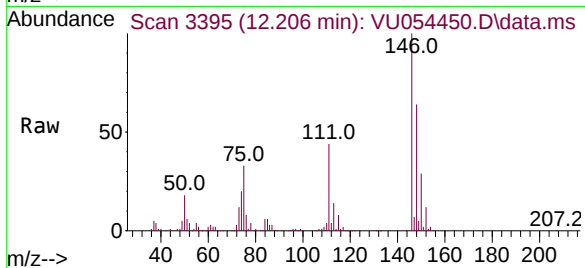
Tgt Ion:146 Resp: 245754

Ion Ratio Lower Upper

146 100

111 43.7 34.5 51.7

148 64.2 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.874 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

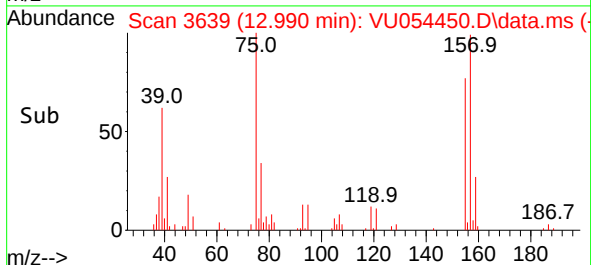
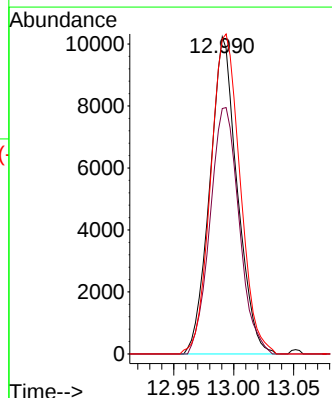
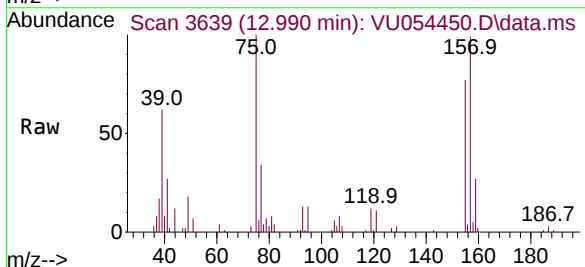
Tgt Ion: 75 Resp: 16283

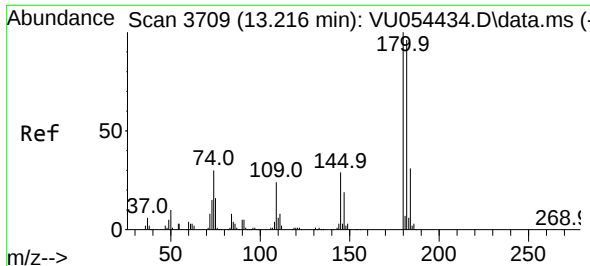
Ion Ratio Lower Upper

75 100

155 77.4 65.7 98.5

157 99.3 84.2 126.2

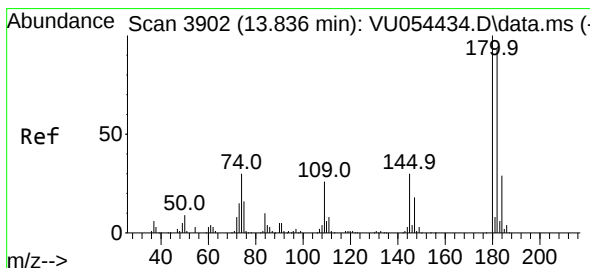
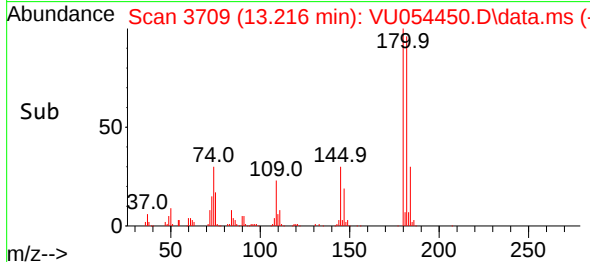
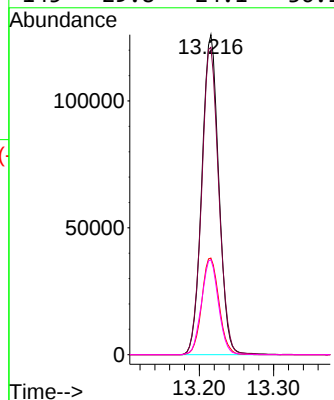
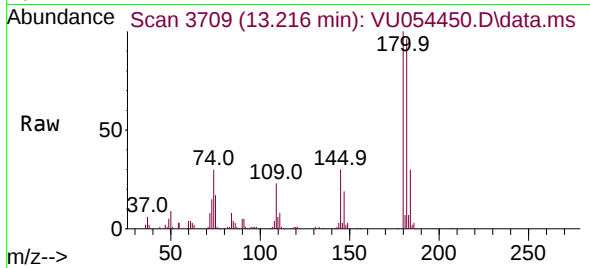




#69
 1,3,5-Trichlorobenzene
 Concen: 5.137 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

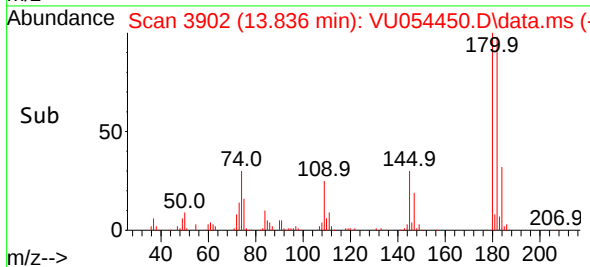
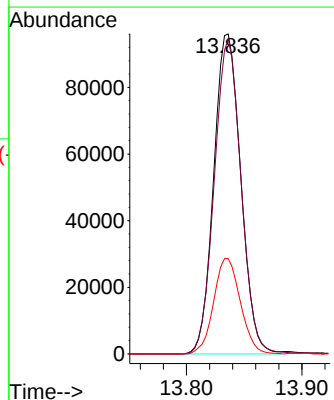
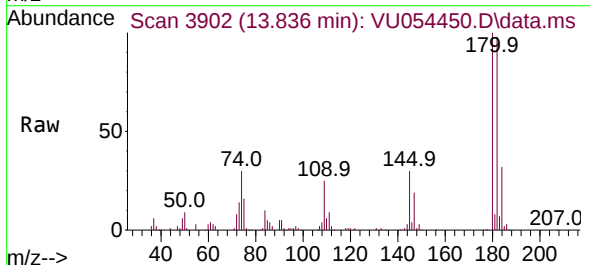
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005177

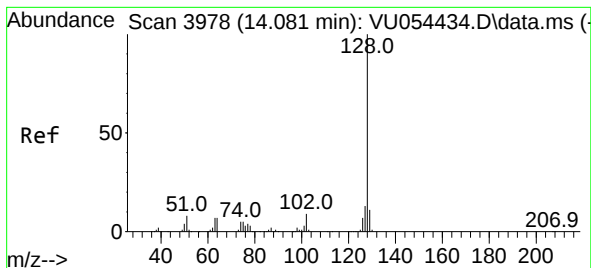
Tgt Ion:	180	Resp:	199401
Ion Ratio	Lower	Upper	
180	100		
182	97.4	75.0	112.6
184	30.7	24.1	36.1
145	29.8	24.1	36.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.858 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU054450.D
 Acq: 09 Jun 2023 09:36

Tgt Ion:	180	Resp:	155923
Ion Ratio	Lower	Upper	
180	100		
182	97.4	76.6	114.8
145	29.5	24.0	36.0





#71

Naphthalene

Concen: 4.479 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005177

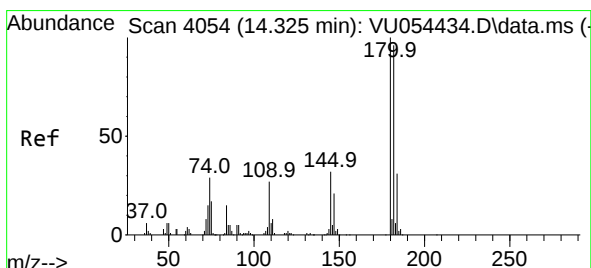
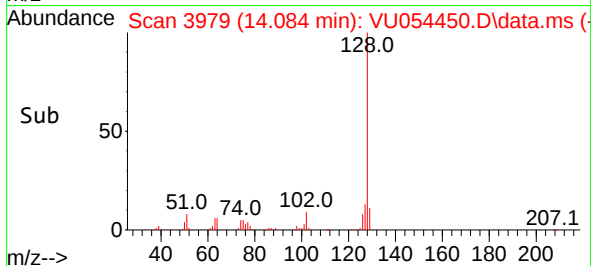
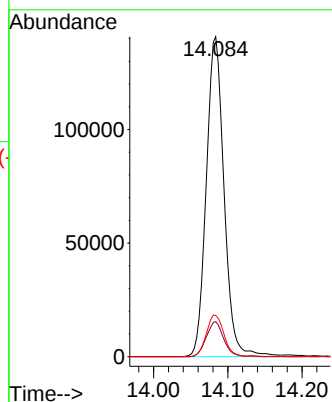
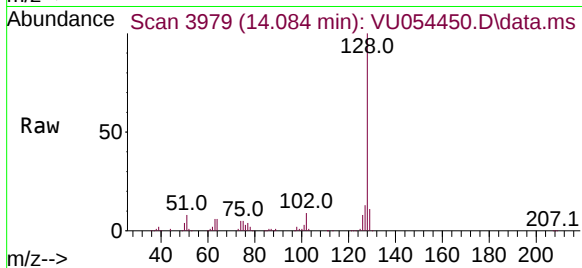
Tgt Ion:128 Resp: 233760

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 12.9 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.882 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054450.D

Acq: 09 Jun 2023 09:36

Tgt Ion:180 Resp: 134624

Ion Ratio Lower Upper

180 100

182 97.0 75.4 113.2

145 31.8 26.0 39.0

