

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061223\
 Data File : VU054480.D
 Acq On : 12 Jun 2023 12:08
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005180

Quant Time: Jun 13 02:21:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 12 00:58:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	303544	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	294751	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	157251	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	104538	5.411	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 108.200%		
7) Chloroethane-d5	1.914	69	112064	6.196	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 124.000%		
11) 1,1-Dichloroethene-d2	2.563	65	46141	5.348	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 107.000%		
20) 2-Butanone-d5	4.634	46	327353	60.271	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 120.540%		
24) Chloroform-d	5.058	84	240102	5.946	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 119.000%		
26) 1,2-Dichloroethane-d4	5.698	65	114877	5.836	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 116.800%		
32) Benzene-d6	5.724	84	469647	5.732	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 114.600%		
36) 1,2-Dichloropropane-d6	6.689	67	156777	5.730	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 114.600%		
41) Toluene-d8	7.894	98	415392	5.713	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 114.200%		
43) trans-1,3-Dichloroprop...	8.177	79	51065	5.367	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 107.400%		
46) 2-Hexanone-d5	8.631	63	225307	56.439	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 112.880%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	115111	5.641	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 112.800%		
66) 1,2-Dichlorobenzene-d4	12.190	152	150122	5.660	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 113.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	137430	4.845	ug/L	100
3) Chloromethane	1.518	50	158195	4.855	ug/L	99
5) Vinyl chloride	1.602	62	167327	5.003	ug/L	99
6) Bromomethane	1.856	94	95716	5.206	ug/L	98
8) Chloroethane	1.933	64	103387	5.158	ug/L	97
9) Trichlorofluoromethane	2.136	101	207169	5.039	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	126329	5.252	ug/L	99
12) 1,1-Dichloroethene	2.576	96	111355	5.058	ug/L #	83
13) Acetone	2.650	43	344418	67.255	ug/L	98
14) Carbon disulfide	2.792	76	323909	4.961	ug/L	99
15) Methyl Acetate	2.959	43	51117	5.387	ug/L	99
16) Methylene chloride	3.042	84	137784	4.451	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	276624	5.090	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	113259	4.982	ug/L	99
19) 1,1-Dichloroethane	3.866	63	240138	5.105	ug/L	98
21) 2-Butanone	4.714	43	405836	61.063	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	133612	5.162	ug/L	96
23) Bromochloromethane	4.972	128	56272	5.224	ug/L	91
25) Chloroform	5.084	83	236316	5.096	ug/L	98

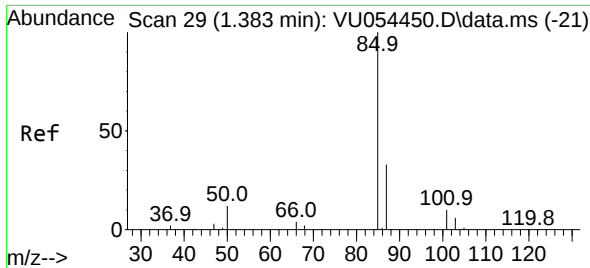
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 Data File : VU054480.D
 Acq On : 12 Jun 2023 12:08
 Operator : MD/SY
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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005180

Quant Time: Jun 13 02:21:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	138992	5.113	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	197979	4.953	ug/L	100
30) Cyclohexane	5.383	56	209221	4.806	ug/L	99
31) Carbon tetrachloride	5.521	117	169327	4.917	ug/L	99
33) Benzene	5.769	78	517500	4.885	ug/L	100
34) Trichloroethene	6.541	95	135622	4.842	ug/L	95
35) Methylcyclohexane	6.759	83	207837	4.909	ug/L	99
37) 1,2-Dichloropropane	6.788	63	139529	4.871	ug/L	100
38) Bromodichloromethane	7.103	83	161740	4.989	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	199471	5.101	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	775973	50.767	ug/L	100
42) Toluene	7.965	91	553938	5.078	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	162348	5.116	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	92513	5.077	ug/L	98
47) Tetrachloroethene	8.550	164	103219	4.814	ug/L	97
48) 2-Hexanone	8.682	43	648733	56.962	ug/L	98
49) Dibromochloromethane	8.807	129	99349	5.193	ug/L	100
50) 1,2-Dibromoethane	8.920	107	85483	5.110	ug/L	96
51) Chlorobenzene	9.444	112	343275	5.048	ug/L	98
52) Ethylbenzene	9.566	91	597186	5.012	ug/L	99
53) m,p-Xylene	9.692	106	223982	5.118	ug/L	100
54) o-Xylene	10.097	106	218307	5.158	ug/L	100
55) Styrene	10.110	104	367630	5.175	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	113416	4.900	ug/L	98
59) Bromoform	10.287	173	59095	5.235	ug/L	98
60) Isopropylbenzene	10.479	105	597742	5.196	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	77738	4.892	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	486405	5.182	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	489195	5.132	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	281721	5.239	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	277613	5.144	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	253688	5.130	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	17704	5.070	ug/L	91
69) 1,3,5-Trichlorobenzene	13.216	180	214389	5.284	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	177335	5.286	ug/L	100
71) Naphthalene	14.084	128	274028	5.023	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	155373	5.391	ug/L	98

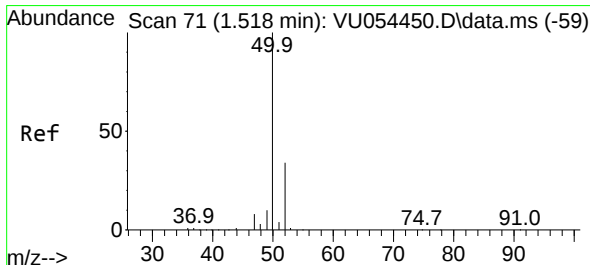
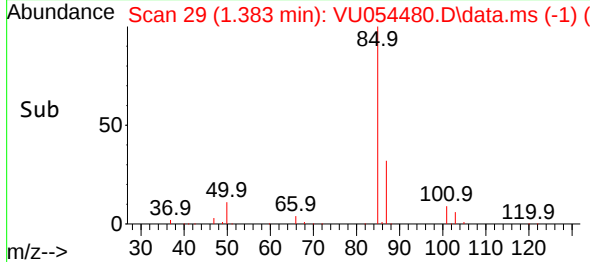
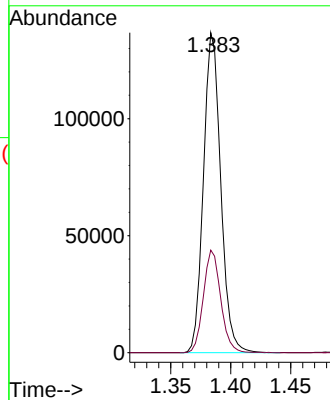
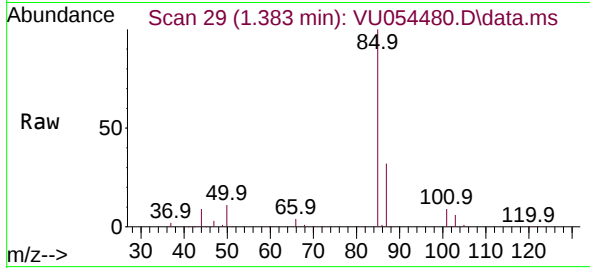
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#2
 Dichlorodifluoromethane
 Concen: 4.845 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054480.D
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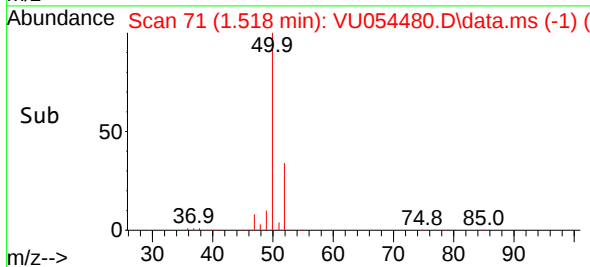
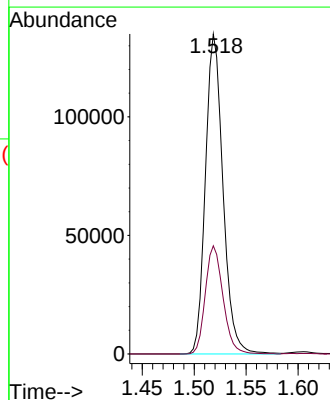
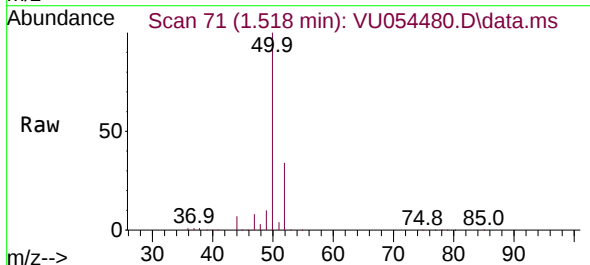
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005180

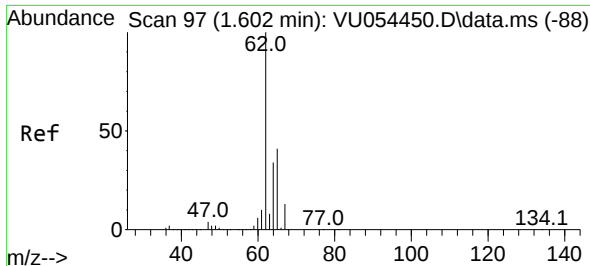
Tgt Ion: 85 Resp: 137430
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.4 38.2



#3
 Chloromethane
 Concen: 4.855 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

Tgt Ion: 50 Resp: 158195
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.4 43.4

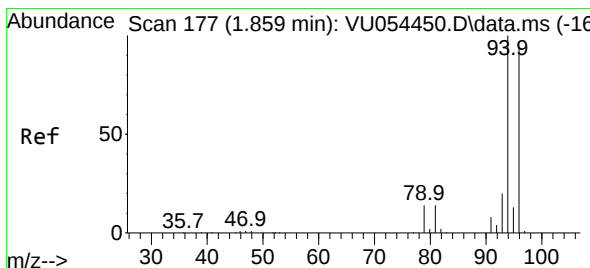
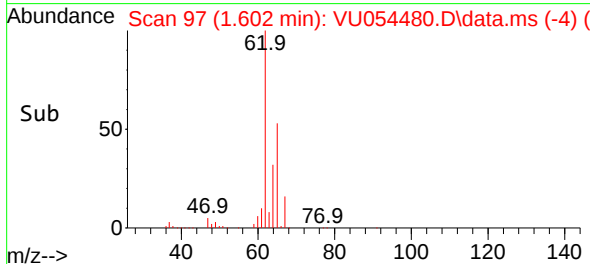
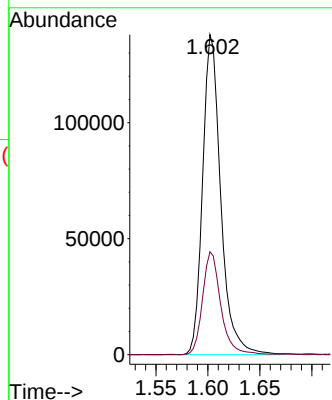
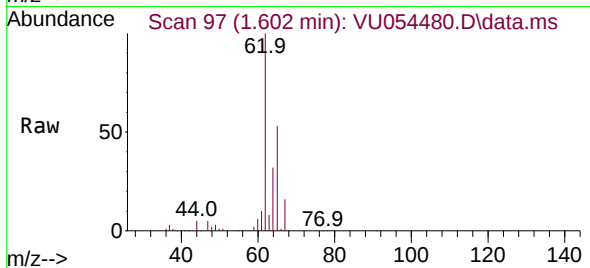




#5
 Vinyl chloride
 Concen: 5.003 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

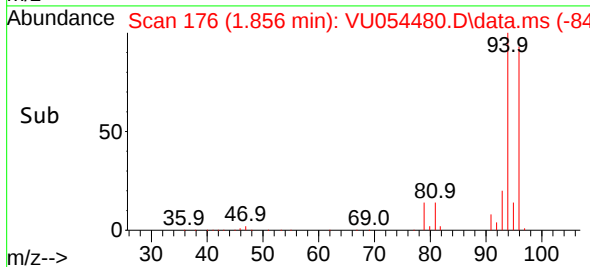
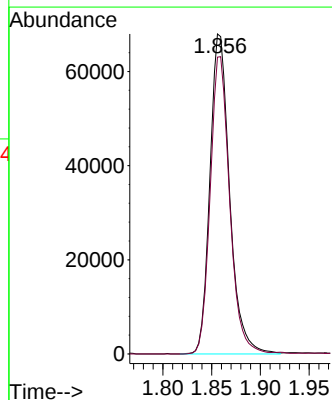
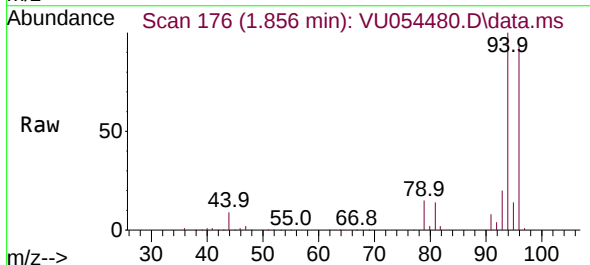
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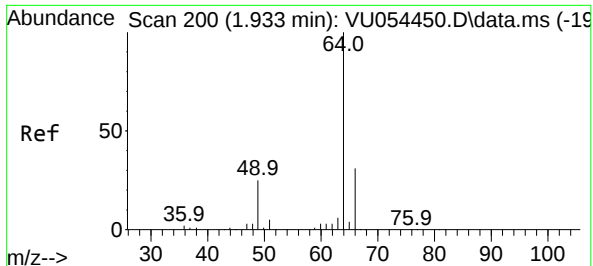
Tgt Ion: 62 Resp: 167327
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.0 42.6



#6
 Bromomethane
 Concen: 5.206 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.003 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

Tgt Ion: 94 Resp: 95716
 Ion Ratio Lower Upper
 94 100
 96 92.7 63.6 118.2

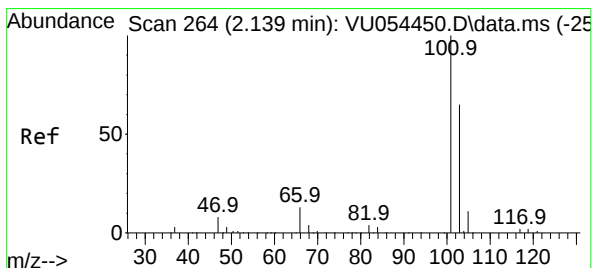
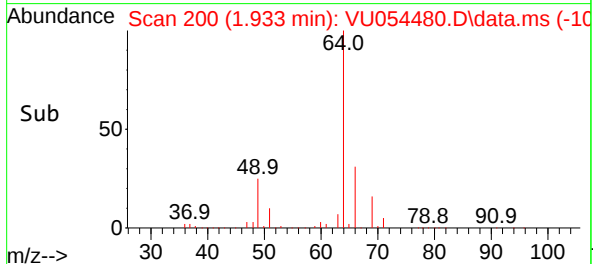
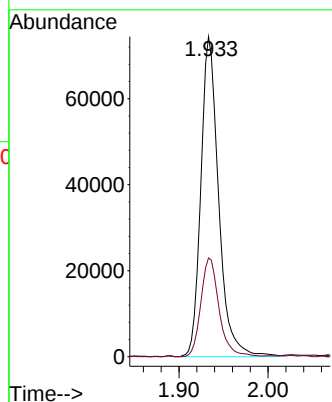
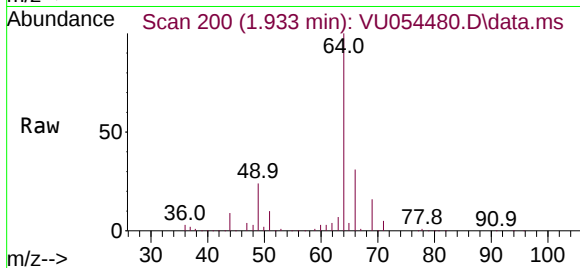




#8
Chloroethane
Concen: 5.158 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

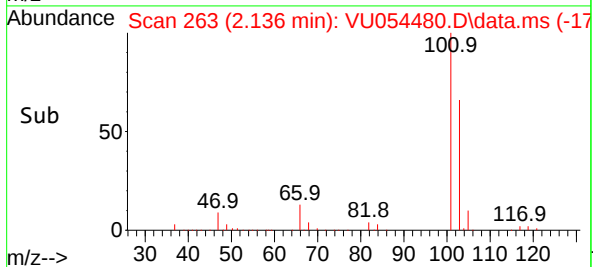
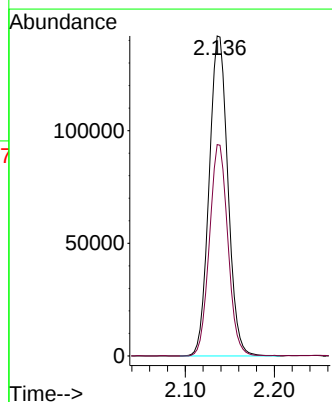
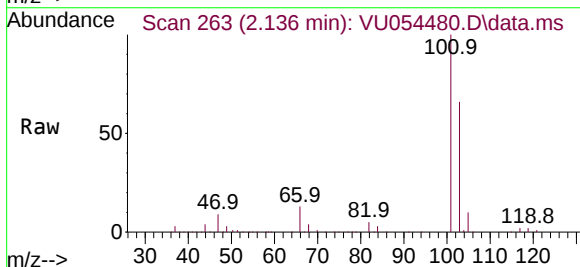
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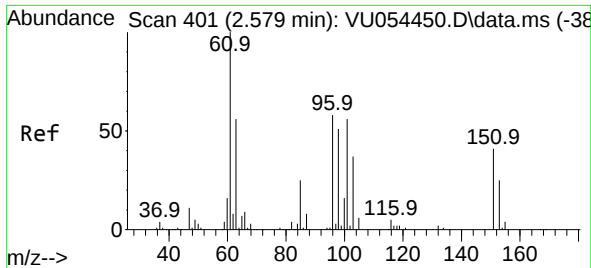
Tgt Ion: 64 Resp: 103387
Ion Ratio Lower Upper
64 100
66 30.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.039 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion:101 Resp: 207169
Ion Ratio Lower Upper
101 100
103 65.0 50.6 75.8

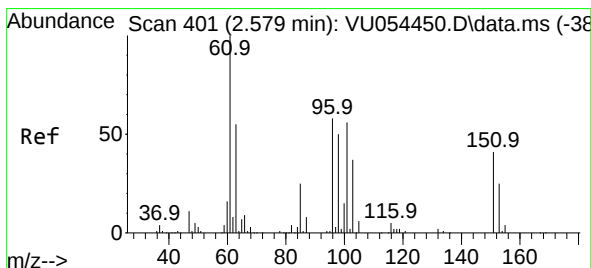
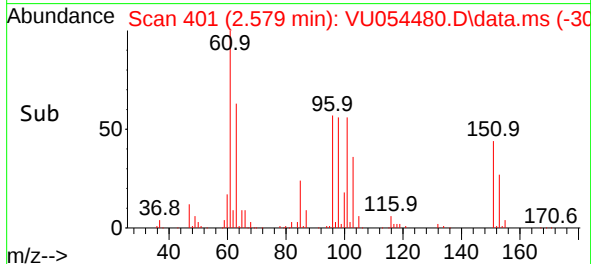
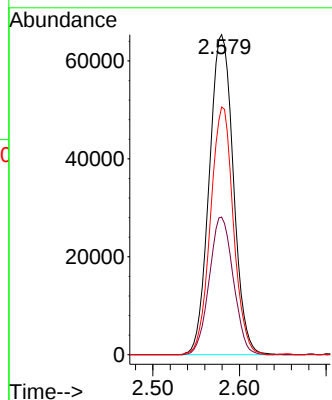
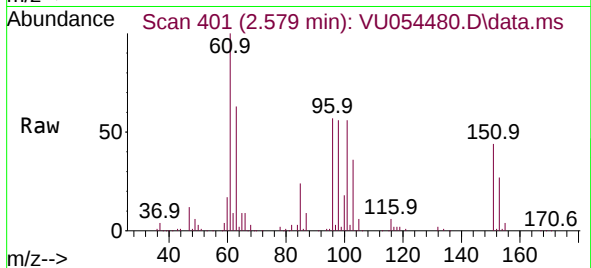




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.252 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

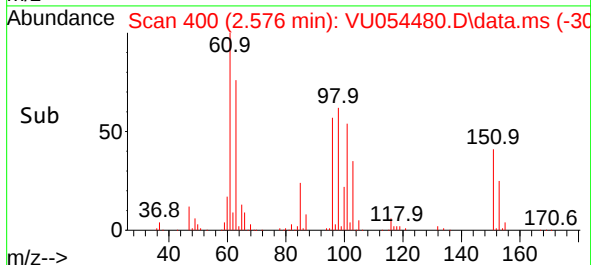
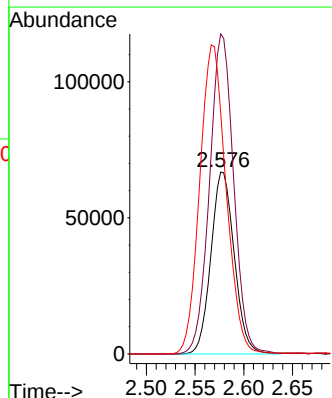
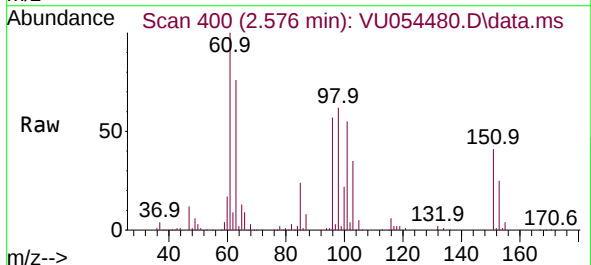
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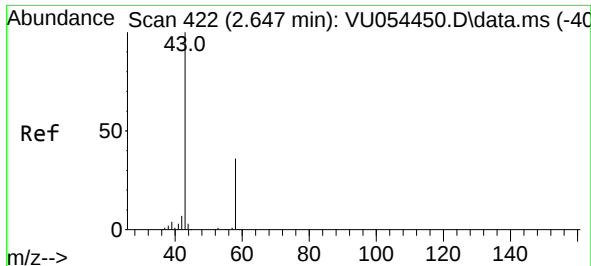
Tgt Ion:101 Resp: 126329
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.6 51.8
 151 73.6 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 5.058 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

Tgt Ion: 96 Resp: 111355
 Ion Ratio Lower Upper
 96 100
 61 176.0 119.9 222.7
 63 132.9 64.3 119.3#





#13

Acetone

Concen: 67.255 ug/L

RT: 2.650 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

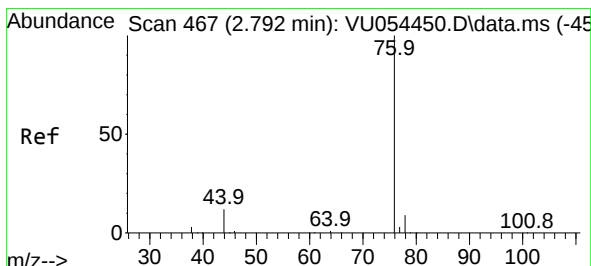
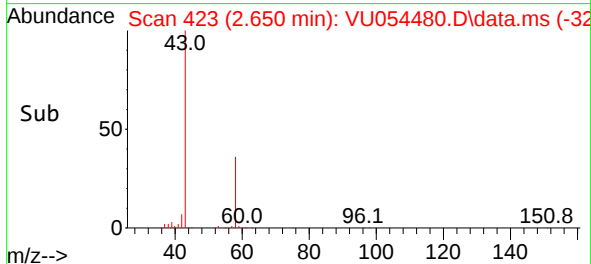
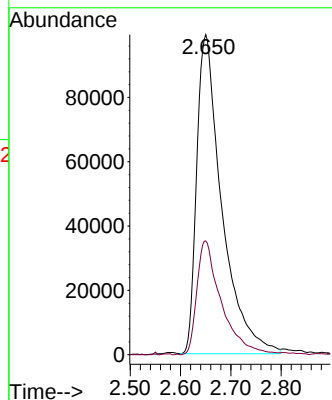
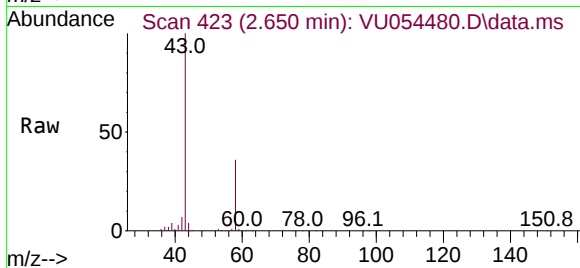
VSTD005180

Tgt Ion: 43 Resp: 344418

Ion Ratio Lower Upper

43 100

58 34.7 0.0 67.2



#14

Carbon disulfide

Concen: 4.961 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054480.D

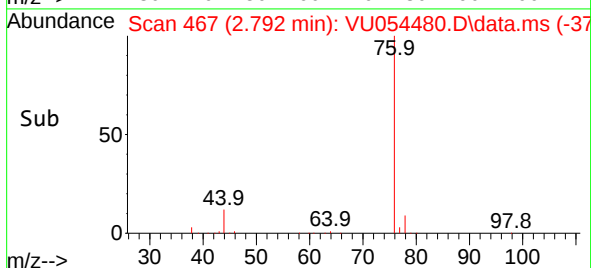
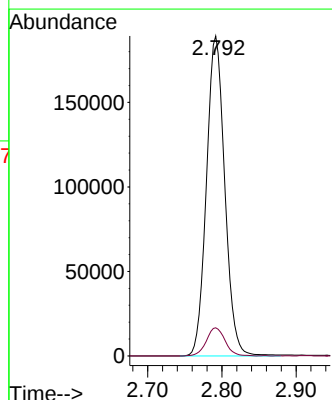
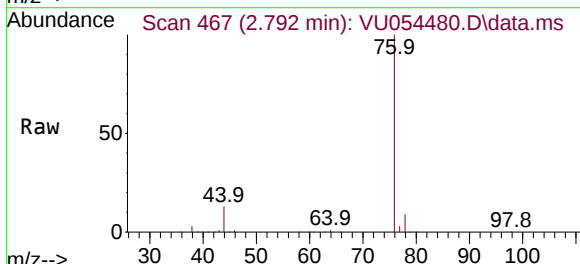
Acq: 12 Jun 2023 12:08

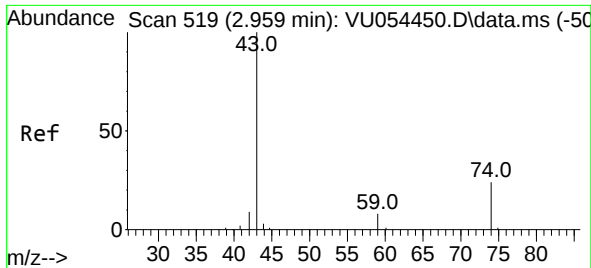
Tgt Ion: 76 Resp: 323909

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

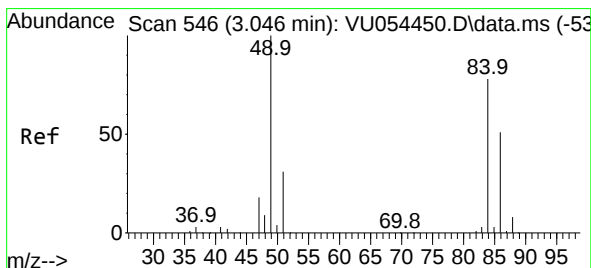
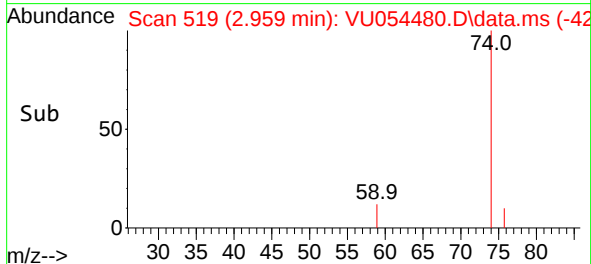
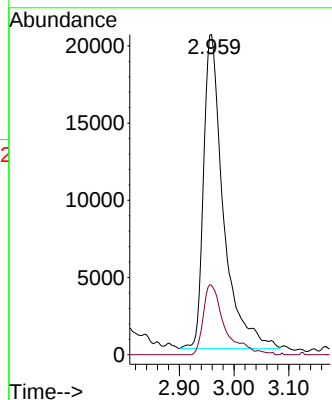
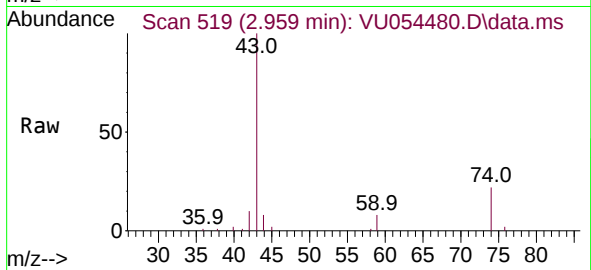




#15
Methyl Acetate
Concen: 5.387 ug/L
RT: 2.959 min Scan# 519
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

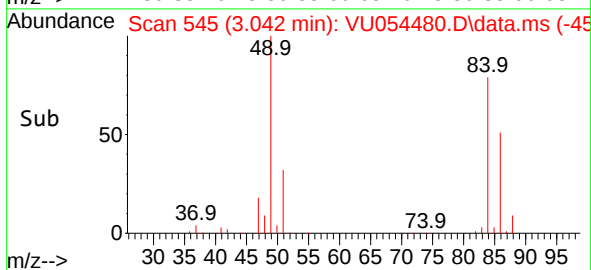
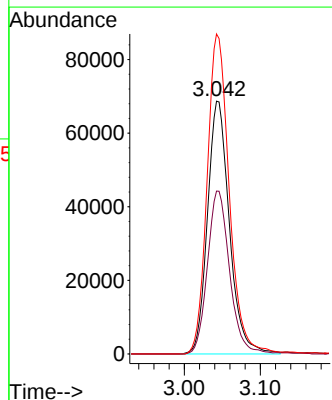
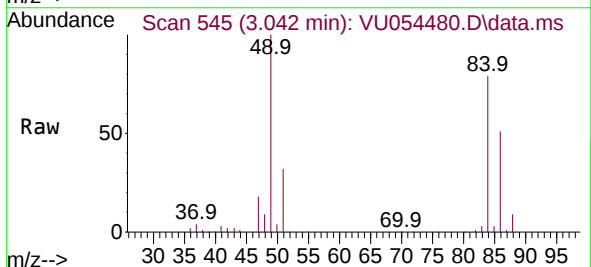
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

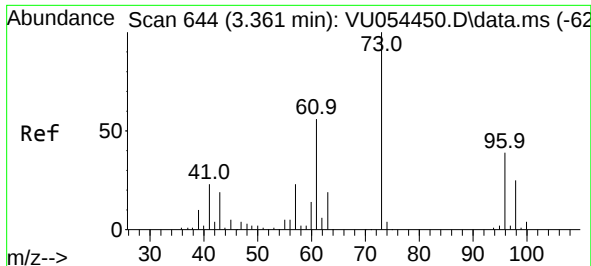
Tgt Ion: 43 Resp: 51117
Ion Ratio Lower Upper
43 100
74 23.4 19.0 28.6



#16
Methylene chloride
Concen: 4.451 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion: 84 Resp: 137784
Ion Ratio Lower Upper
84 100
86 64.4 43.9 81.5
49 126.6 86.1 159.9

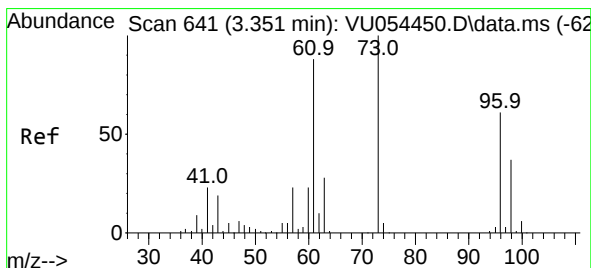
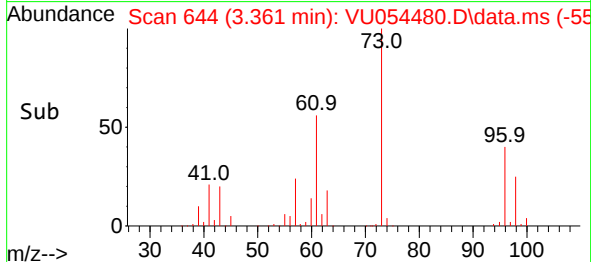
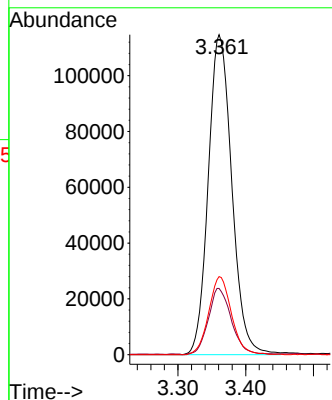
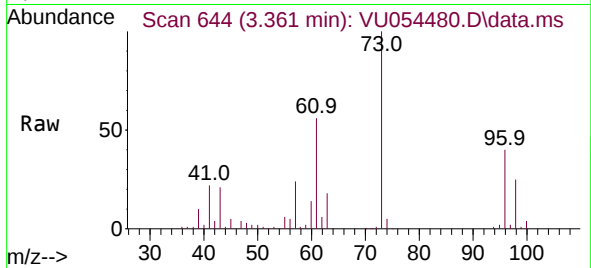




#17
Methyl tert-butyl Ether
Concen: 5.090 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

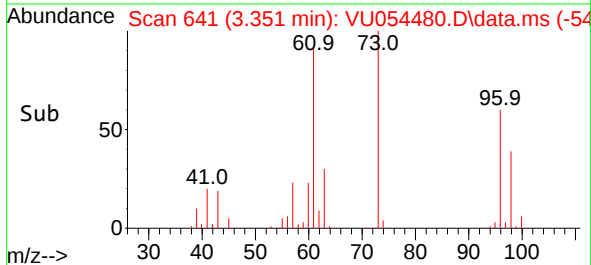
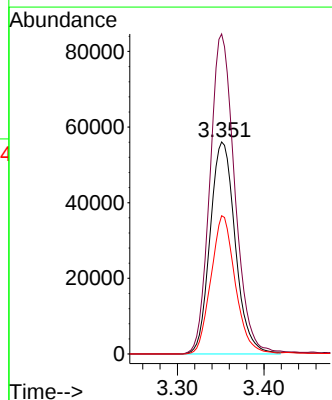
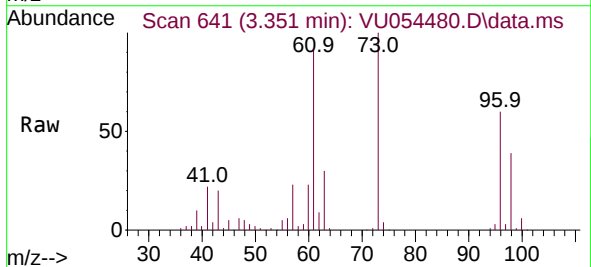
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

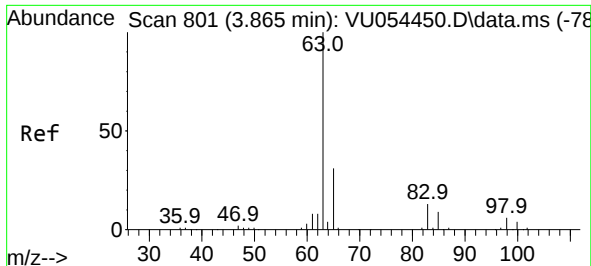
Tgt Ion: 73 Resp: 276624
Ion Ratio Lower Upper
73 100
43 20.5 15.7 23.5
57 23.5 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.982 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion: 96 Resp: 113259
Ion Ratio Lower Upper
96 100
61 150.9 104.6 194.2
98 65.2 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.105 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005180

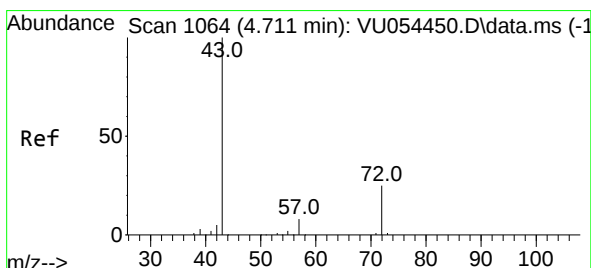
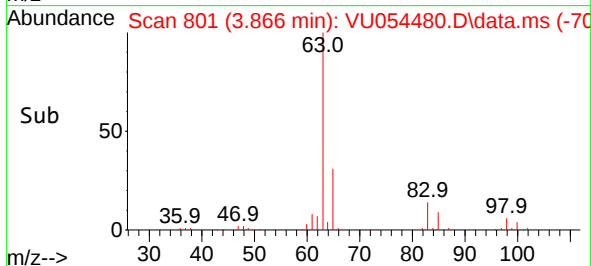
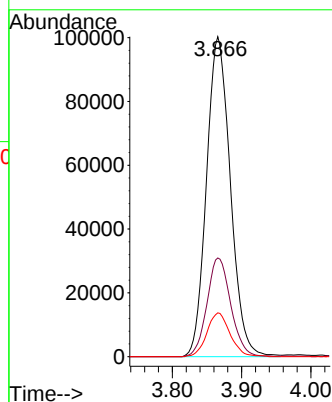
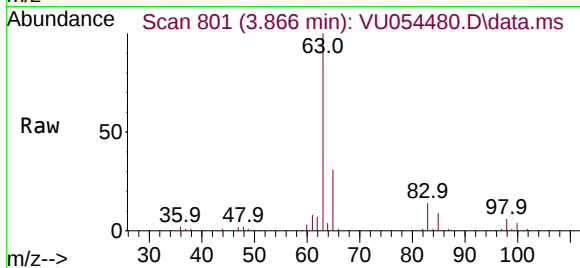
Tgt Ion: 63 Resp: 240138

Ion Ratio Lower Upper

63 100

65 30.9 22.2 41.2

83 13.7 9.0 16.6



#21

2-Butanone

Concen: 61.063 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.003 min

Lab File: VU054480.D

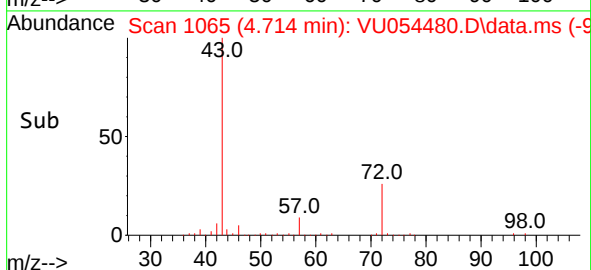
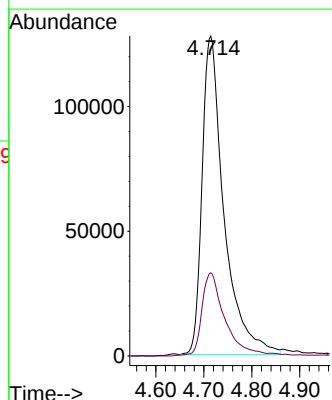
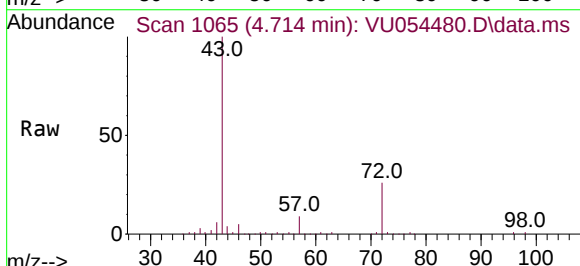
Acq: 12 Jun 2023 12:08

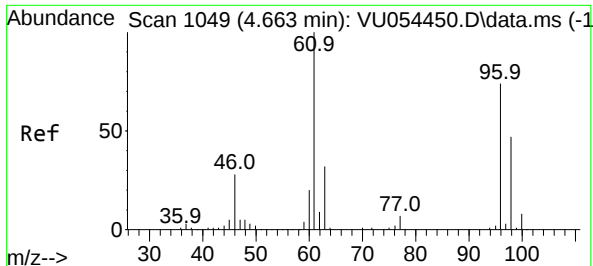
Tgt Ion: 43 Resp: 405836

Ion Ratio Lower Upper

43 100

72 27.0 13.4 40.1

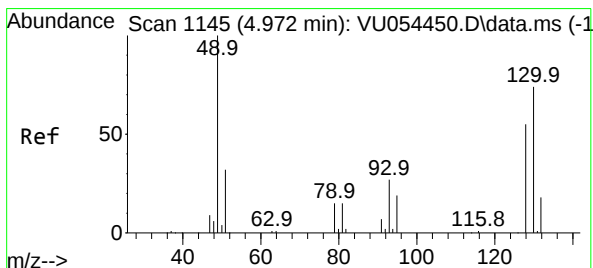
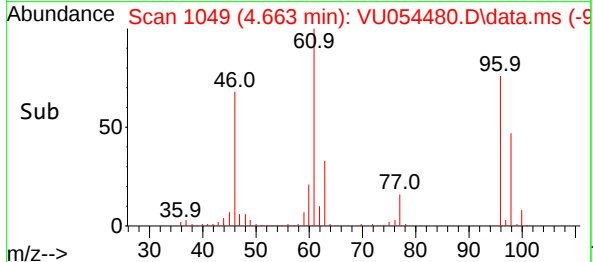
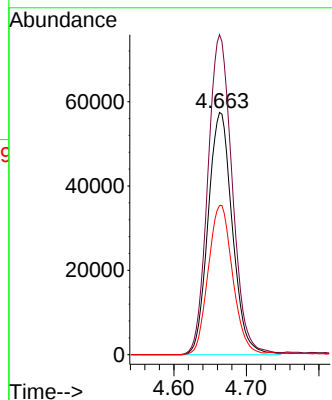
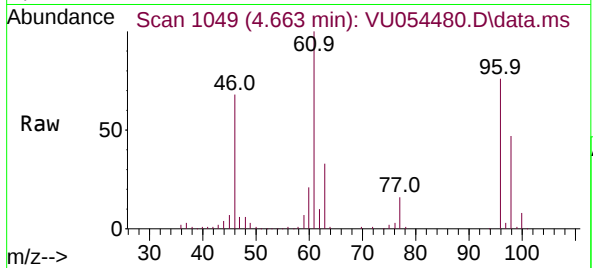




#22
 cis-1,2-Dichloroethene
 Concen: 5.162 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

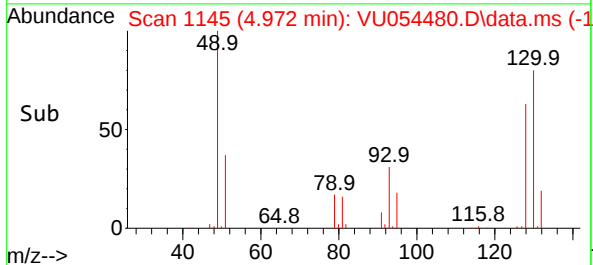
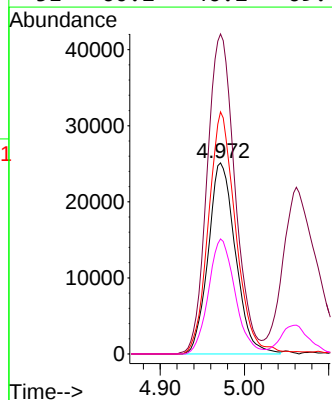
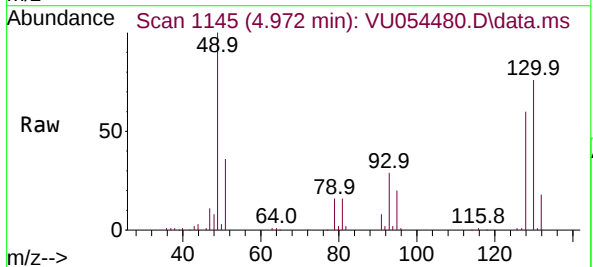
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005180

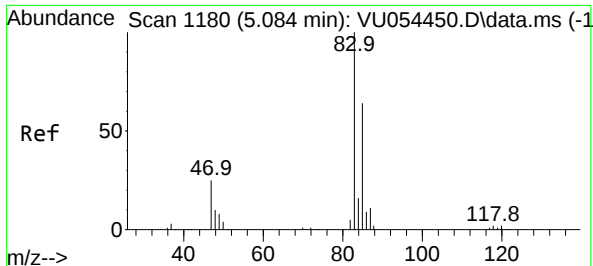
Tgt Ion: 96 Resp: 133612
 Ion Ratio Lower Upper
 96 100
 61 132.1 96.5 179.1
 98 61.6 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.224 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

Tgt Ion:128 Resp: 56272
 Ion Ratio Lower Upper
 128 100
 49 167.5 132.1 245.3
 130 126.7 91.5 169.9
 51 60.2 46.2 69.4





#25

Chloroform

Concen: 5.096 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

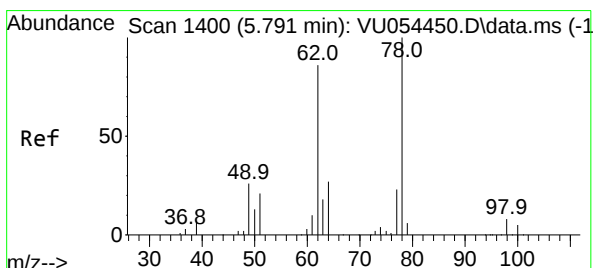
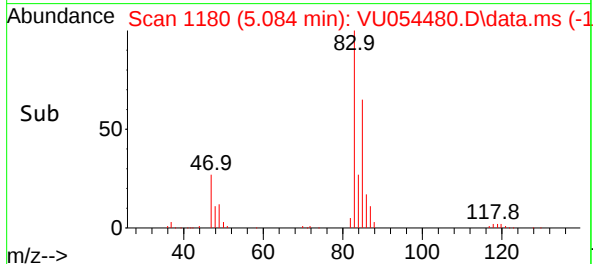
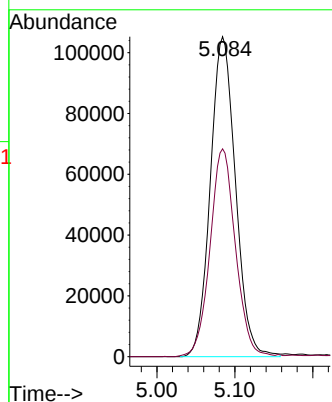
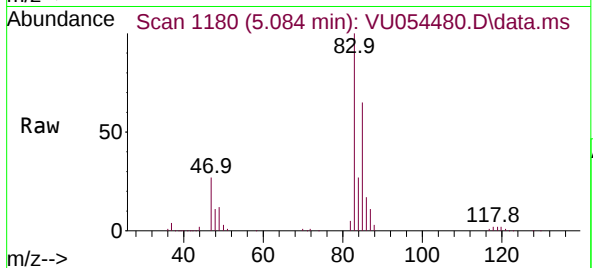
VSTD005180

Tgt Ion: 83 Resp: 236316

Ion Ratio Lower Upper

83 100

85 65.0 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.113 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU054480.D

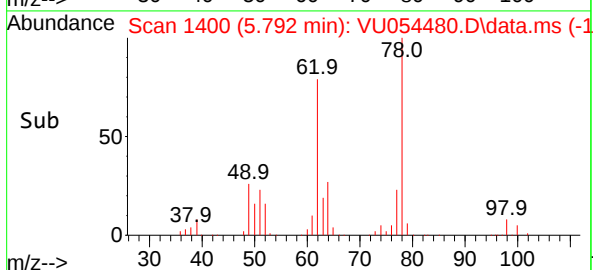
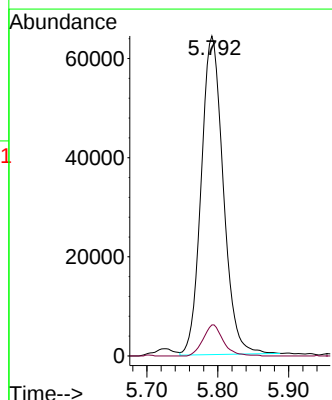
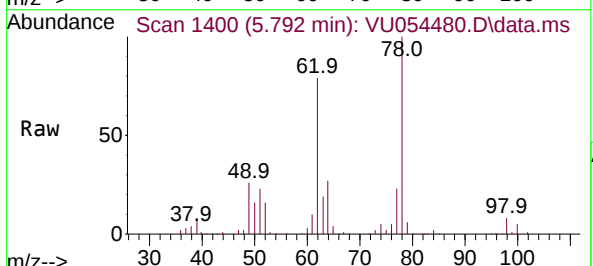
Acq: 12 Jun 2023 12:08

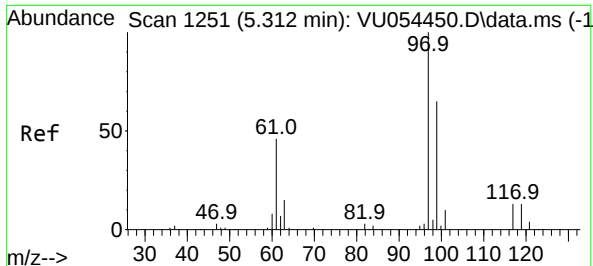
Tgt Ion: 62 Resp: 138992

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.953 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005180

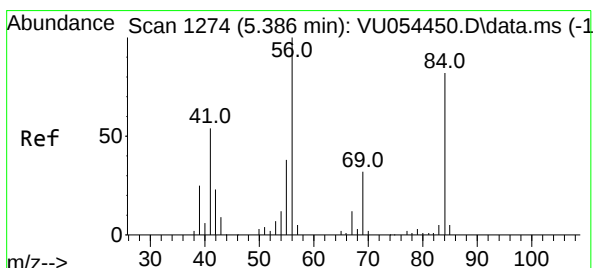
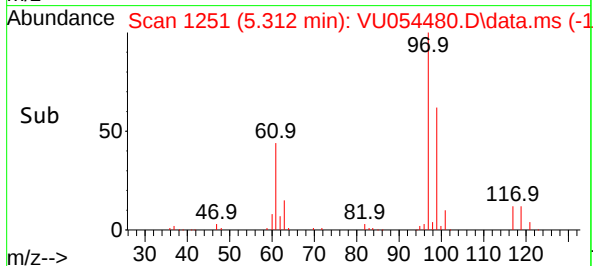
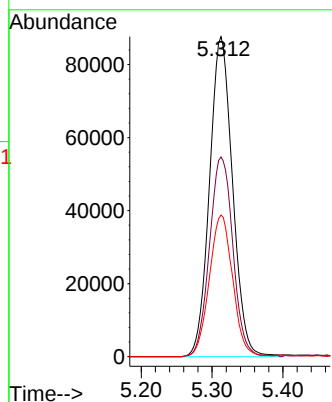
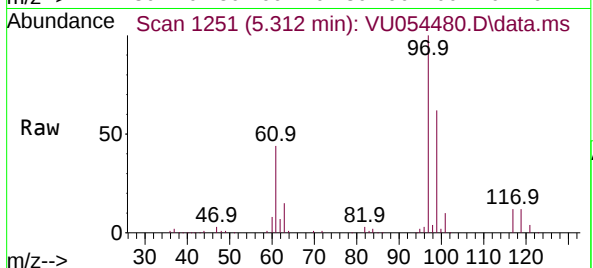
Tgt Ion: 97 Resp: 197979

Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

61 45.0 36.1 54.1



#30

Cyclohexane

Concen: 4.806 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.003 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

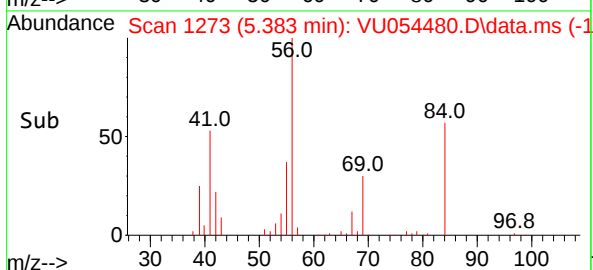
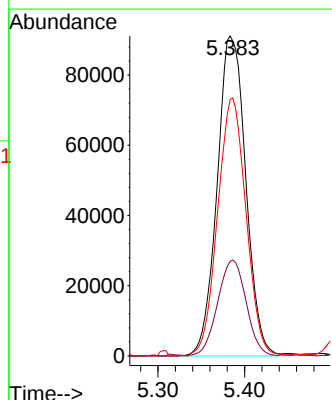
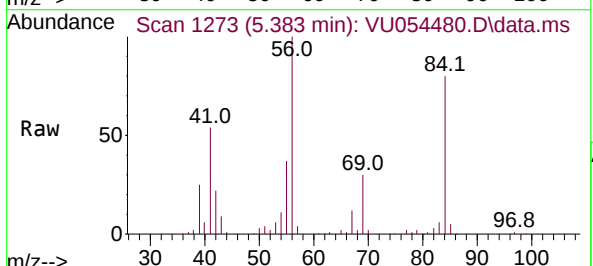
Tgt Ion: 56 Resp: 209221

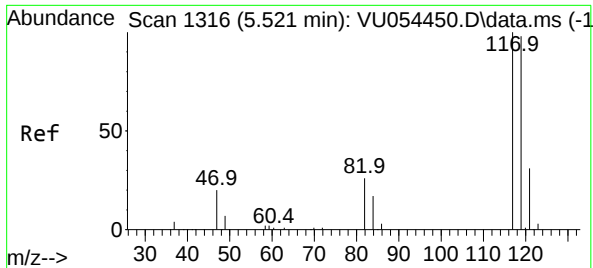
Ion Ratio Lower Upper

56 100

69 29.3 23.9 35.9

84 79.9 63.0 94.6

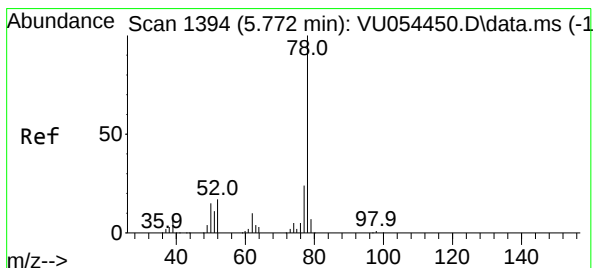
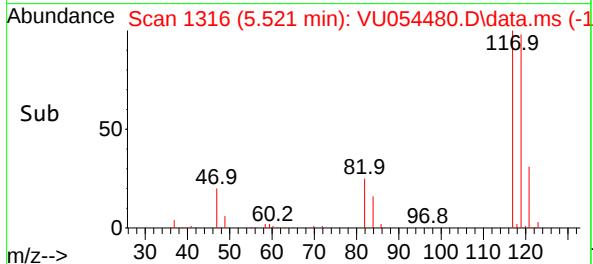
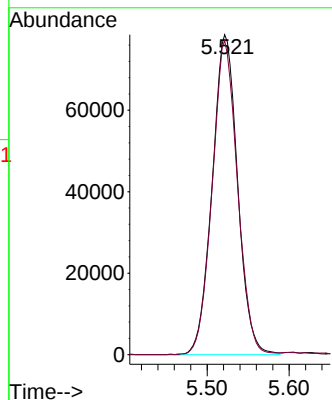
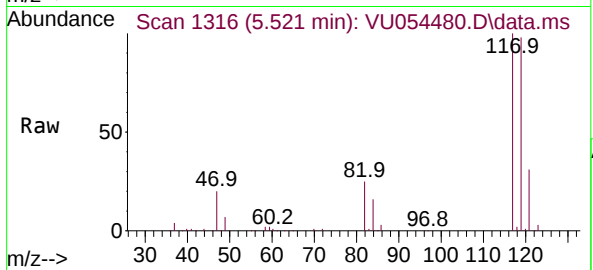




#31
Carbon tetrachloride
Concen: 4.917 ug/L
RT: 5.521 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

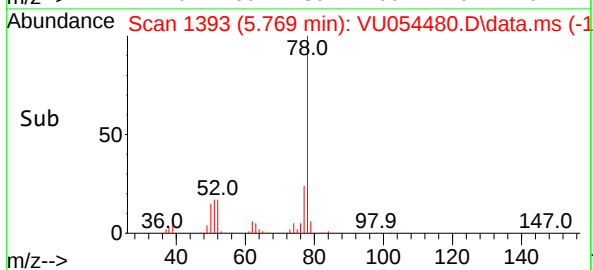
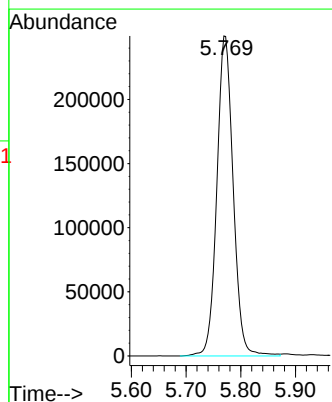
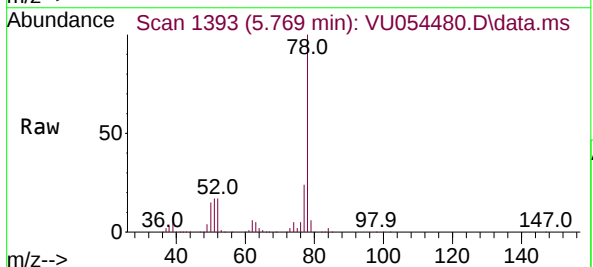
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

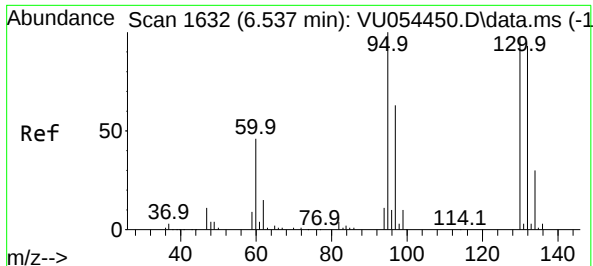
Tgt Ion:117 Resp: 169327
Ion Ratio Lower Upper
117 100
119 97.4 76.8 115.2



#33
Benzene
Concen: 4.885 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion: 78 Resp: 517500



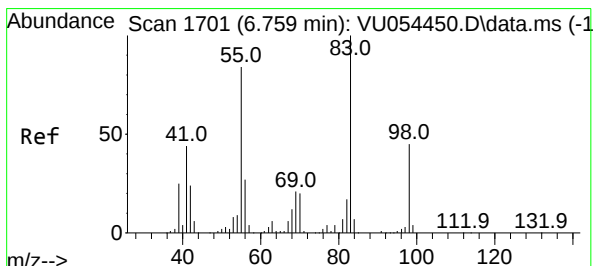
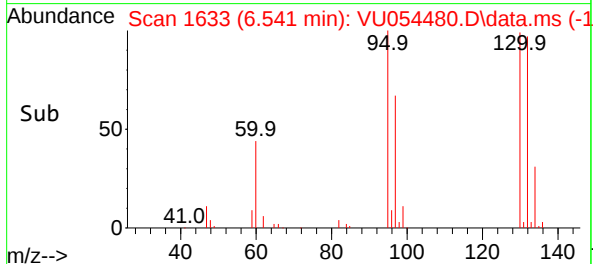
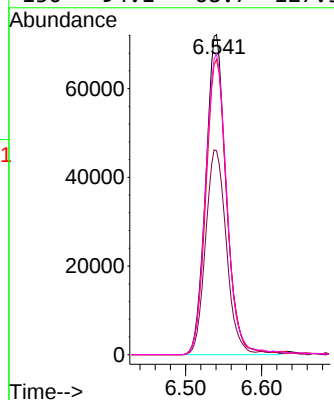
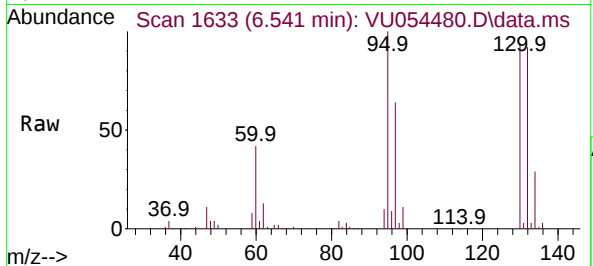


#34
Trichloroethene
Concen: 4.842 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

Tgt Ion: 95 Resp: 135622

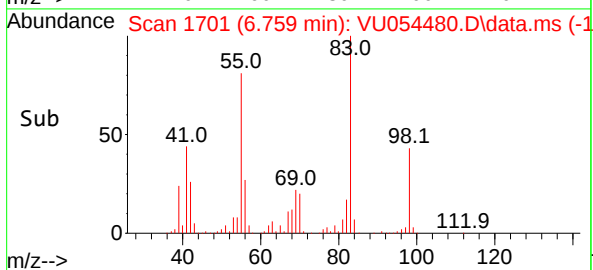
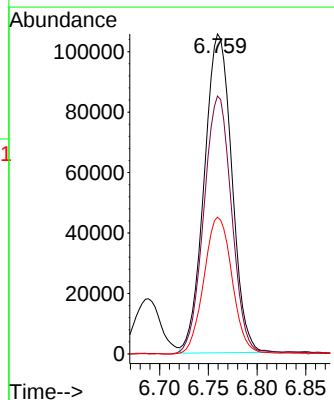
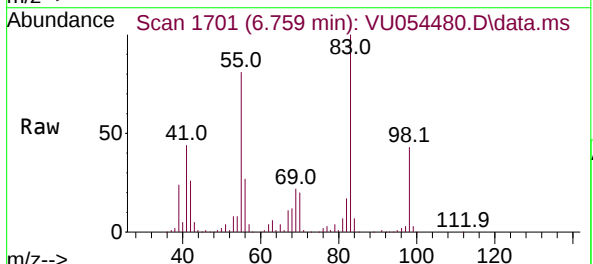
Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.8	87.0
132	92.2	68.4	127.0
130	94.1	68.7	127.5

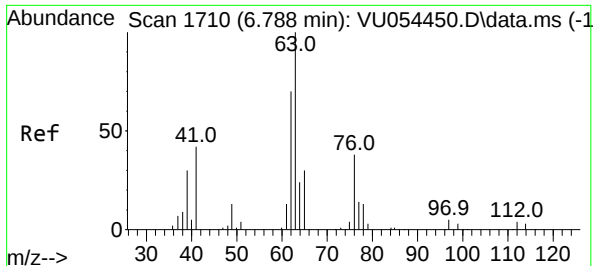


#35
Methylcyclohexane
Concen: 4.909 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion: 83 Resp: 207837

Ion	Ratio	Lower	Upper
83	100		
55	81.9	67.1	100.7
98	43.9	35.1	52.7





#37

1,2-Dichloropropane

Concen: 4.871 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

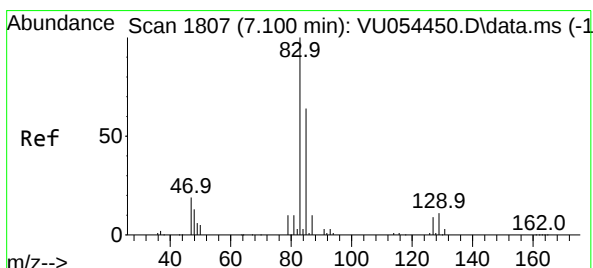
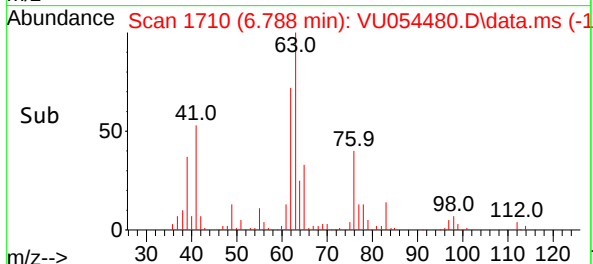
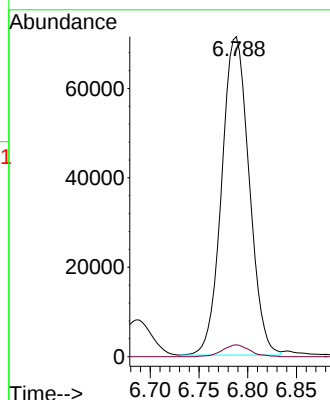
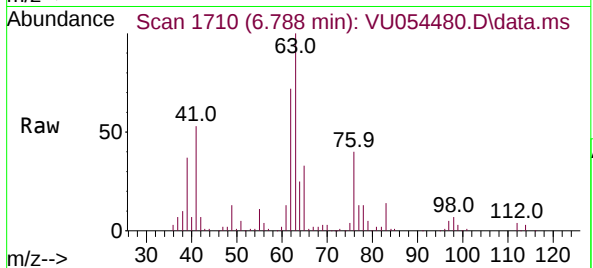
VSTD005180

Tgt Ion: 63 Resp: 139529

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 4.989 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

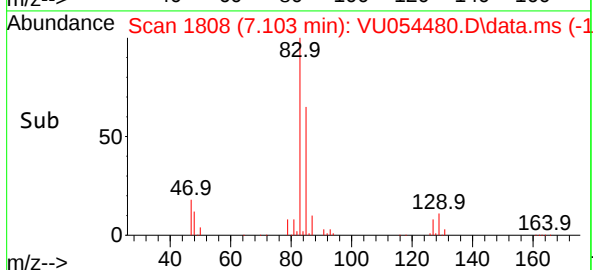
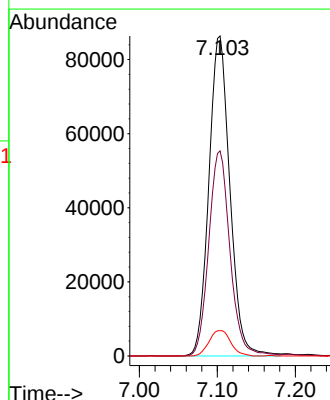
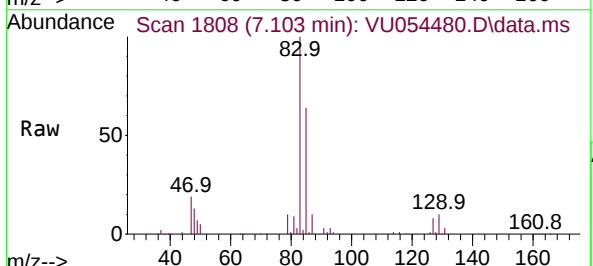
Tgt Ion: 83 Resp: 161740

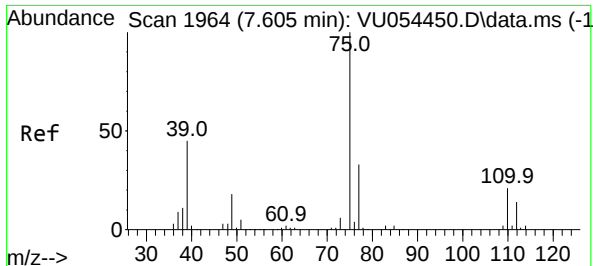
Ion Ratio Lower Upper

83 100

85 64.1 44.1 81.9

127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.101 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

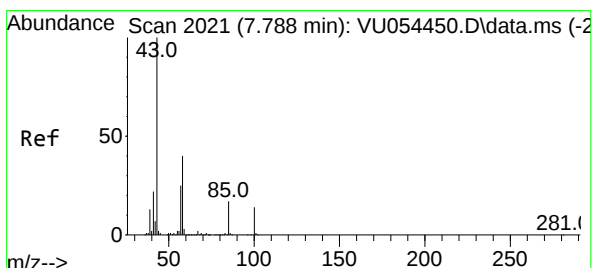
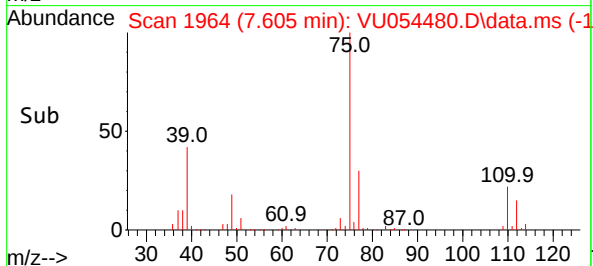
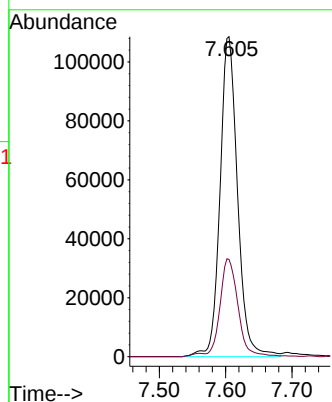
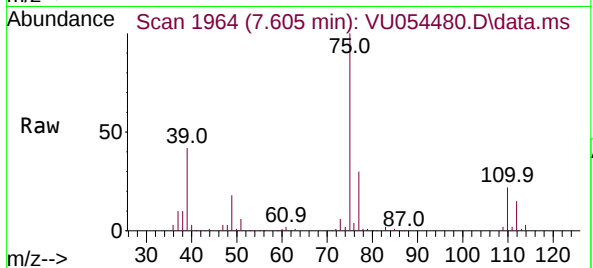
VSTD005180

Tgt Ion: 75 Resp: 199471

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 50.767 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

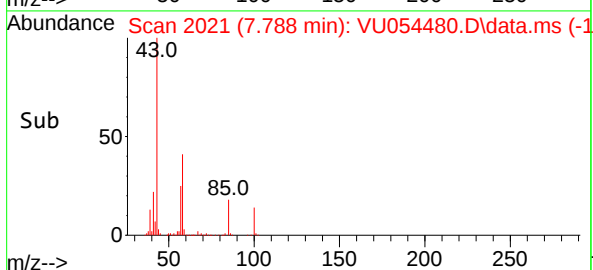
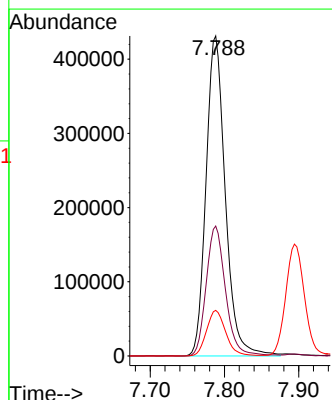
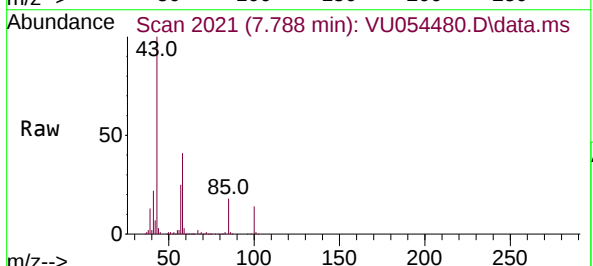
Tgt Ion: 43 Resp: 775973

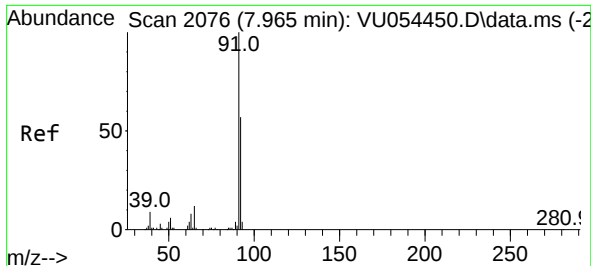
Ion Ratio Lower Upper

43 100

58 40.8 32.4 48.6

100 14.2 11.4 17.2





#42

Toluene

Concen: 5.078 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

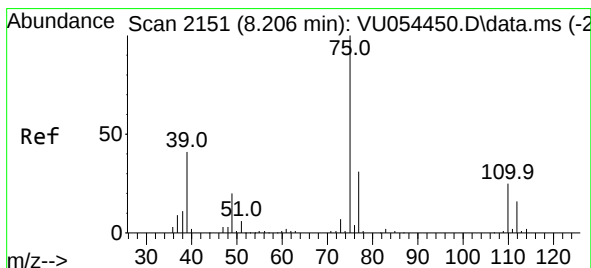
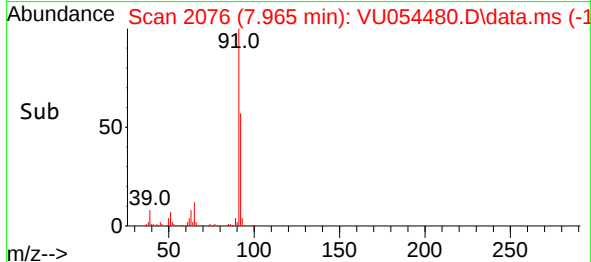
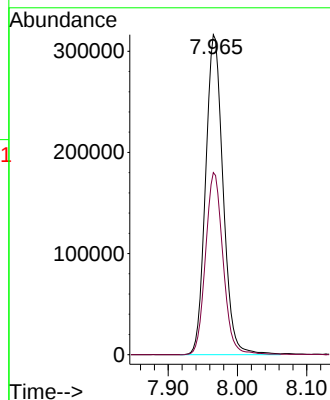
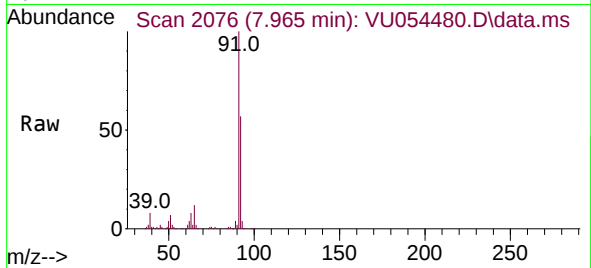
VSTD005180

Tgt Ion: 91 Resp: 553938

Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.116 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054480.D

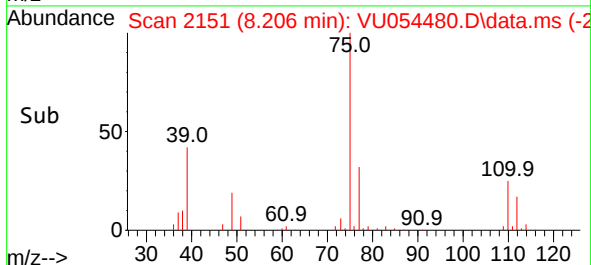
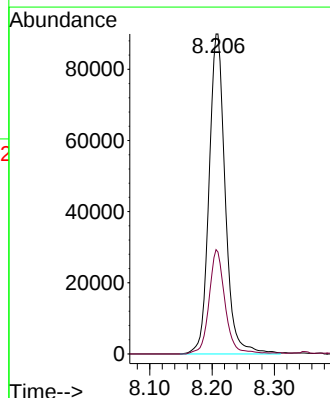
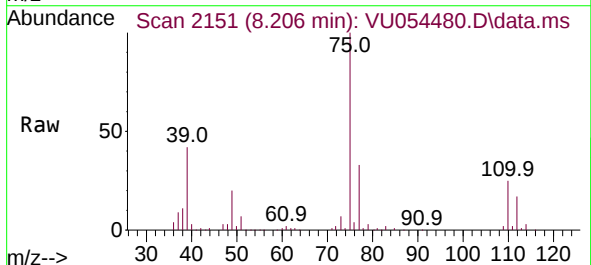
Acq: 12 Jun 2023 12:08

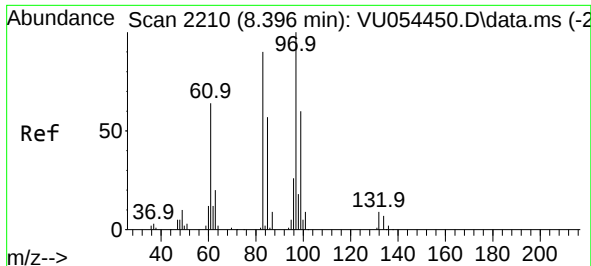
Tgt Ion: 75 Resp: 162348

Ion Ratio Lower Upper

75 100

77 32.6 21.3 39.6

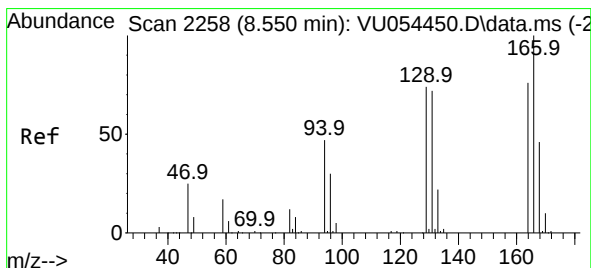
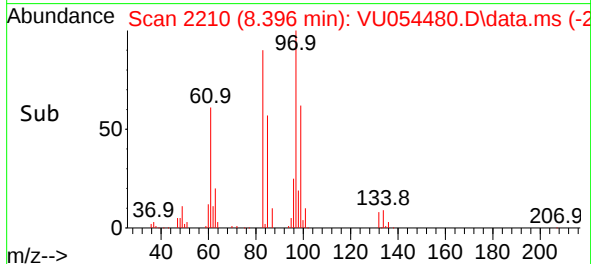
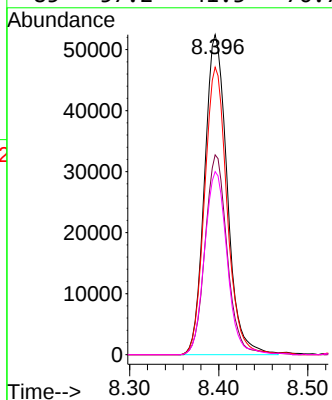
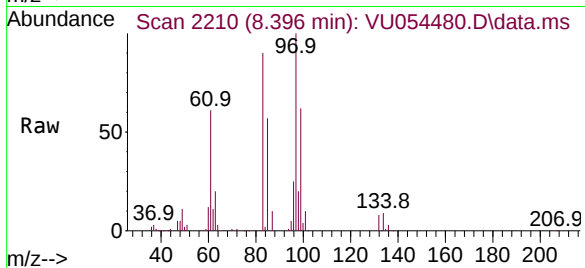




#45
1,1,2-Trichloroethane
Concen: 5.077 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

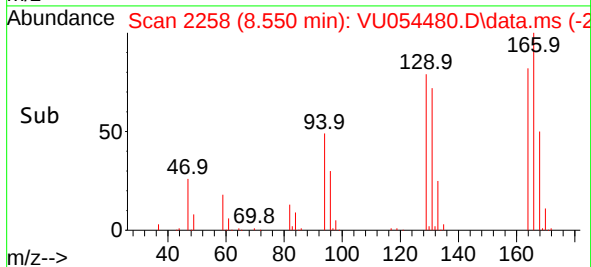
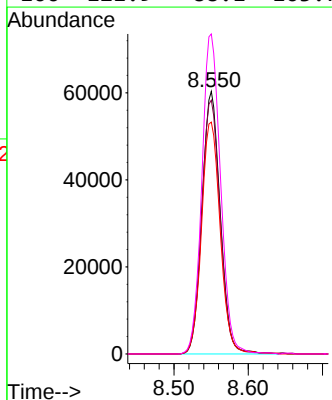
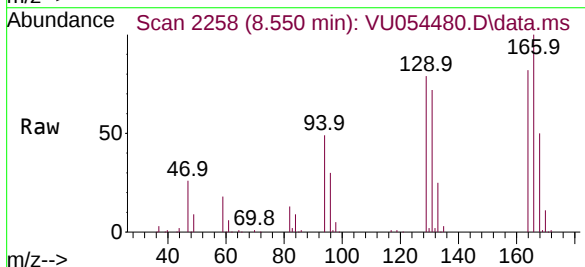
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

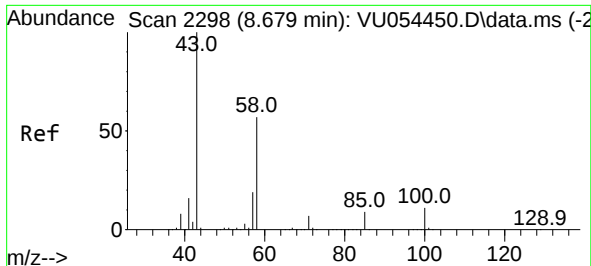
Tgt Ion:	97	Resp:	92513
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.0	80.0
83	89.8	63.8	118.6
85	57.2	41.3	76.7



#47
Tetrachloroethene
Concen: 4.814 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion:	164	Resp:	103219
Ion	Ratio	Lower	Upper
164	100		
129	96.7	67.7	125.7
131	88.3	64.6	120.0
166	121.9	88.1	163.7

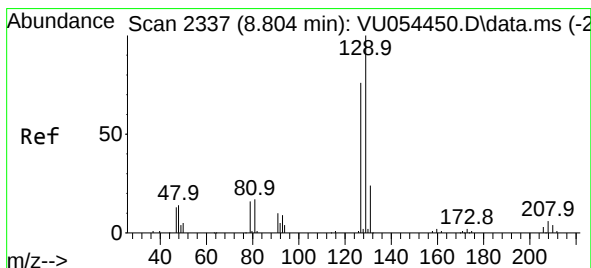
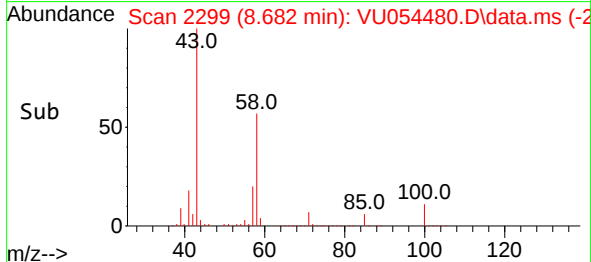
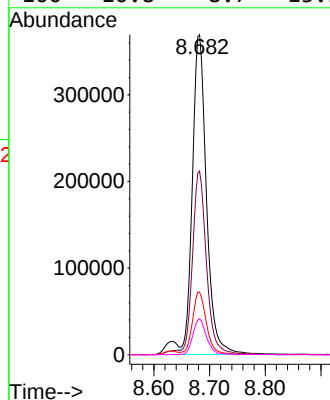
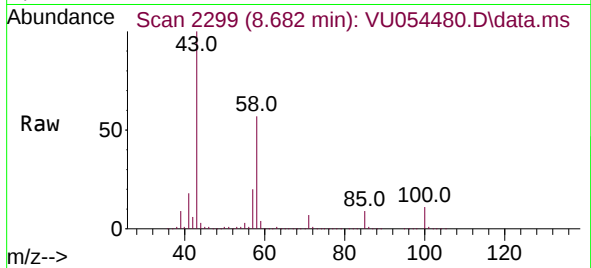




#48
2-Hexanone
Concen: 56.962 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

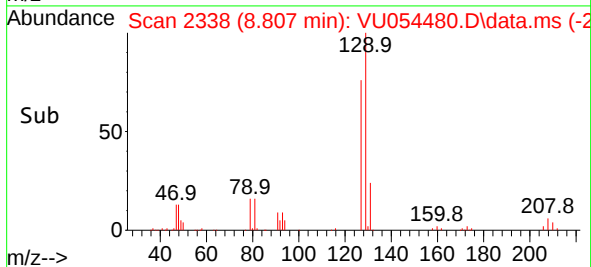
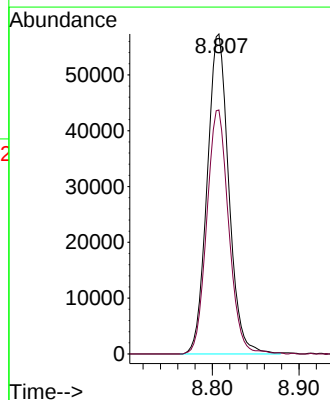
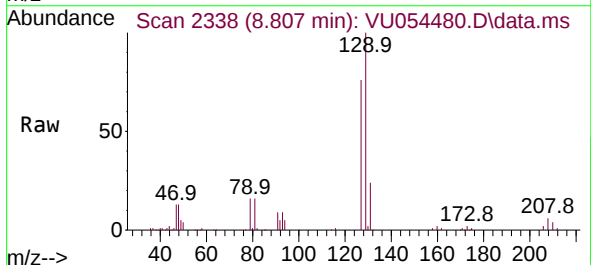
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

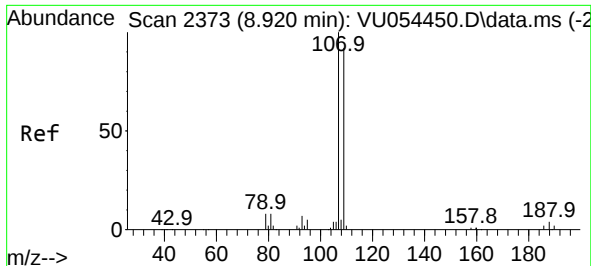
Tgt Ion:	43	Resp:	648733
Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.2	67.8
57	19.3	15.8	23.6
100	10.8	8.7	13.1



#49
Dibromochloromethane
Concen: 5.193 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion:	129	Resp:	99349
Ion	Ratio	Lower	Upper
129	100		
127	76.3	53.2	98.8

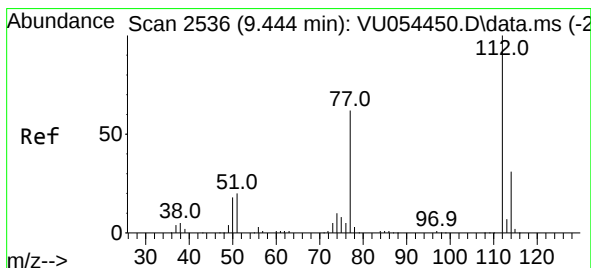
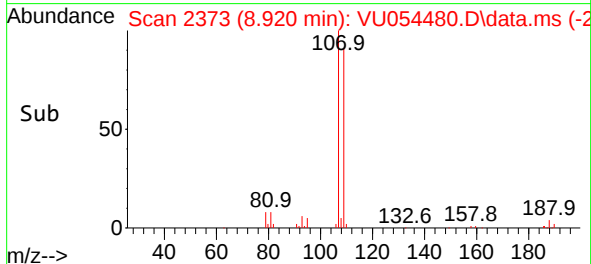
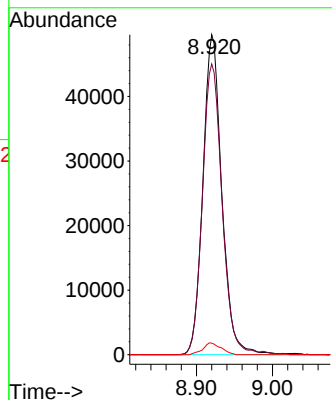
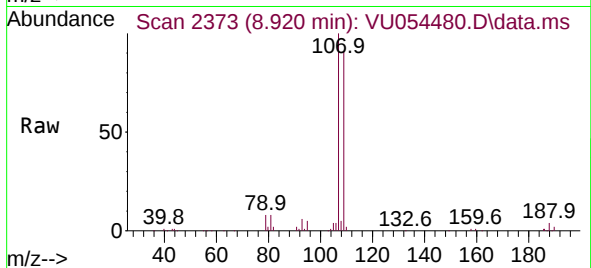




#50
1,2-Dibromoethane
Concen: 5.110 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

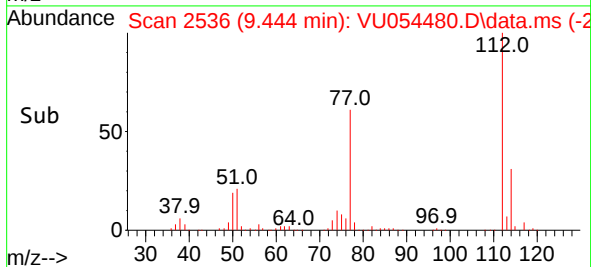
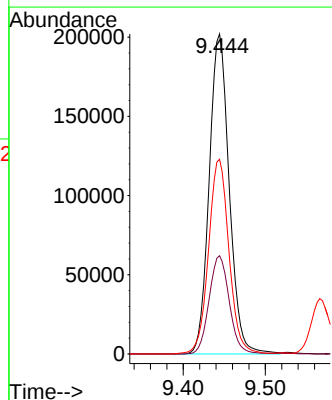
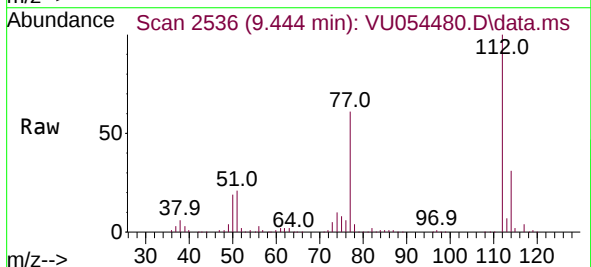
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

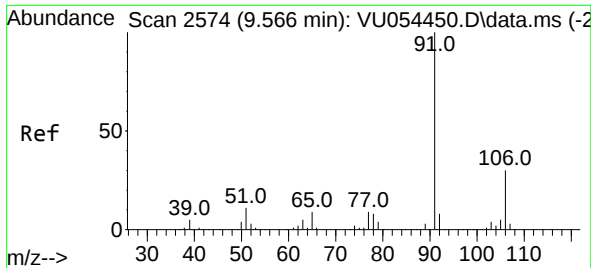
Tgt Ion:107 Resp: 85483
Ion Ratio Lower Upper
107 100
109 90.9 66.6 123.6
188 3.6 3.1 4.7



#51
Chlorobenzene
Concen: 5.048 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion:112 Resp: 343275
Ion Ratio Lower Upper
112 100
114 30.7 22.7 42.1
77 60.9 49.8 74.8

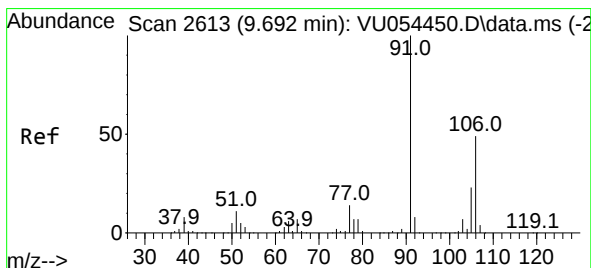
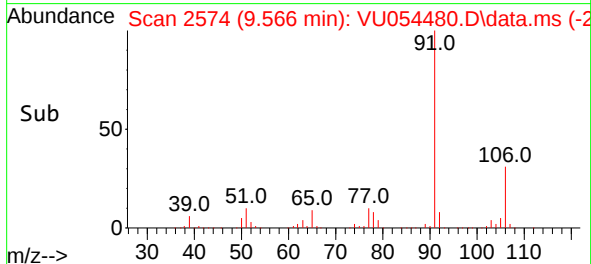
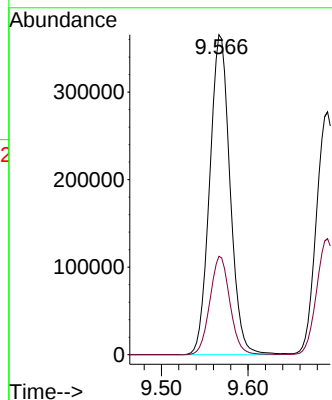
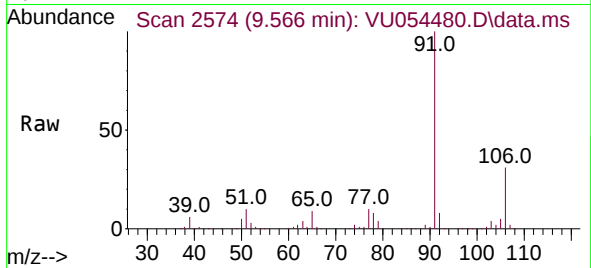




#52
Ethylbenzene
Concen: 5.012 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

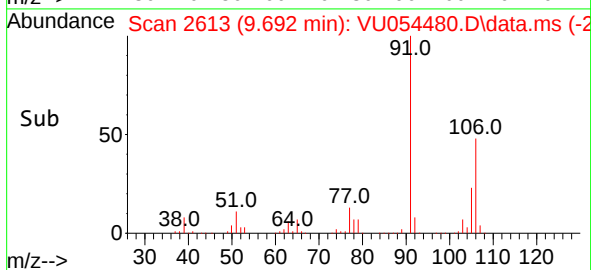
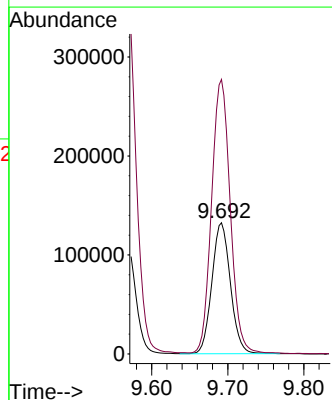
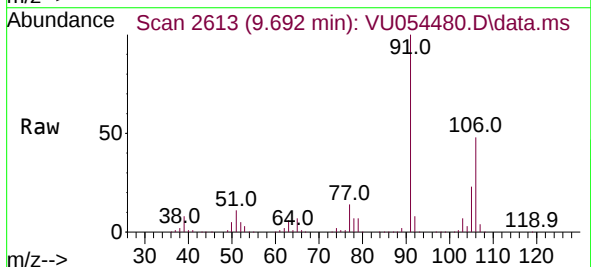
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

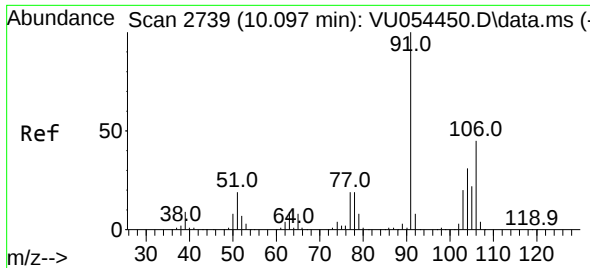
Tgt Ion: 91 Resp: 597186
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.3



#53
m,p-Xylene
Concen: 5.118 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion: 106 Resp: 223982
Ion Ratio Lower Upper
106 100
91 209.3 147.0 273.0

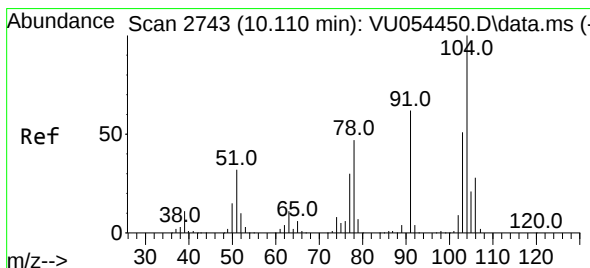
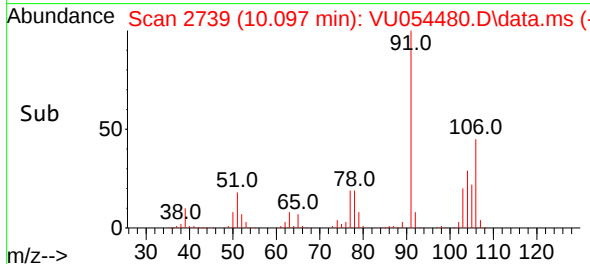
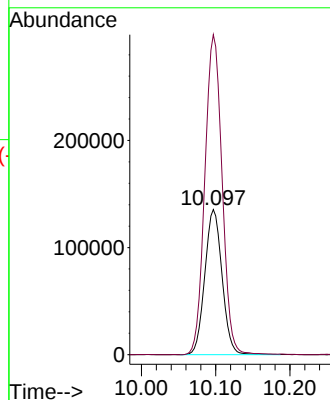
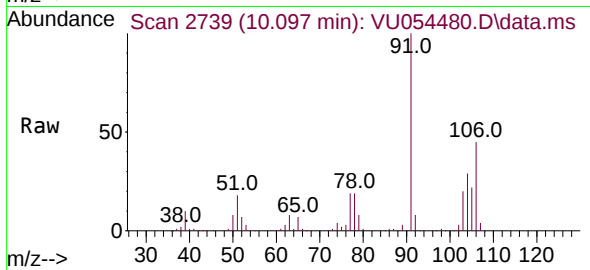




#54
o-Xylene
Concen: 5.158 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

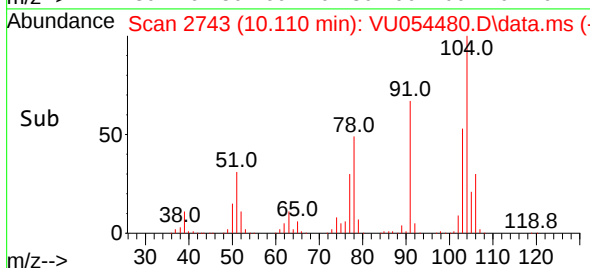
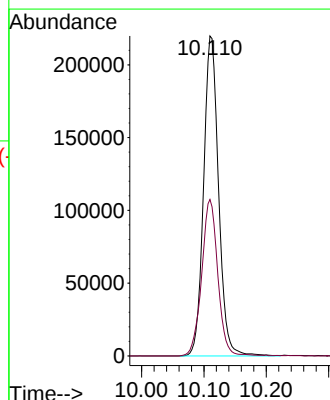
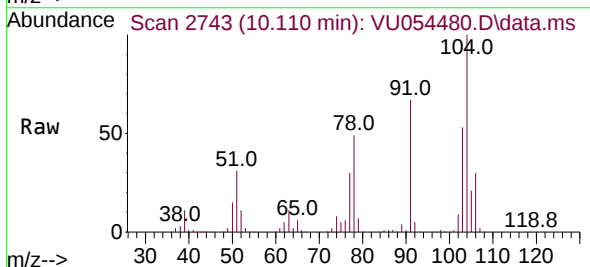
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

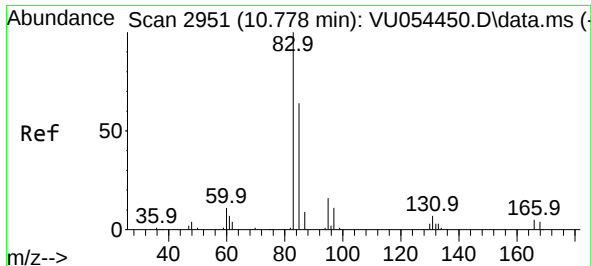
Tgt Ion:106 Resp: 218307
Ion Ratio Lower Upper
106 100
91 220.4 154.5 286.9



#55
Styrene
Concen: 5.175 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion:104 Resp: 367630
Ion Ratio Lower Upper
104 100
78 48.9 33.0 61.4



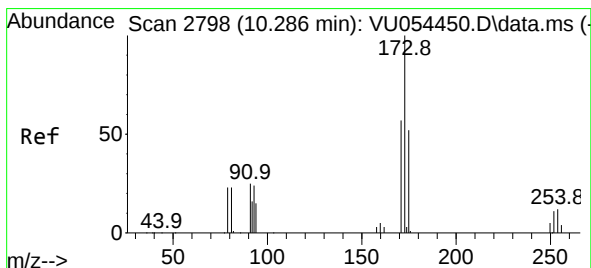
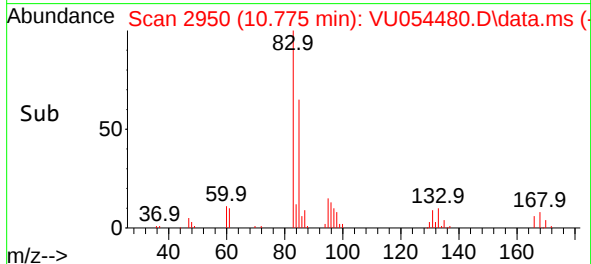
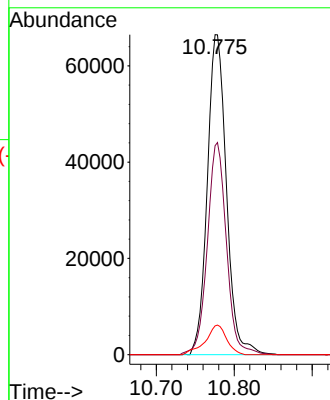
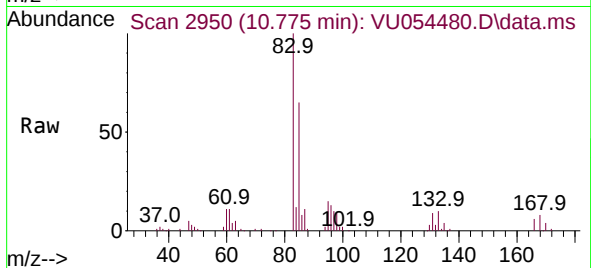


#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.900 ug/L
 RT: 10.775 min Scan# 2951
 Delta R.T. -0.003 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005180

Tgt Ion: 83 Resp: 113416

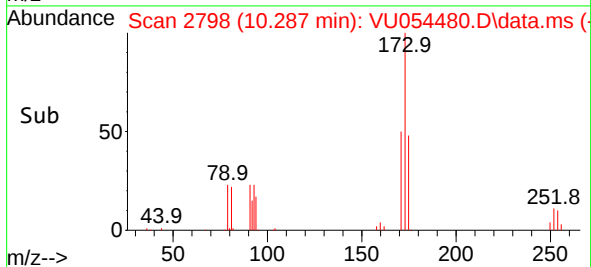
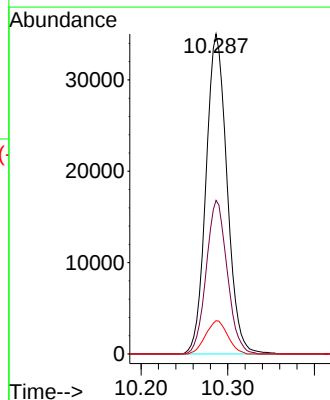
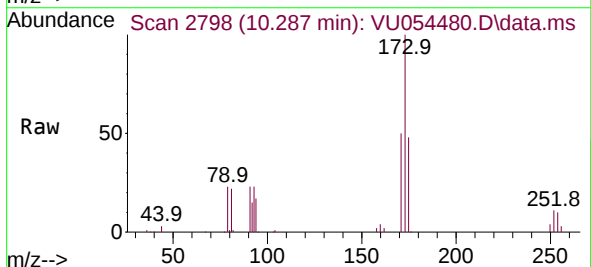
Ion	Ratio	Lower	Upper
83	100		
85	65.3	44.2	82.2
131	9.0	7.0	10.6

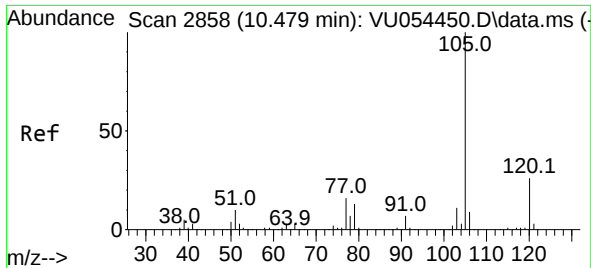


#59
 Bromoform
 Concen: 5.235 ug/L
 RT: 10.287 min Scan# 2798
 Delta R.T. 0.000 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

Tgt Ion: 173 Resp: 59095

Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.4	59.0
254	10.9	8.6	12.8

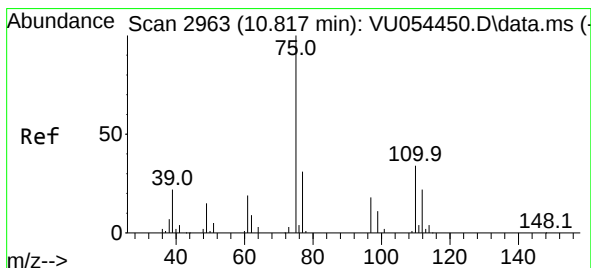
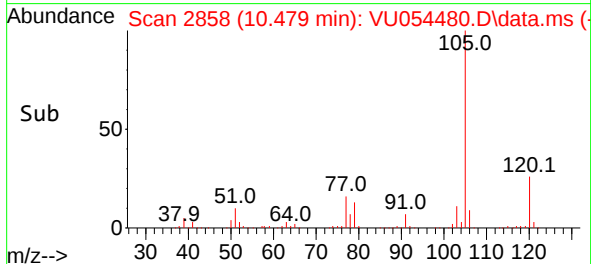
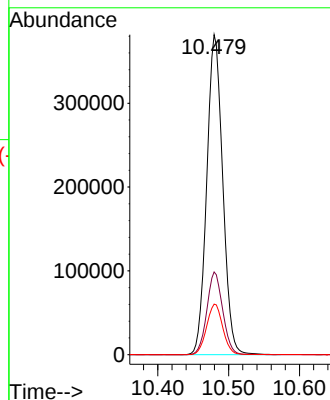
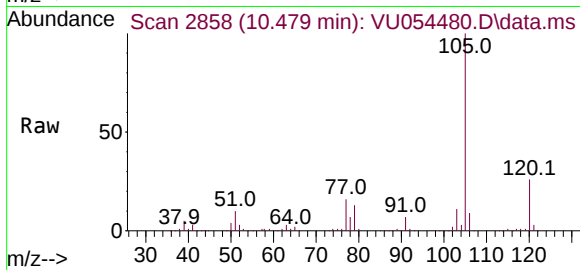




#60
Isopropylbenzene
Concen: 5.196 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

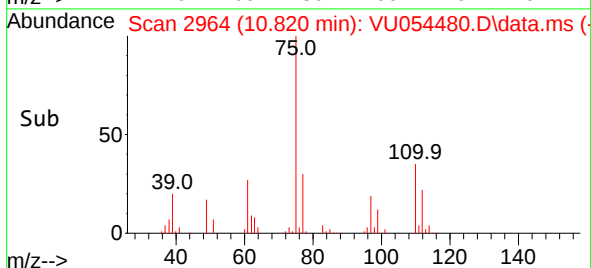
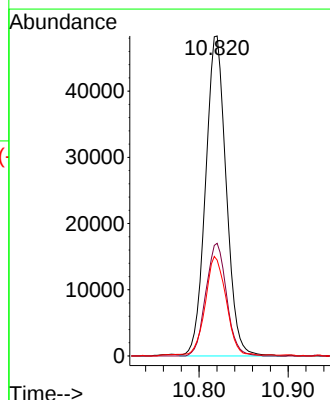
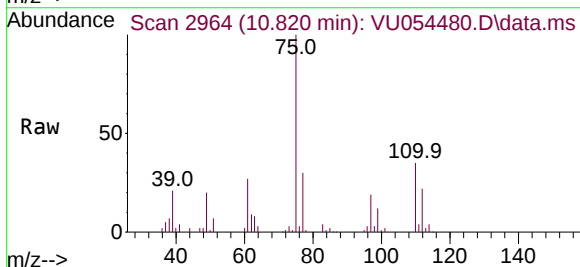
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

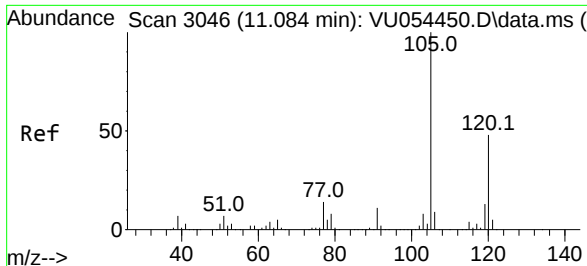
Tgt Ion:105 Resp: 597742
Ion Ratio Lower Upper
105 100
120 25.6 20.9 31.3
77 16.0 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.892 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion: 75 Resp: 77738
Ion Ratio Lower Upper
75 100
110 35.4 28.0 42.0
77 32.1 25.4 38.2

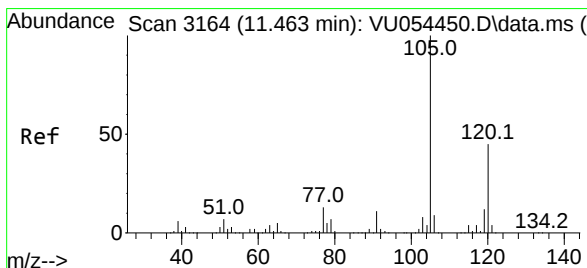
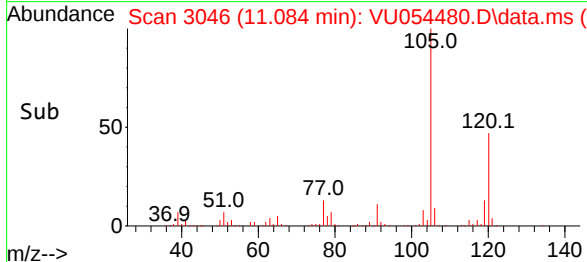
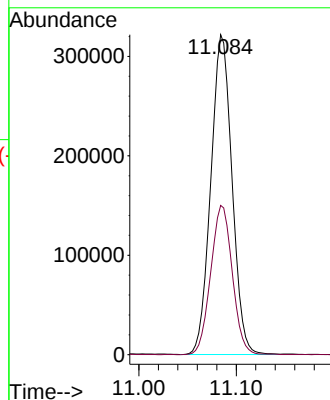
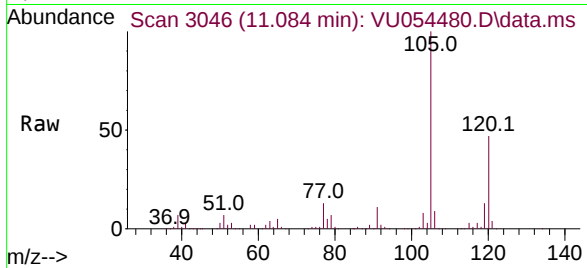




#62
 1,3,5-Trimethylbenzene
 Concen: 5.182 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

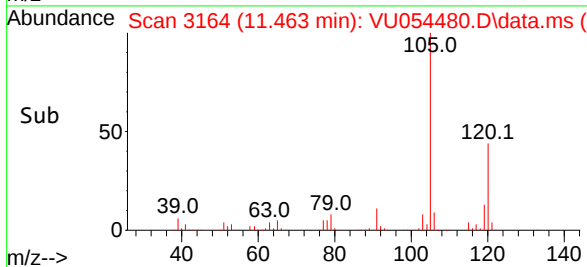
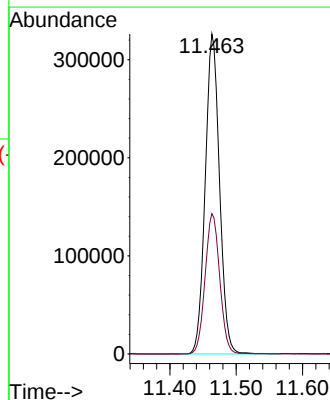
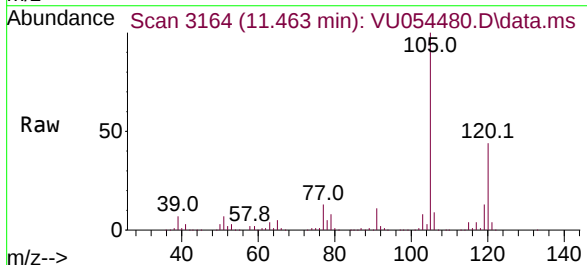
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005180

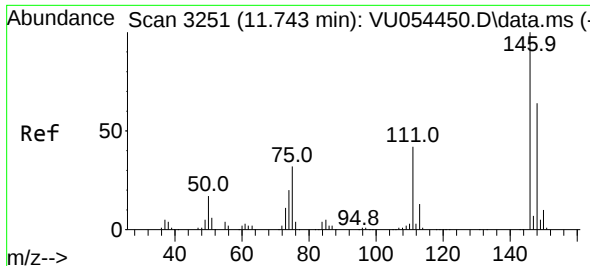
Tgt Ion:105 Resp: 486405
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 5.132 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU054480.D
 Acq: 12 Jun 2023 12:08

Tgt Ion:105 Resp: 489195
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.4 53.0

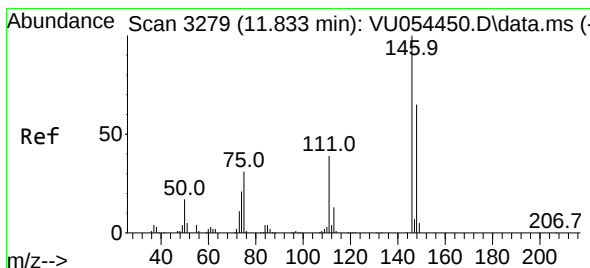
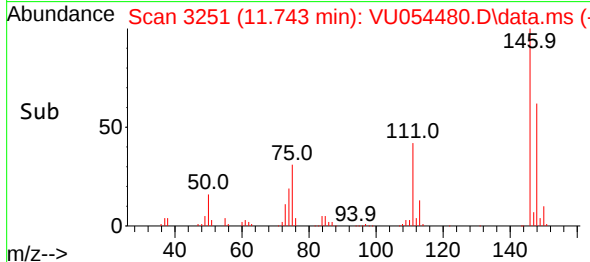
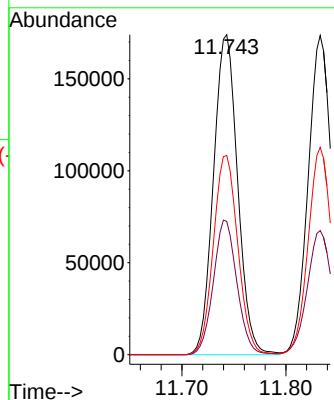
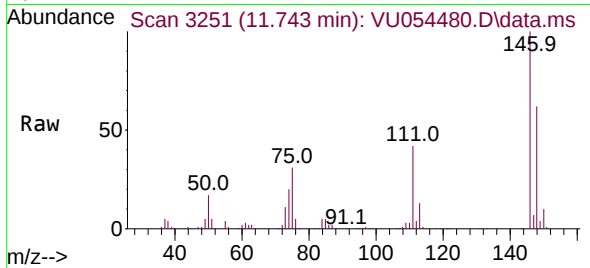




#64
1,3-Dichlorobenzene
Concen: 5.239 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

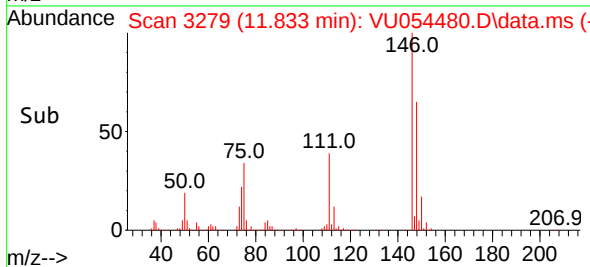
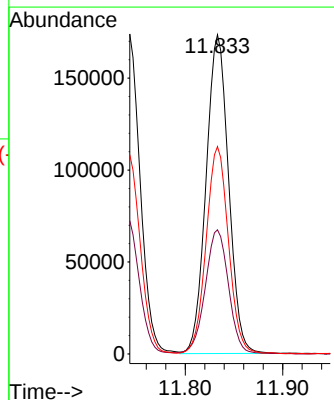
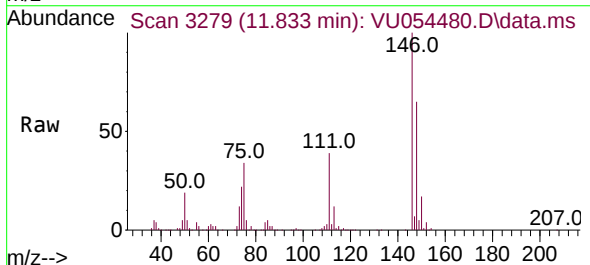
Instrument :
MSVOA_U
ClientSampleId :
VSTD005180

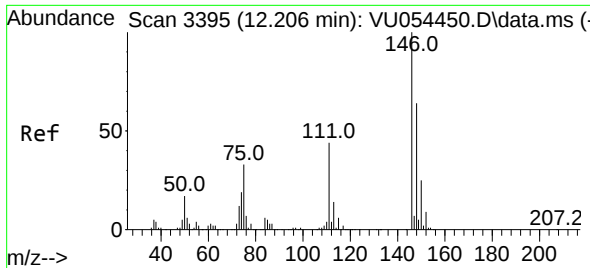
Tgt Ion:146 Resp: 281721
Ion Ratio Lower Upper
146 100
111 41.6 28.9 53.7
148 62.2 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.144 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054480.D
Acq: 12 Jun 2023 12:08

Tgt Ion:146 Resp: 277613
Ion Ratio Lower Upper
146 100
111 38.9 28.0 52.0
148 65.0 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.130 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005180

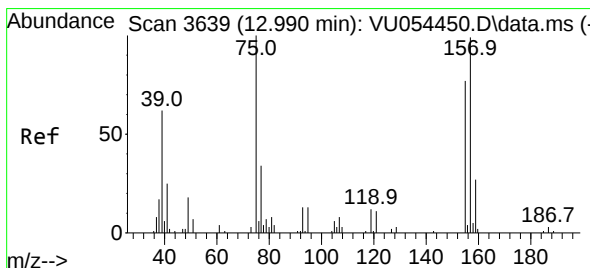
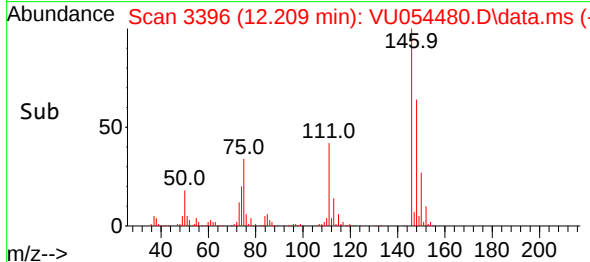
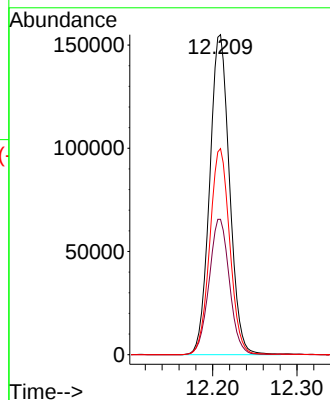
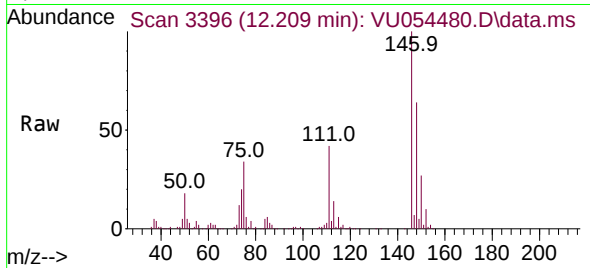
Tgt Ion:146 Resp: 253688

Ion Ratio Lower Upper

146 100

111 42.3 34.5 51.7

148 64.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.070 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

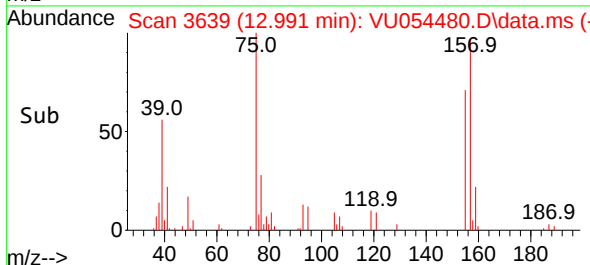
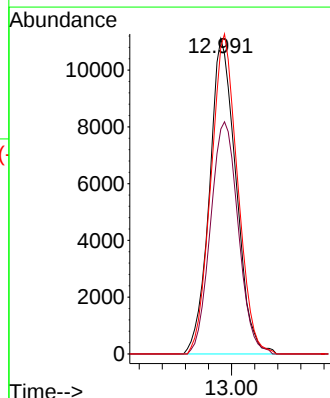
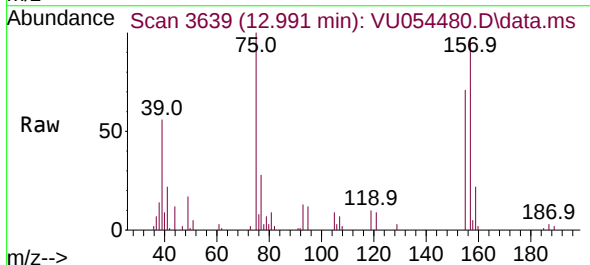
Tgt Ion: 75 Resp: 17704

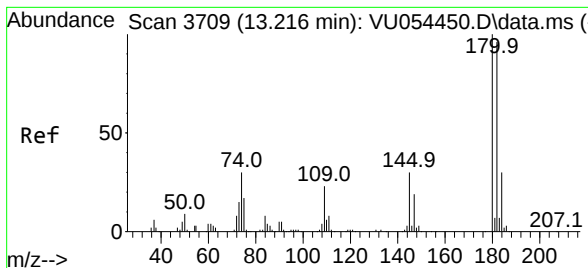
Ion Ratio Lower Upper

75 100

155 71.4 65.7 98.5

157 97.5 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 5.284 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005180

Tgt Ion:180 Resp: 214389

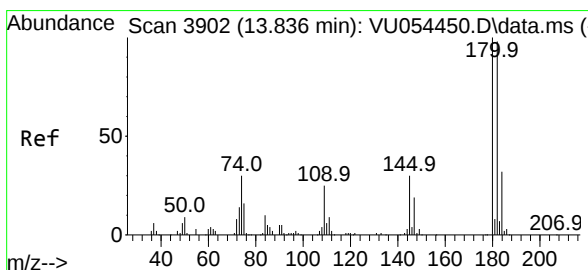
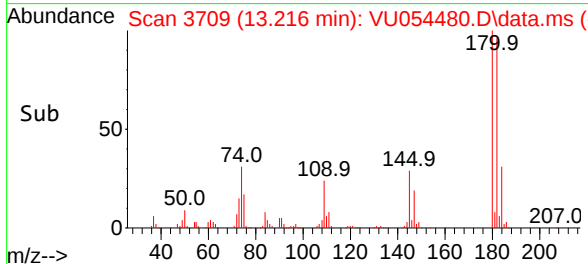
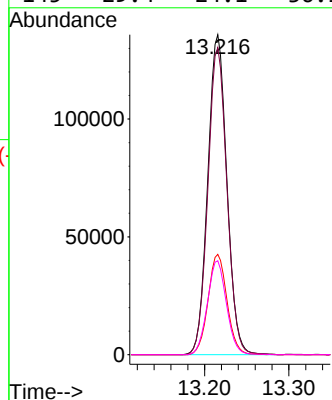
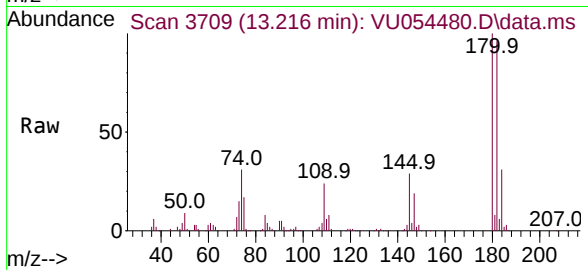
Ion Ratio Lower Upper

180 100

182 95.6 75.0 112.6

184 31.2 24.1 36.1

145 29.4 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.286 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

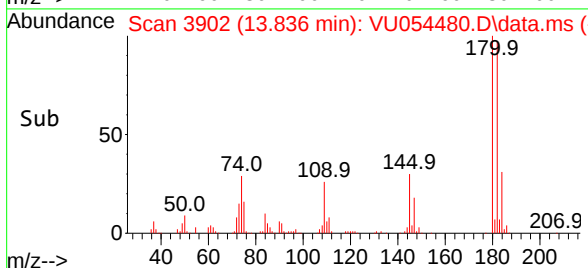
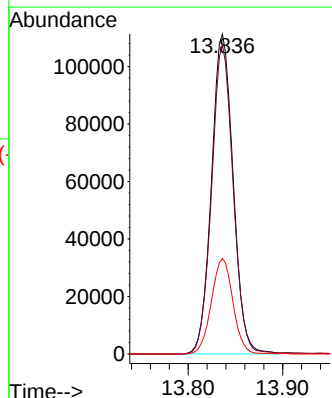
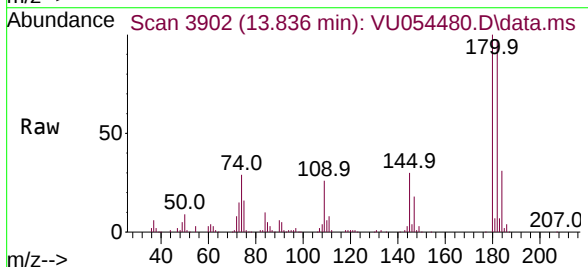
Tgt Ion:180 Resp: 177335

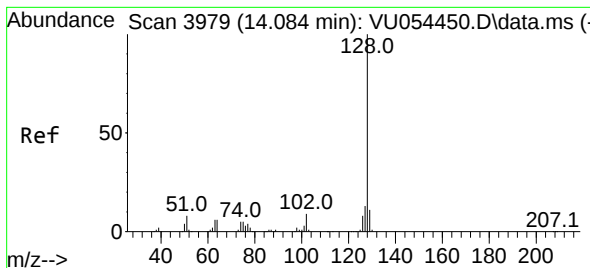
Ion Ratio Lower Upper

180 100

182 96.0 76.6 114.8

145 29.7 24.0 36.0





#71

Naphthalene

Concen: 5.023 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005180

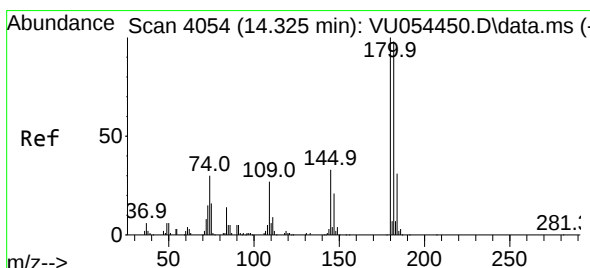
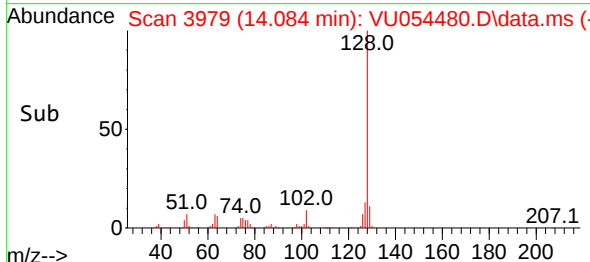
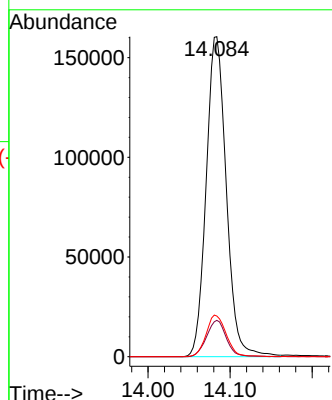
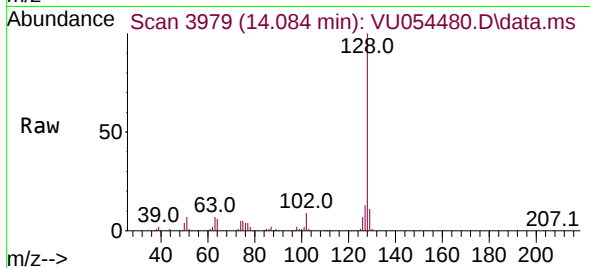
Tgt Ion:128 Resp: 274028

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 12.9 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.391 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU054480.D

Acq: 12 Jun 2023 12:08

Tgt Ion:180 Resp: 155373

Ion Ratio Lower Upper

180 100

182 96.1 75.4 113.2

145 31.4 26.0 39.0

