

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061323\
 Data File : VU054498.D
 Acq On : 13 Jun 2023 09:32
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005182

Quant Time: Jun 14 00:03:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 13 02:28:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	293789	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	281170	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	145453	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	86950	4.650	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.000%
7) Chloroethane-d5	1.914	69	97919	5.594	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.800%
11) 1,1-Dichloroethene-d2	2.567	65	41136	4.926	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.600%
20) 2-Butanone-d5	4.634	46	276905	52.675	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.360%
24) Chloroform-d	5.058	84	205562	5.260	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.200%
26) 1,2-Dichloroethane-d4	5.698	65	99924	5.245	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.724	84	401023	5.131	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	6.689	67	132765	5.086	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.894	98	354393	5.109	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
43) trans-1,3-Dichloroprop...	8.177	79	42964	4.733	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.631	63	184856	48.542	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.080%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	98901	5.081	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	126613	5.161	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	139838	5.094	ug/L	99
3) Chloromethane	1.518	50	157426	4.992	ug/L	99
5) Vinyl chloride	1.605	62	164569	5.084	ug/L	99
6) Bromomethane	1.859	94	93322	5.244	ug/L	96
8) Chloroethane	1.933	64	102462	5.281	ug/L	98
9) Trichlorofluoromethane	2.139	101	212191	5.332	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	123748	5.316	ug/L	97
12) 1,1-Dichloroethene	2.579	96	110009	5.163	ug/L	95
13) Acetone	2.650	43	266339	53.735	ug/L	98
14) Carbon disulfide	2.792	76	324202	5.131	ug/L	99
15) Methyl Acetate	2.959	43	47163	5.135	ug/L	99
16) Methylene chloride	3.046	84	128710	4.295	ug/L	100
17) Methyl tert-butyl Ether	3.361	73	267742	5.091	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	113763	5.171	ug/L	97
19) 1,1-Dichloroethane	3.866	63	237600	5.219	ug/L	100
21) 2-Butanone	4.711	43	352142	54.743	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	129686	5.176	ug/L	98
23) Bromochloromethane	4.972	128	55301	5.304	ug/L	93
25) Chloroform	5.084	83	237352	5.288	ug/L	99

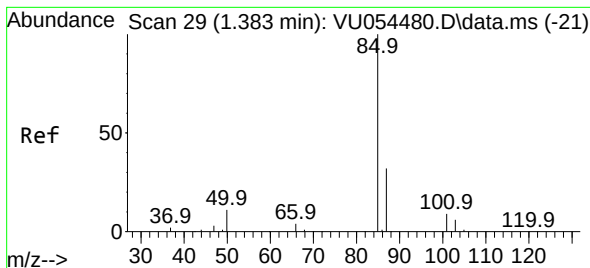
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061323\
 Data File : VU054498.D
 Acq On : 13 Jun 2023 09:32
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005182

Quant Time: Jun 14 00:03:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 13 02:28:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	140306	5.333	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	198252	5.200	ug/L	100
30) Cyclohexane	5.383	56	202727	4.882	ug/L	100
31) Carbon tetrachloride	5.521	117	171853	5.231	ug/L	100
33) Benzene	5.772	78	507632	5.023	ug/L	100
34) Trichloroethene	6.541	95	132566	4.961	ug/L	98
35) Methylcyclohexane	6.759	83	200322	4.960	ug/L	99
37) 1,2-Dichloropropane	6.788	63	136139	4.983	ug/L	100
38) Bromodichloromethane	7.103	83	160821	5.200	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	194084	5.203	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	738834	50.672	ug/L	100
42) Toluene	7.965	91	543519	5.223	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	158677	5.242	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	92155	5.302	ug/L	98
47) Tetrachloroethene	8.550	164	101961	4.985	ug/L	99
48) 2-Hexanone	8.682	43	562083	51.737	ug/L	99
49) Dibromochloromethane	8.804	129	99366	5.444	ug/L	97
50) 1,2-Dibromoethane	8.920	107	82827	5.190	ug/L	98
51) Chlorobenzene	9.444	112	331105	5.104	ug/L	100
52) Ethylbenzene	9.566	91	581804	5.119	ug/L	100
53) m,p-Xylene	9.692	106	222254	5.323	ug/L	99
54) o-Xylene	10.097	106	209837	5.197	ug/L	97
55) Styrene	10.110	104	362540	5.350	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	113158	5.125	ug/L	100
59) Bromoform	10.287	173	60713	5.814	ug/L	98
60) Isopropylbenzene	10.479	105	569863	5.356	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	78731	5.356	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	461079	5.311	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	464933	5.273	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	272382	5.477	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	266610	5.341	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	244759	5.351	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	17349	5.371	ug/L	93
69) 1,3,5-Trichlorobenzene	13.212	180	202228	5.389	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	156800	5.053	ug/L	100
71) Naphthalene	14.081	128	221695	4.394	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	131942	4.949	ug/L	97

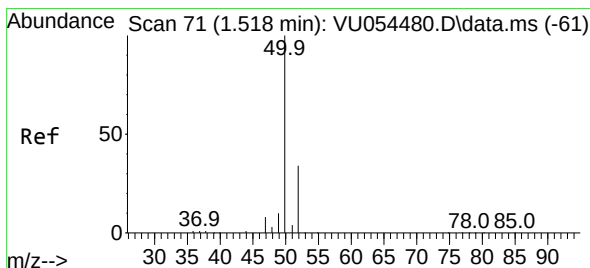
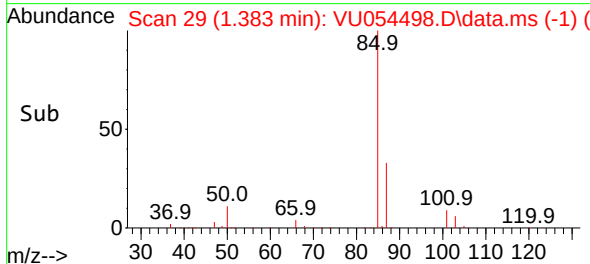
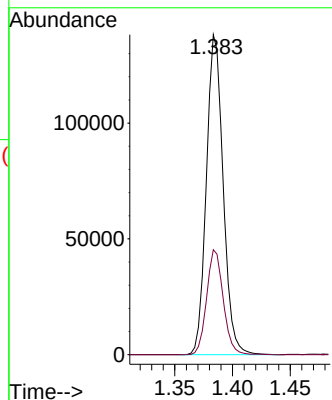
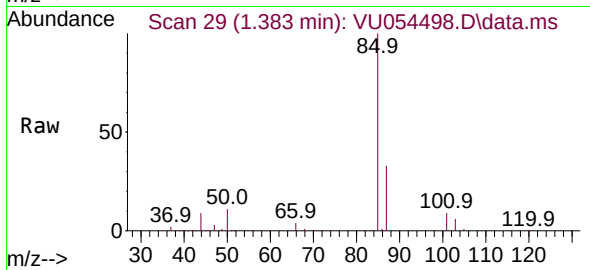
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.094 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054498.D
 Acq: 13 Jun 2023 09:32

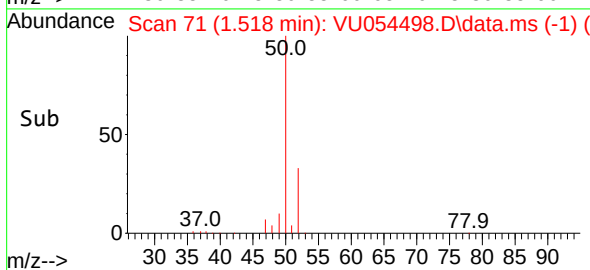
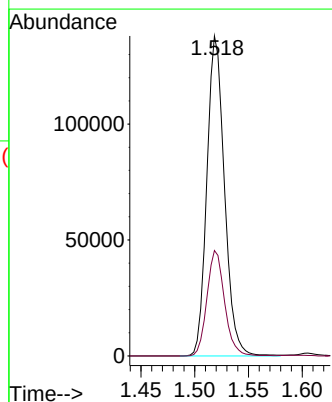
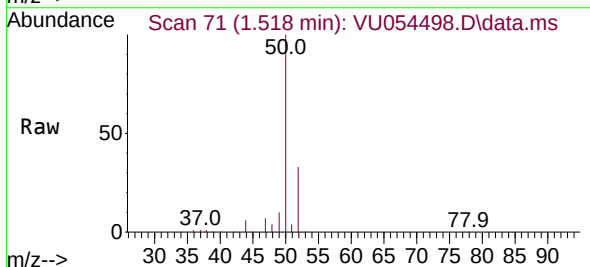
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005182

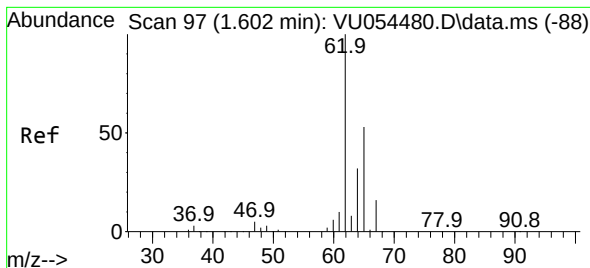
Tgt Ion: 85 Resp: 139838
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.4 38.2



#3
 Chloromethane
 Concen: 4.992 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054498.D
 Acq: 13 Jun 2023 09:32

Tgt Ion: 50 Resp: 157426
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.4 43.4





#5

Vinyl chloride

Concen: 5.084 ug/L

RT: 1.605 min Scan# 97

Delta R.T. 0.003 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

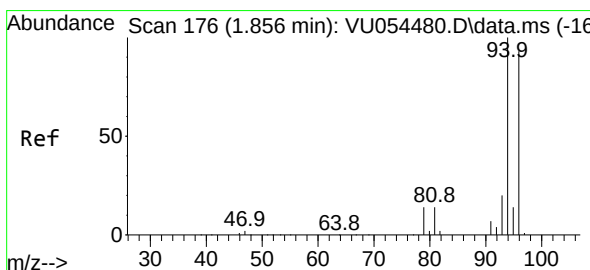
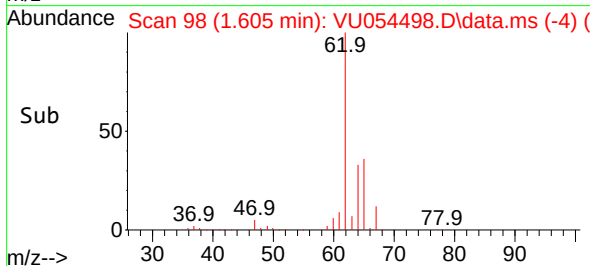
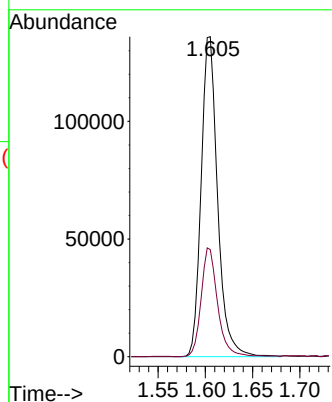
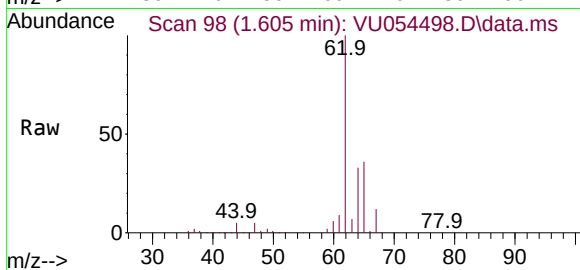
VSTD005182

Tgt Ion: 62 Resp: 164569

Ion Ratio Lower Upper

62 100

64 33.5 23.0 42.6



#6

Bromomethane

Concen: 5.244 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.003 min

Lab File: VU054498.D

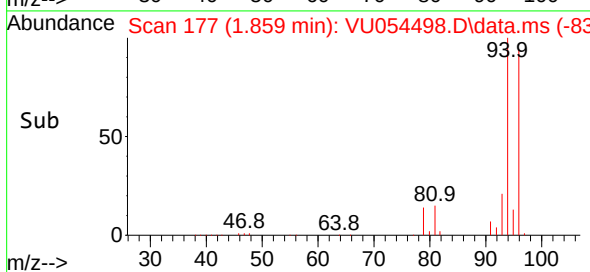
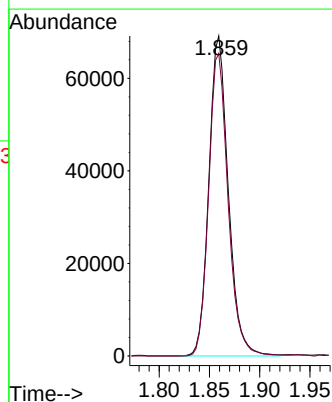
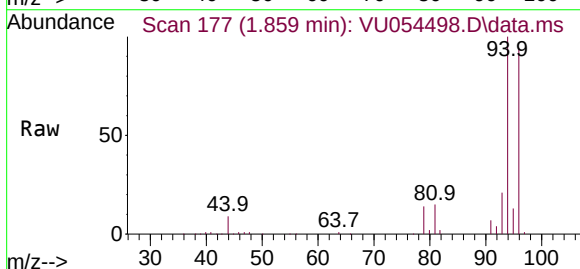
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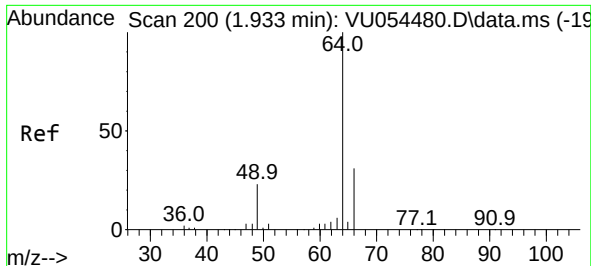
Tgt Ion: 94 Resp: 93322

Ion Ratio Lower Upper

94 100

96 94.5 63.6 118.2

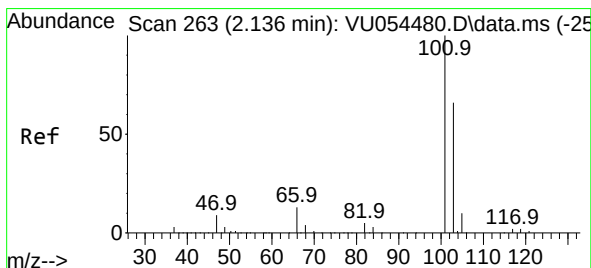
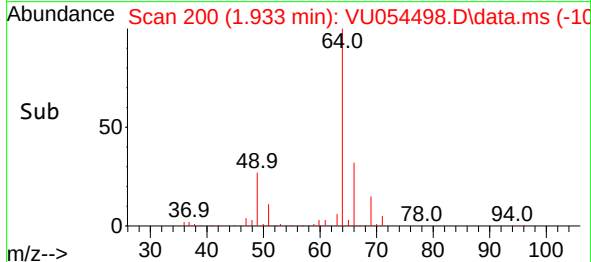
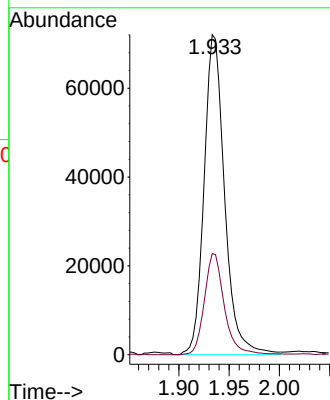
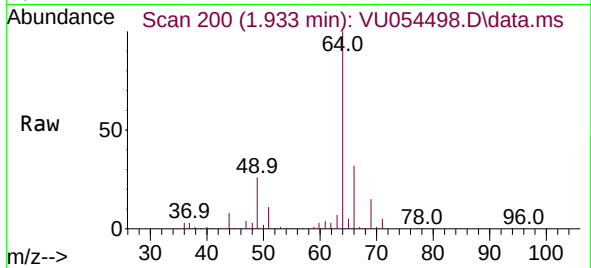




#8
Chloroethane
Concen: 5.281 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

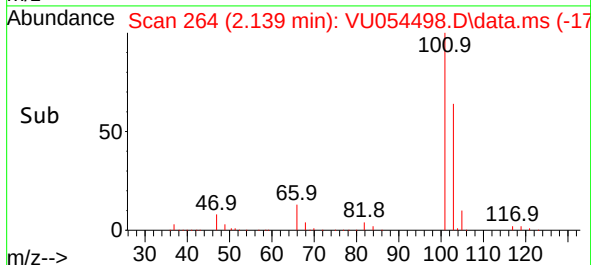
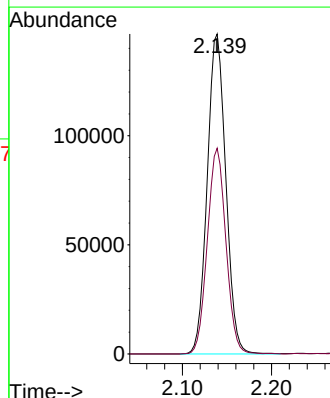
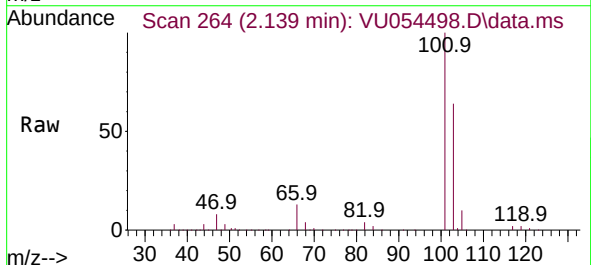
Instrument :
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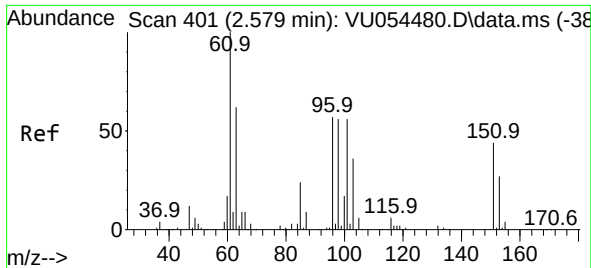
Tgt Ion: 64 Resp: 102462
Ion Ratio Lower Upper
64 100
66 31.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.332 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.003 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 101 Resp: 212191
Ion Ratio Lower Upper
101 100
103 64.3 50.6 75.8

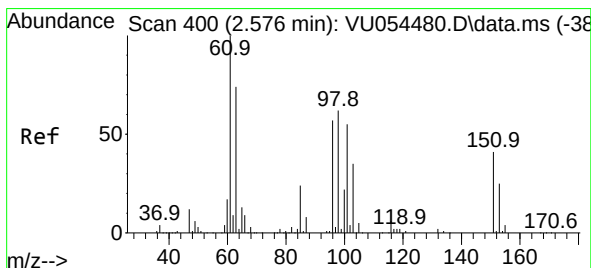
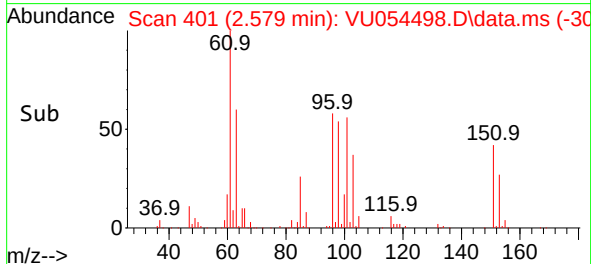
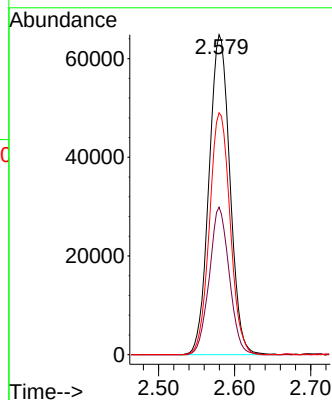
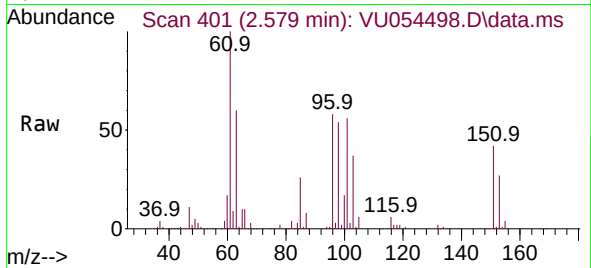




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.316 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

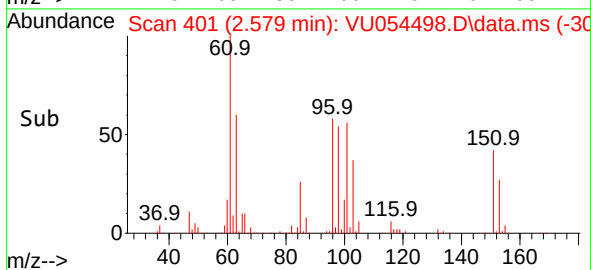
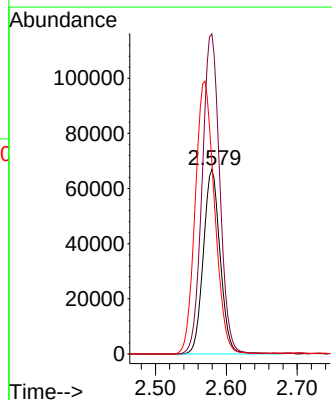
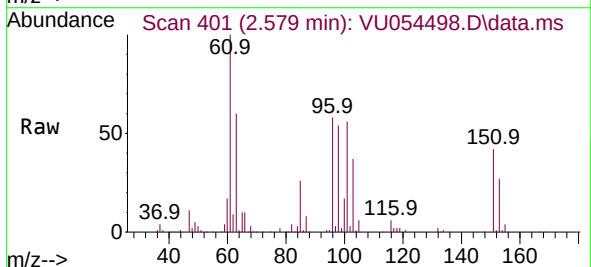
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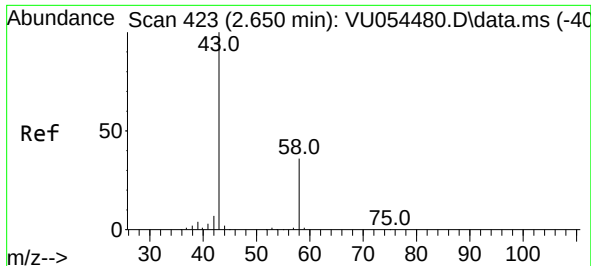
Tgt Ion:101 Resp: 123748
Ion Ratio Lower Upper
101 100
85 44.0 34.6 51.8
151 74.8 57.7 86.5



#12
1,1-Dichloroethene
Concen: 5.163 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 96 Resp: 110009
Ion Ratio Lower Upper
96 100
61 173.4 119.9 222.7
63 103.9 64.3 119.3





#13

Acetone

Concen: 53.735 ug/L

RT: 2.650 min Scan# 423

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

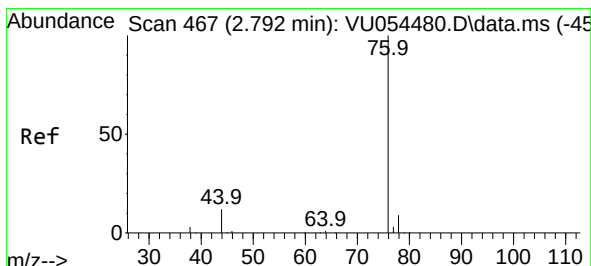
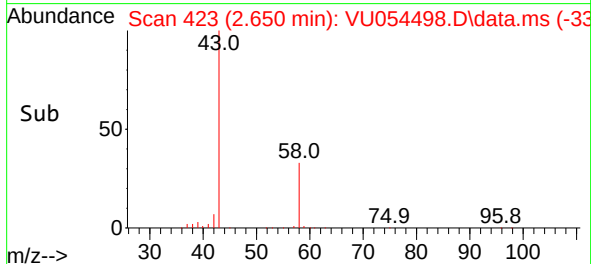
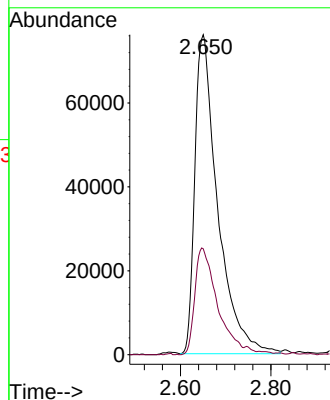
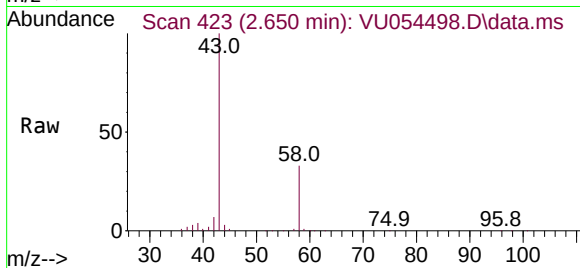
VSTD005182

Tgt Ion: 43 Resp: 266339

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.2



#14

Carbon disulfide

Concen: 5.131 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054498.D

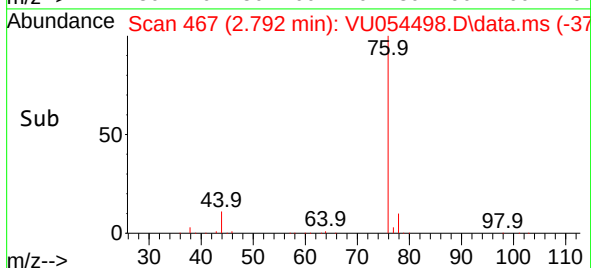
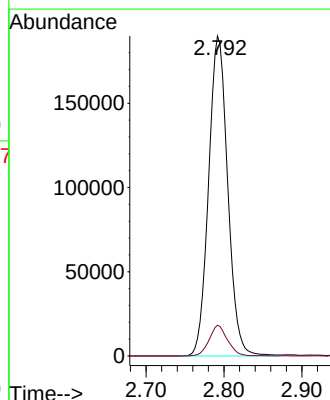
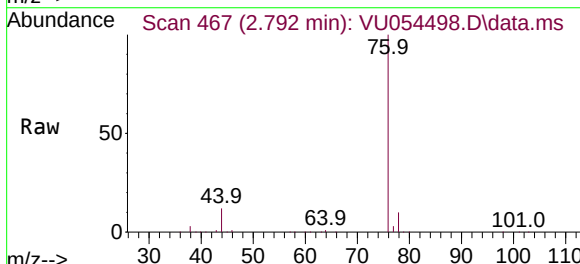
Acq: 13 Jun 2023 09:32

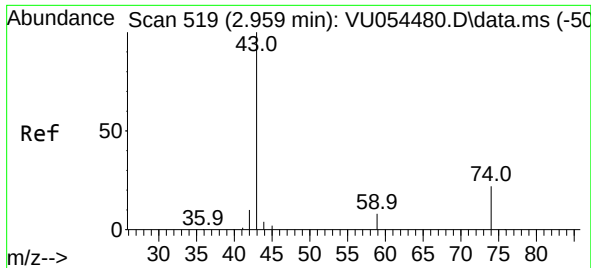
Tgt Ion: 76 Resp: 324202

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

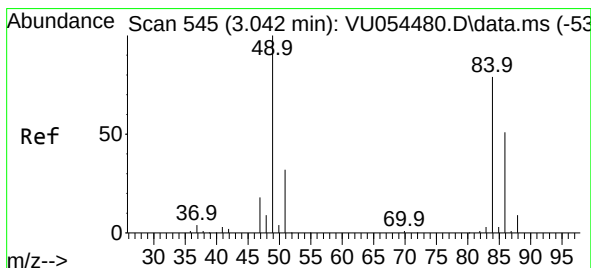
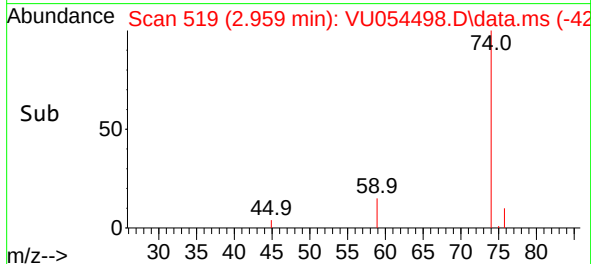
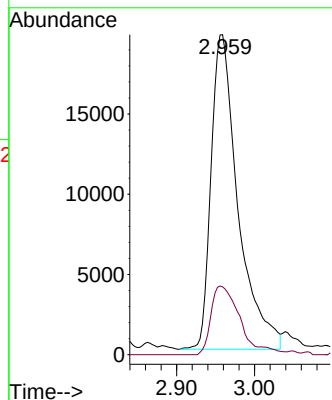
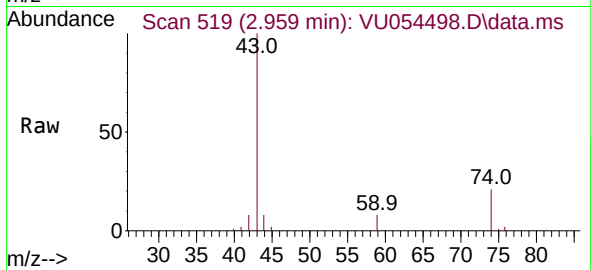




#15
Methyl Acetate
Concen: 5.135 ug/L
RT: 2.959 min Scan# 519
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

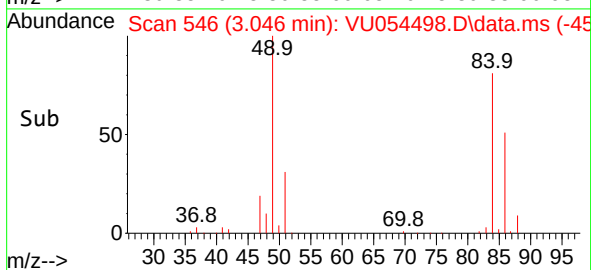
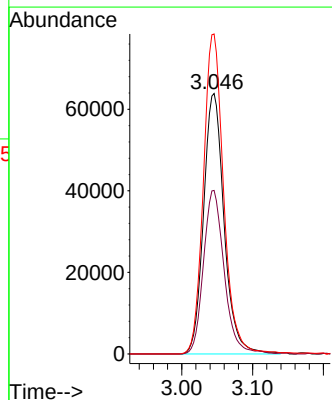
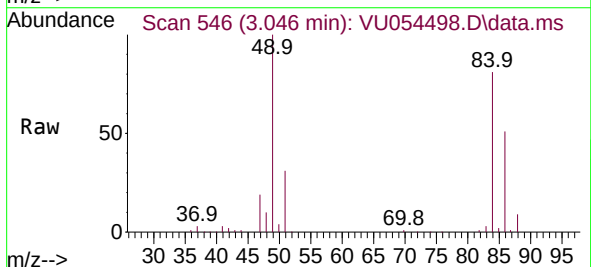
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

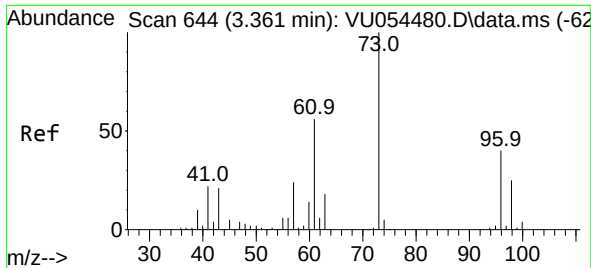
Tgt Ion: 43 Resp: 47163
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.6



#16
Methylene chloride
Concen: 4.295 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 84 Resp: 128710
Ion Ratio Lower Upper
84 100
86 62.8 43.9 81.5
49 122.8 86.1 159.9

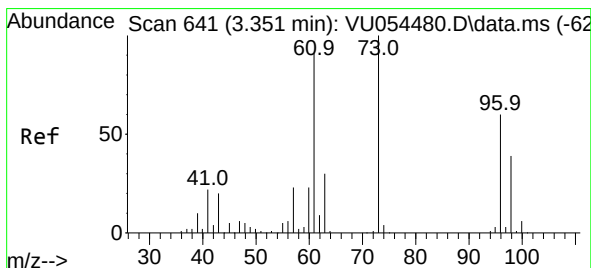
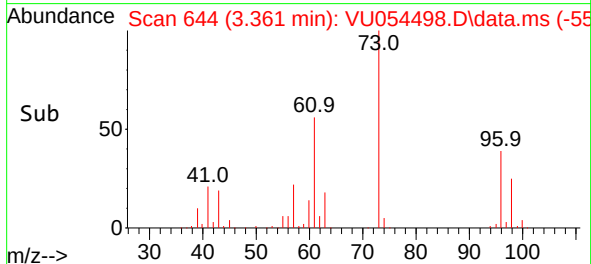
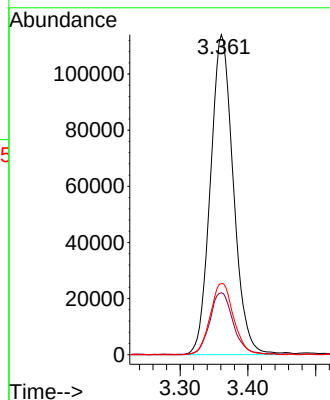
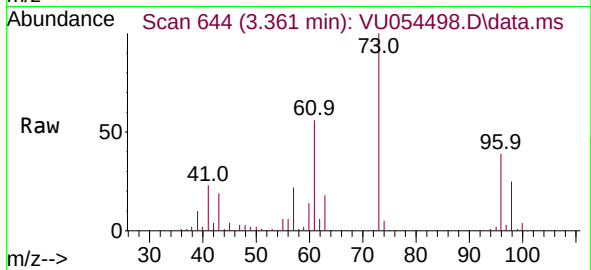




#17
Methyl tert-butyl Ether
Concen: 5.091 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

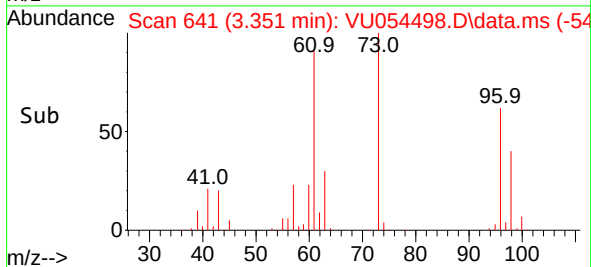
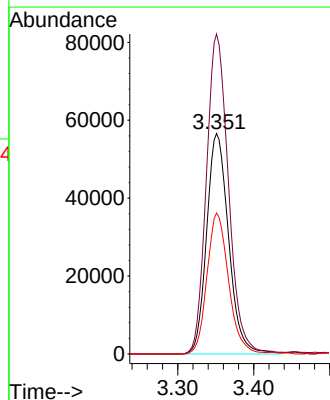
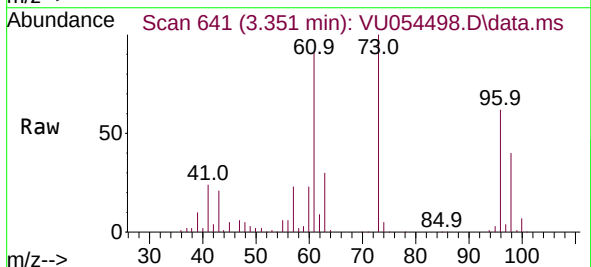
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

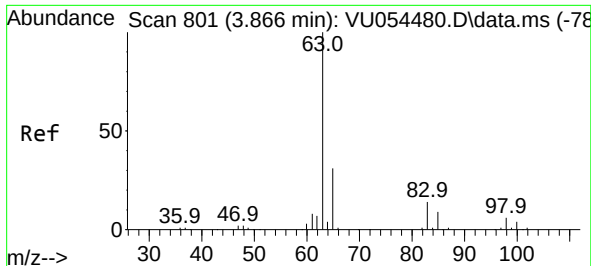
Tgt Ion: 73 Resp: 267742
Ion Ratio Lower Upper
73 100
43 19.5 15.7 23.5
57 22.9 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.171 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 96 Resp: 113763
Ion Ratio Lower Upper
96 100
61 145.1 104.6 194.2
98 63.9 45.4 84.4

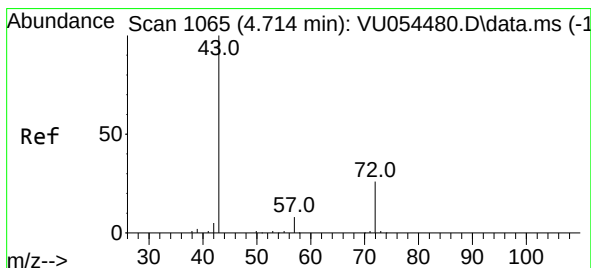
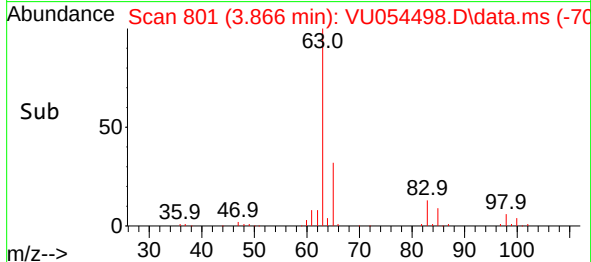
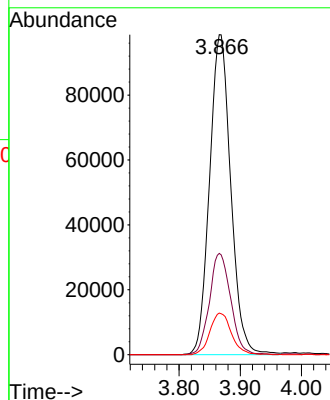
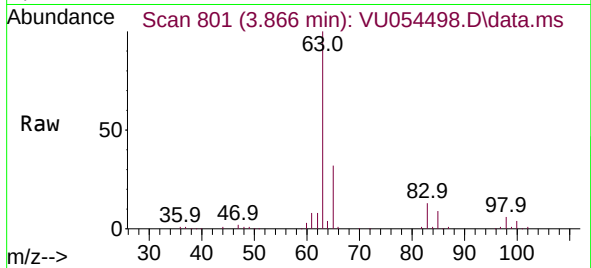




#19
1,1-Dichloroethane
Concen: 5.219 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

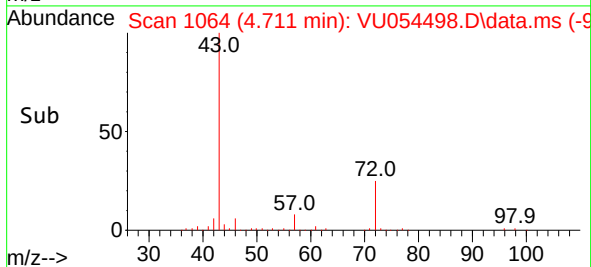
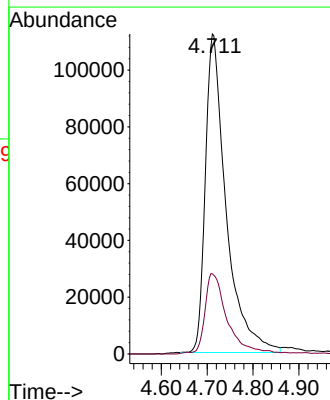
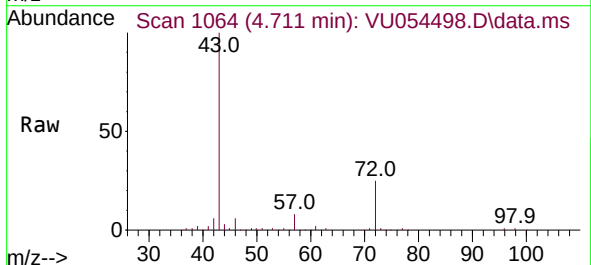
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

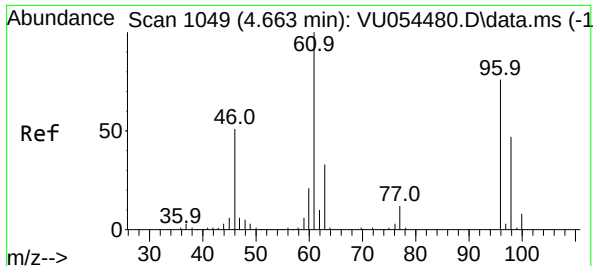
Tgt Ion: 63 Resp: 237600
Ion Ratio Lower Upper
63 100
65 31.7 22.2 41.2
83 13.0 9.0 16.6



#21
2-Butanone
Concen: 54.743 ug/L
RT: 4.711 min Scan# 1064
Delta R.T. -0.003 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 43 Resp: 352142
Ion Ratio Lower Upper
43 100
72 24.9 13.4 40.1





#22

cis-1,2-Dichloroethene

Concen: 5.176 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD005182

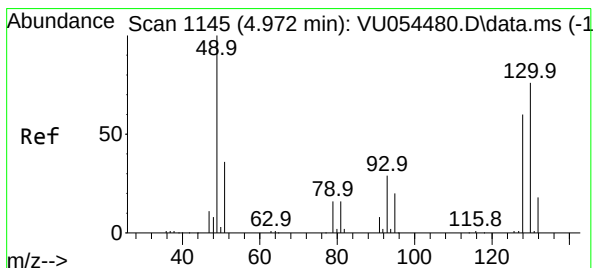
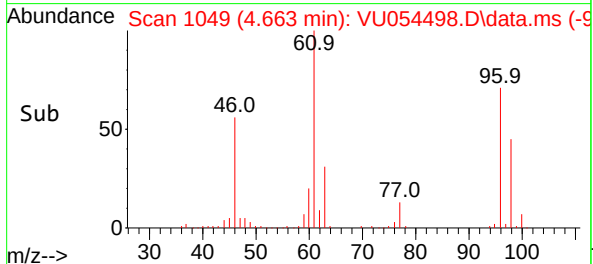
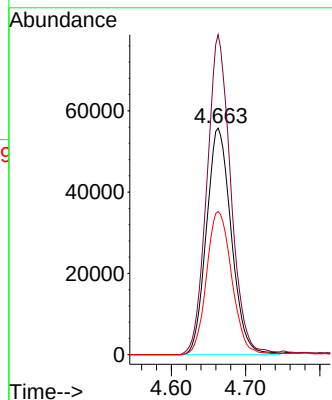
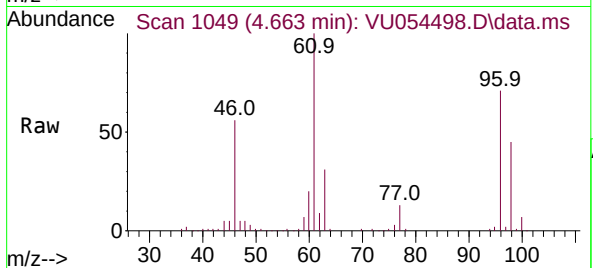
Tgt Ion: 96 Resp: 129686

Ion Ratio Lower Upper

96 100

61 141.3 96.5 179.1

98 63.2 44.9 83.3



#23

Bromochloromethane

Concen: 5.304 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Tgt Ion:128 Resp: 55301

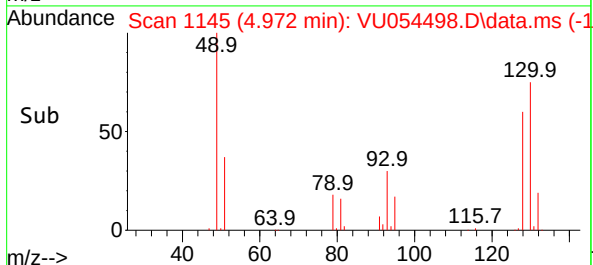
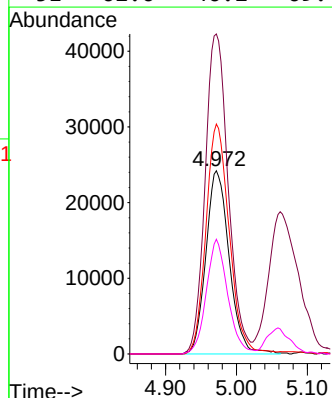
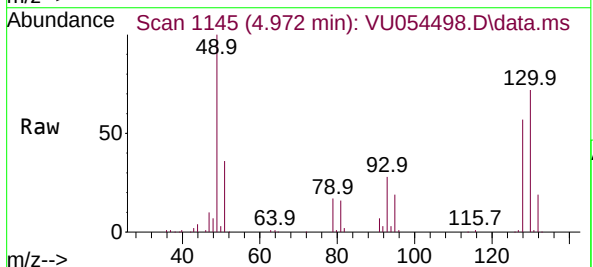
Ion Ratio Lower Upper

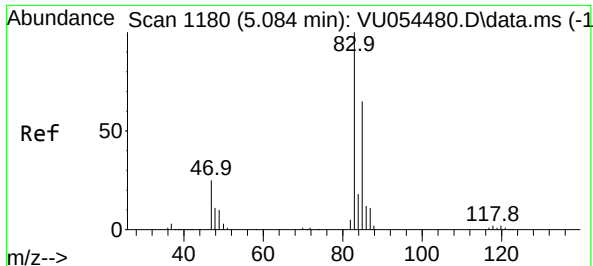
128 100

49 174.7 132.1 245.3

130 125.5 91.5 169.9

51 62.6 46.2 69.4





#25

Chloroform

Concen: 5.288 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

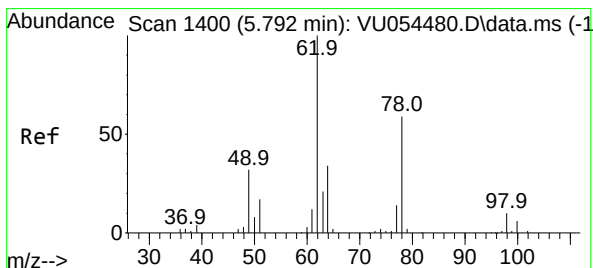
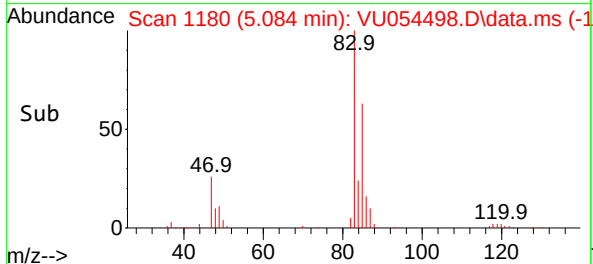
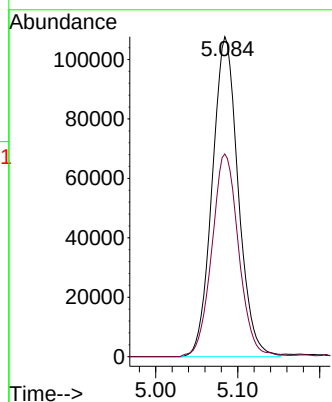
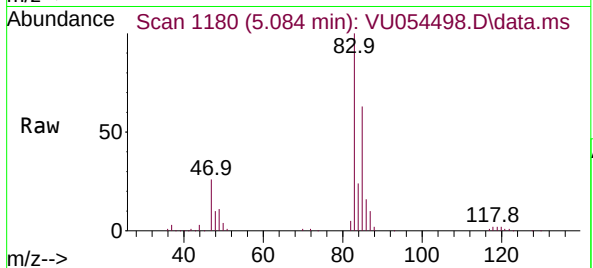
VSTD005182

Tgt Ion: 83 Resp: 237352

Ion Ratio Lower Upper

83 100

85 63.4 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.333 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU054498.D

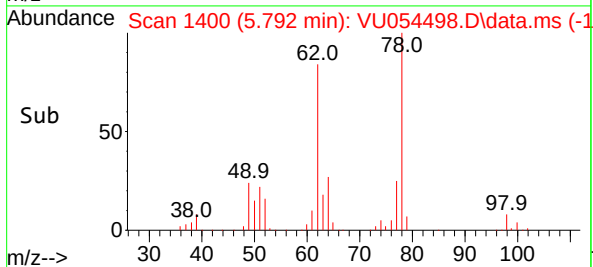
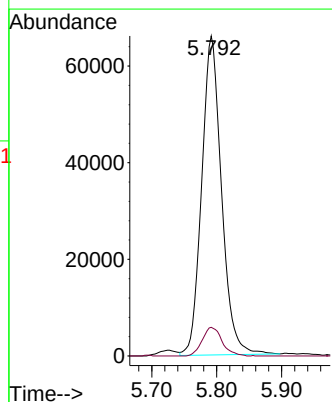
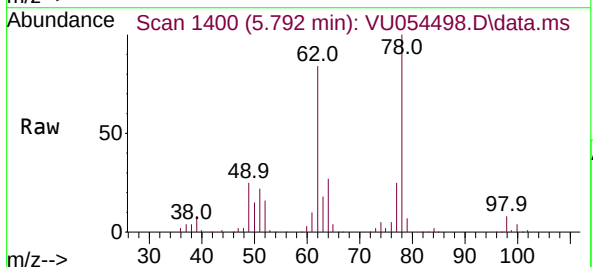
Acq: 13 Jun 2023 09:32

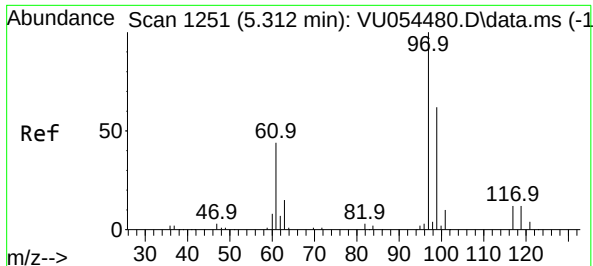
Tgt Ion: 62 Resp: 140306

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.200 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD005182

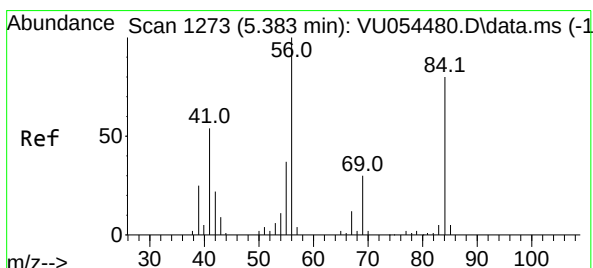
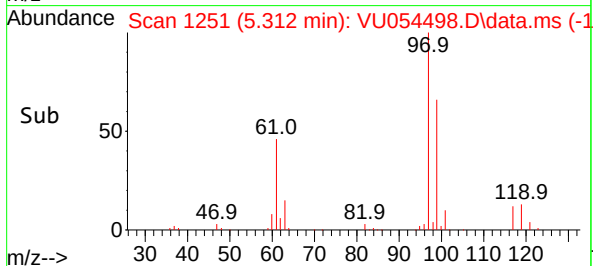
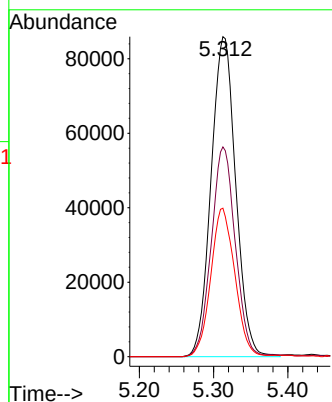
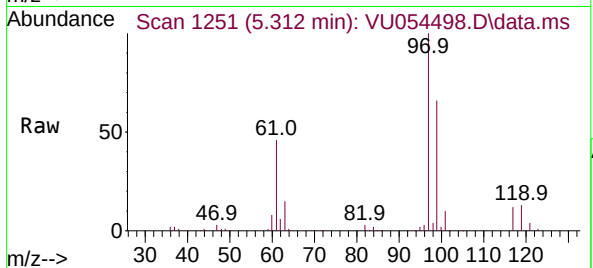
Tgt Ion: 97 Resp: 198252

Ion Ratio Lower Upper

97 100

99 63.7 50.8 76.2

61 45.2 36.1 54.1



#30

Cyclohexane

Concen: 4.882 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

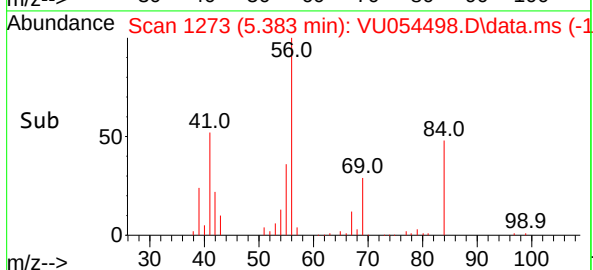
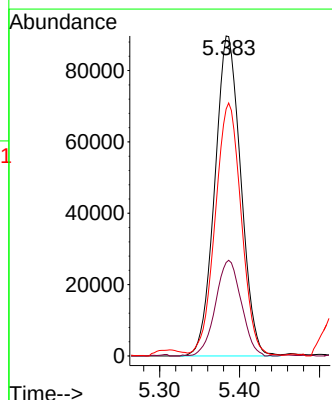
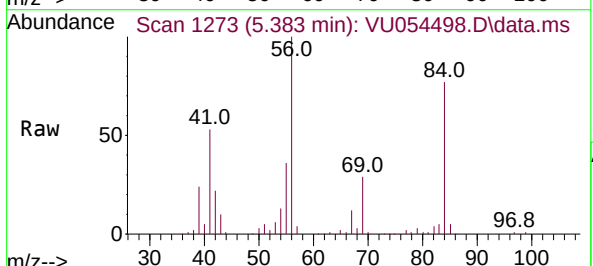
Tgt Ion: 56 Resp: 202727

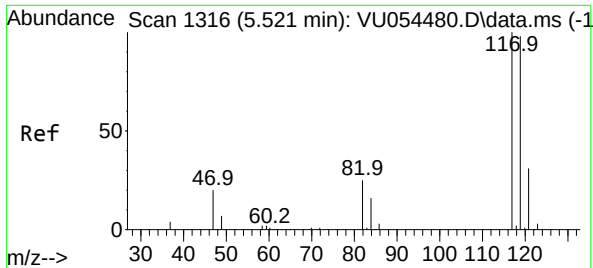
Ion Ratio Lower Upper

56 100

69 29.5 23.9 35.9

84 78.8 63.0 94.6

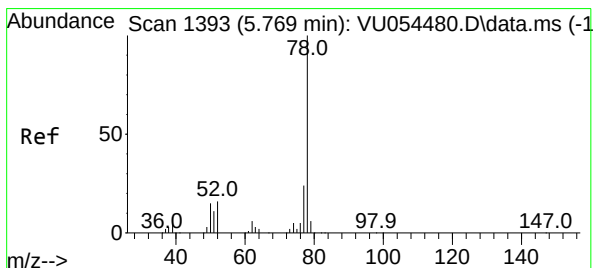
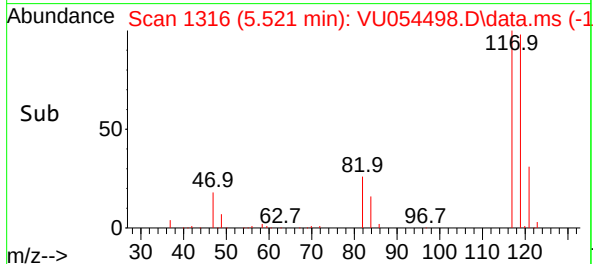
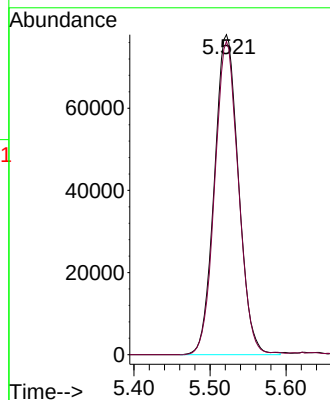
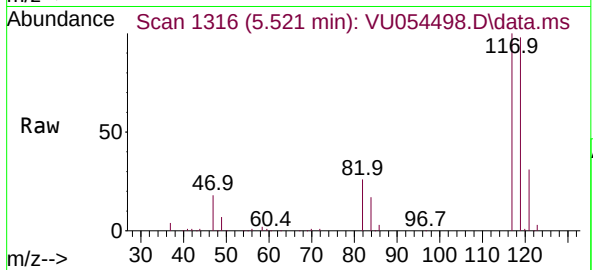




#31
Carbon tetrachloride
Concen: 5.231 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

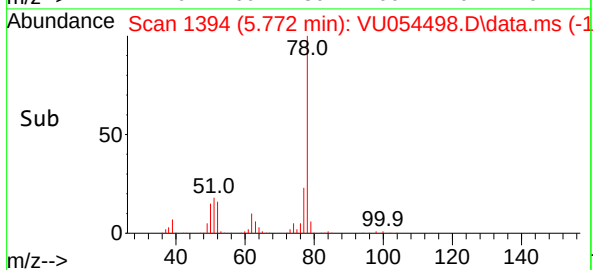
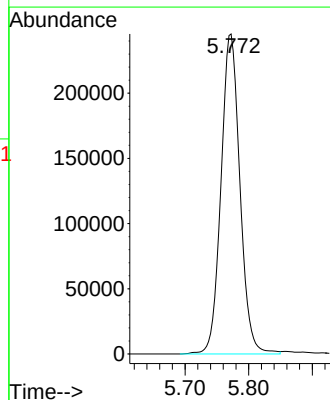
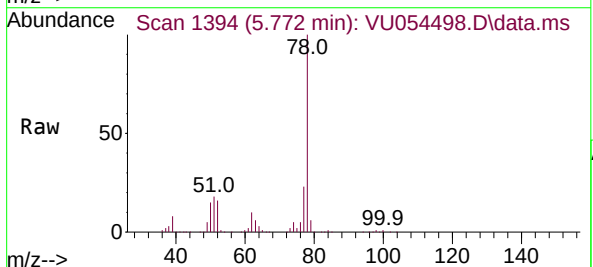
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

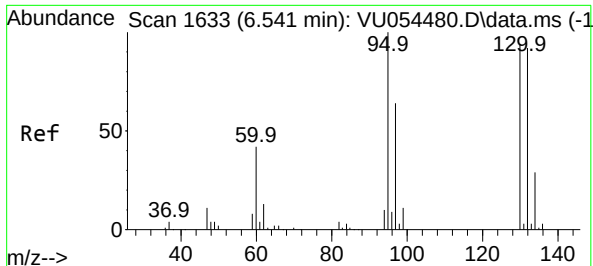
Tgt Ion:117 Resp: 171853
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2



#33
Benzene
Concen: 5.023 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 78 Resp: 507632

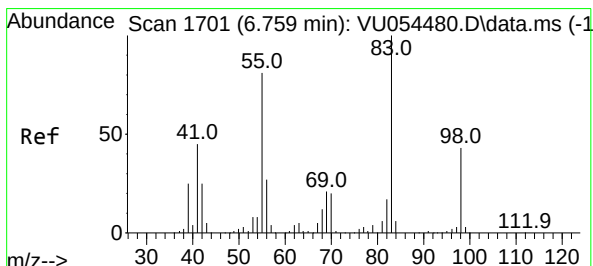
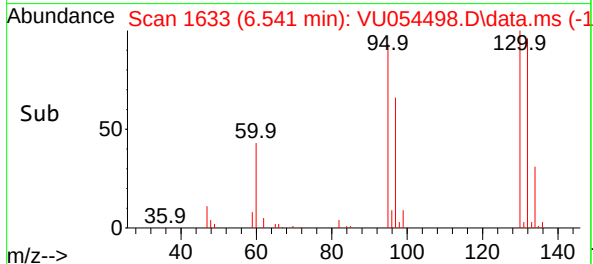
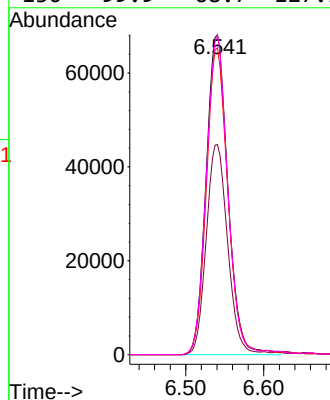
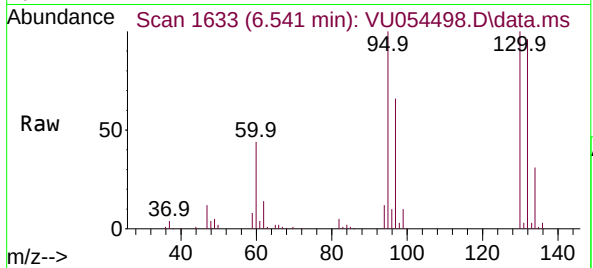




#34
Trichloroethene
Concen: 4.961 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

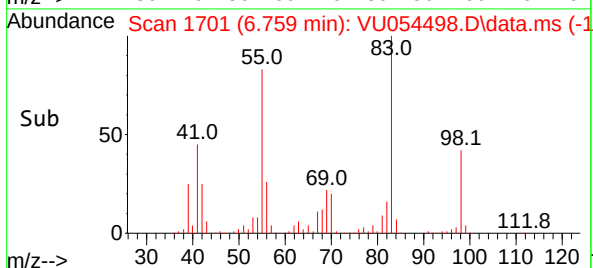
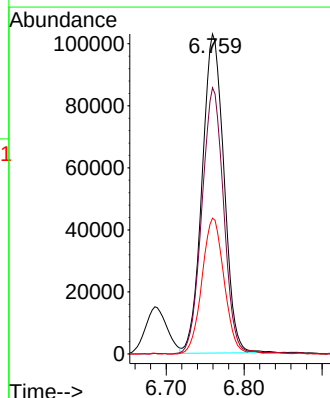
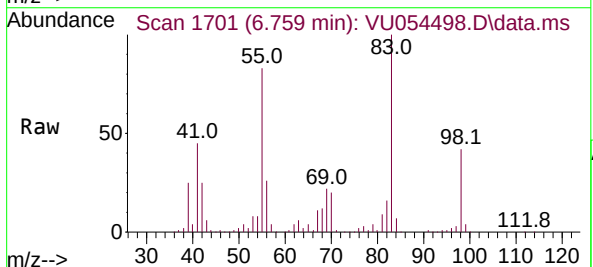
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

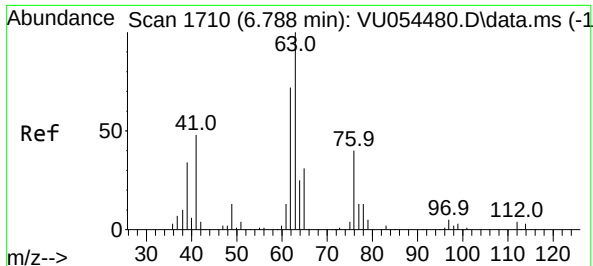
Tgt Ion: 95 Resp: 132566
Ion Ratio Lower Upper
95 100
97 65.6 46.8 87.0
132 95.9 68.4 127.0
130 99.9 68.7 127.5



#35
Methylcyclohexane
Concen: 4.960 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 83 Resp: 200322
Ion Ratio Lower Upper
83 100
55 83.3 67.1 100.7
98 43.0 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.983 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

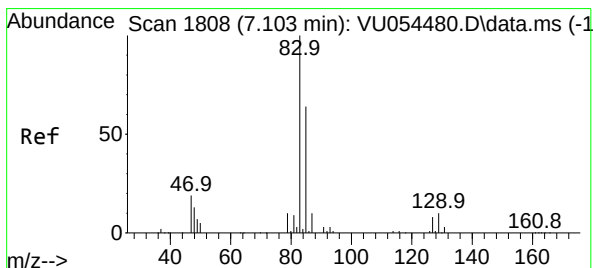
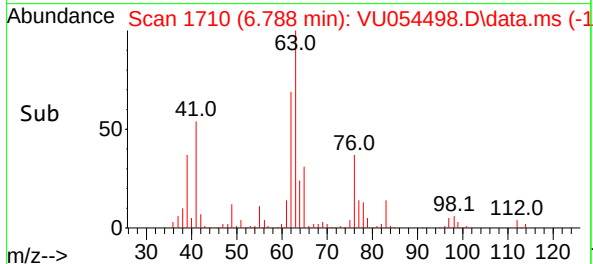
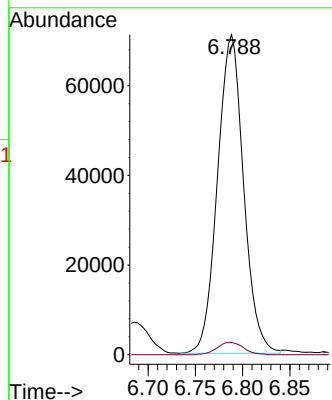
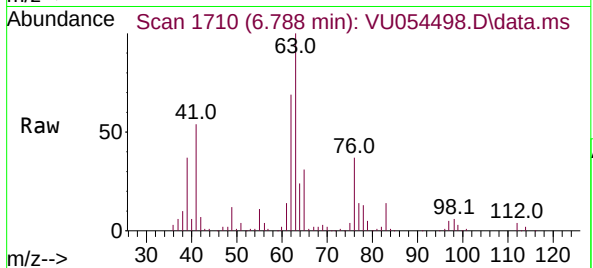
VSTD005182

Tgt Ion: 63 Resp: 136139

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 5.200 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

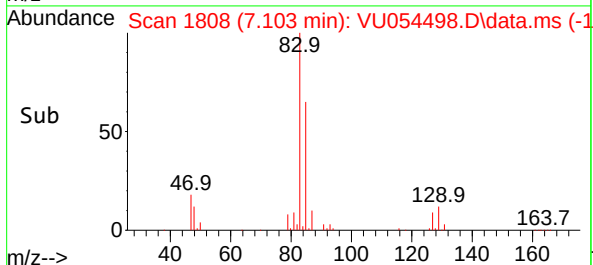
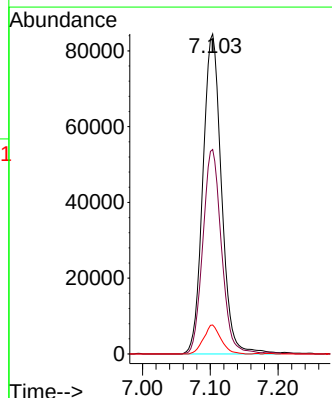
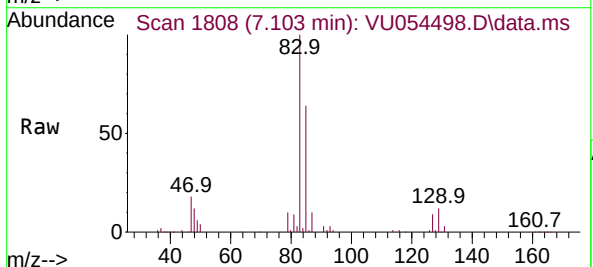
Tgt Ion: 83 Resp: 160821

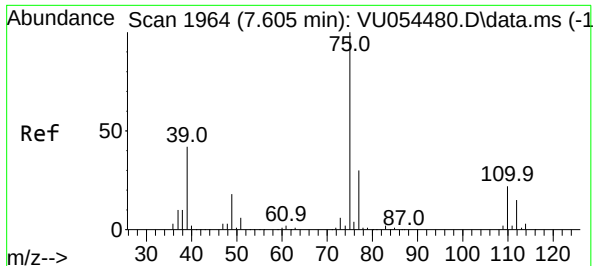
Ion Ratio Lower Upper

83 100

85 63.9 44.1 81.9

127 9.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.203 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

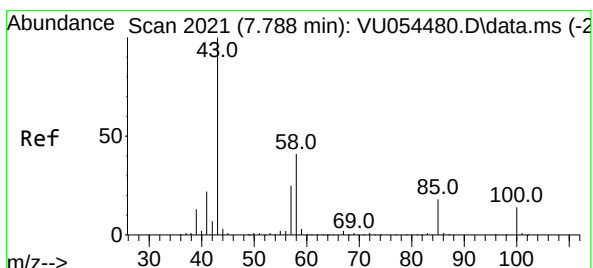
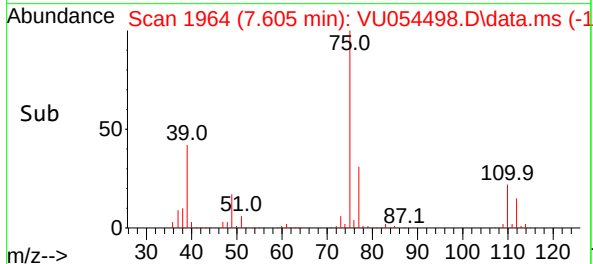
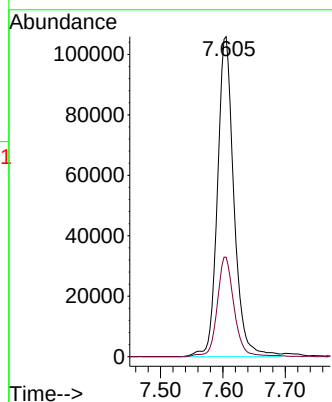
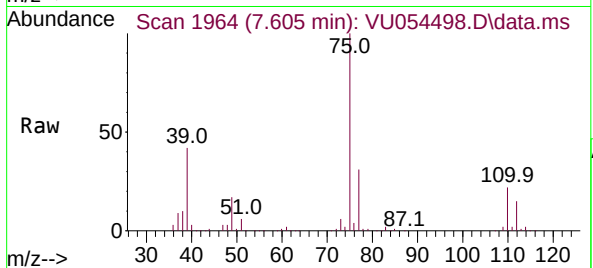
VSTD005182

Tgt Ion: 75 Resp: 194084

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 50.672 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

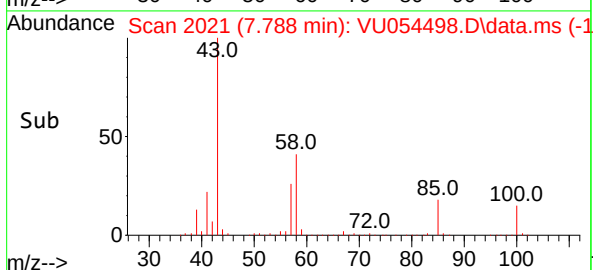
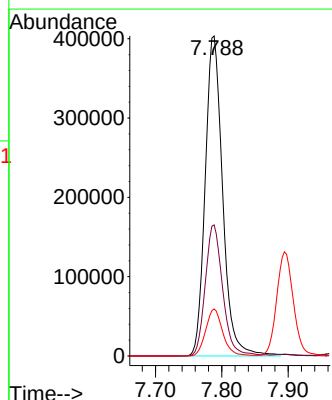
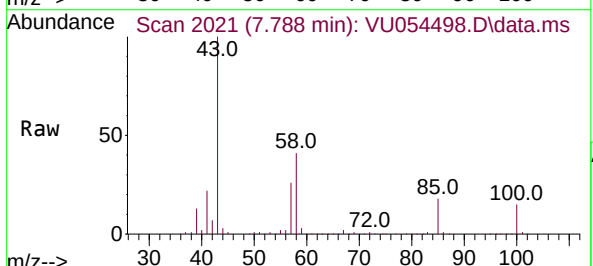
Tgt Ion: 43 Resp: 738834

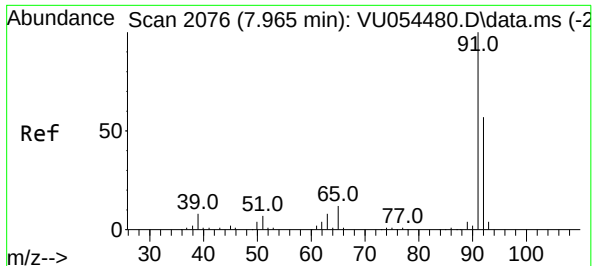
Ion Ratio Lower Upper

43 100

58 40.9 32.4 48.6

100 14.4 11.4 17.2





#42

Toluene

Concen: 5.223 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

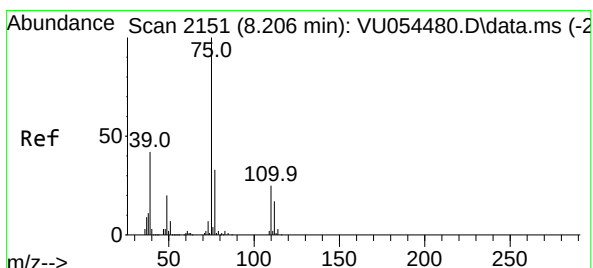
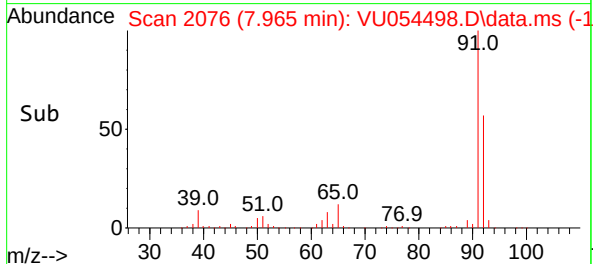
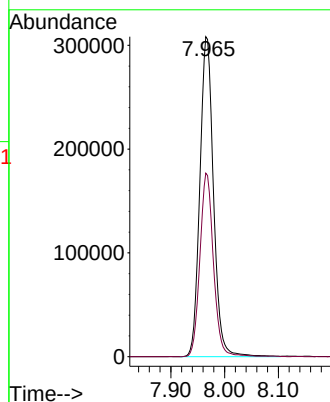
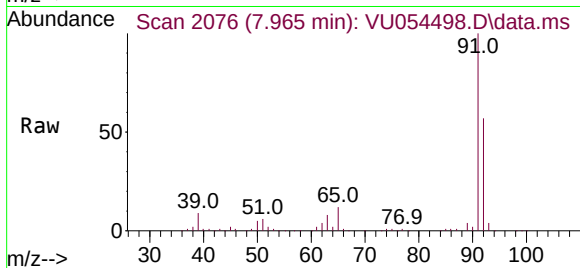
VSTD005182

Tgt Ion: 91 Resp: 543519

Ion Ratio Lower Upper

91 100

92 57.3 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.242 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054498.D

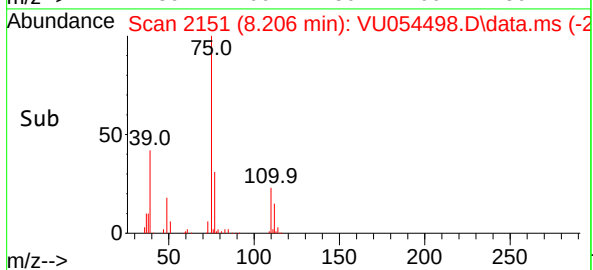
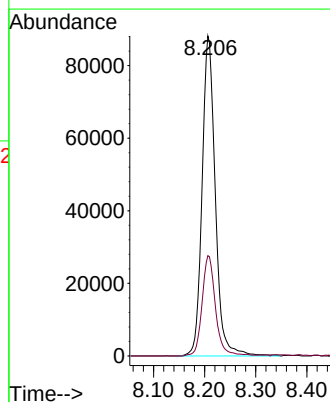
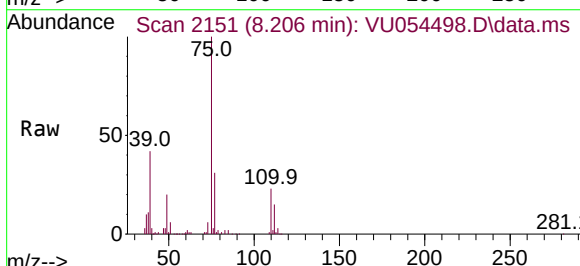
Acq: 13 Jun 2023 09:32

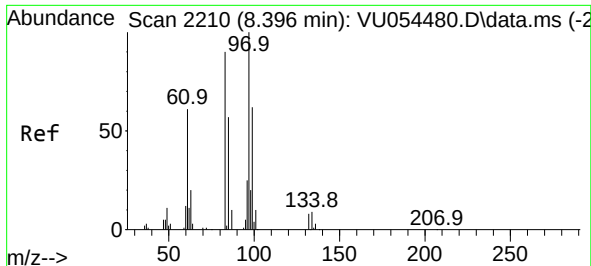
Tgt Ion: 75 Resp: 158677

Ion Ratio Lower Upper

75 100

77 31.4 21.3 39.6

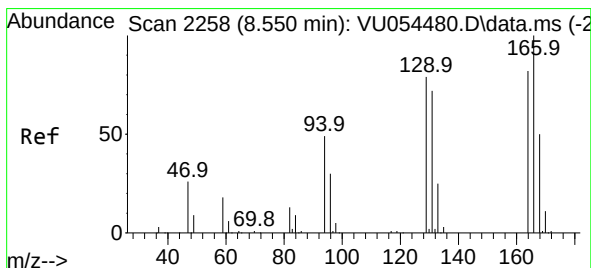
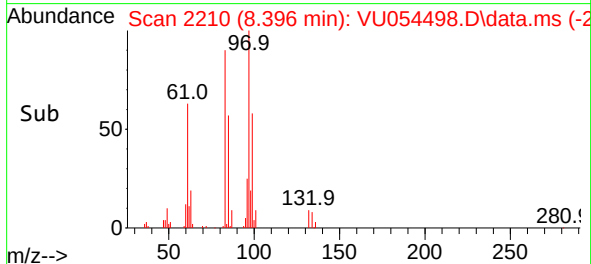
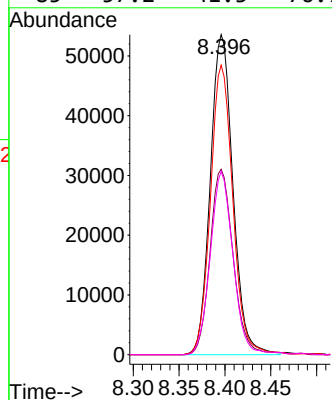
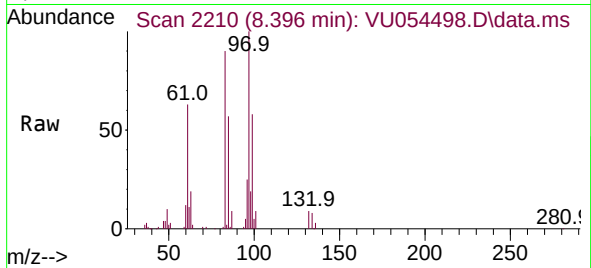




#45
1,1,2-Trichloroethane
Concen: 5.302 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

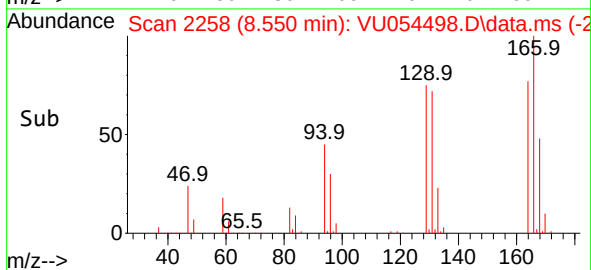
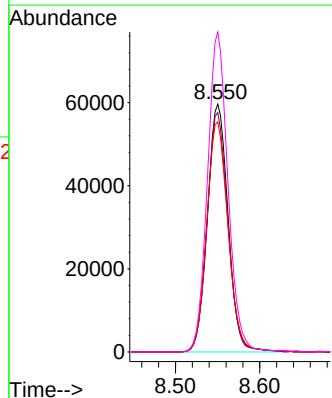
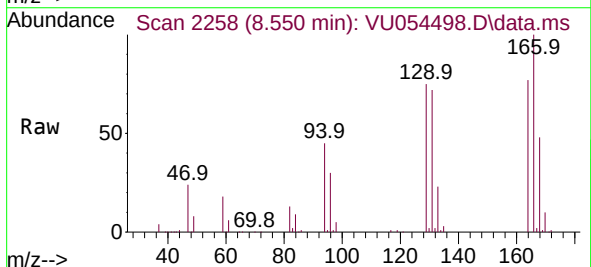
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

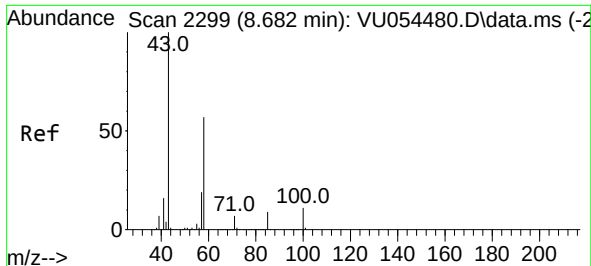
Tgt Ion: 97	Resp: 92155
Ion Ratio	Lower Upper
97 100	
99 58.0	43.0 80.0
83 90.5	63.8 118.6
85 57.2	41.3 76.7



#47
Tetrachloroethene
Concen: 4.985 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt	Ion:164	Resp:	101961
Ion	Ratio	Lower	Upper
164	100		
129	96.6	67.7	125.7
131	92.8	64.6	120.0
166	129.1	88.1	163.7

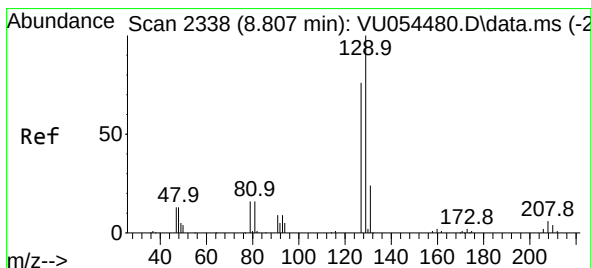
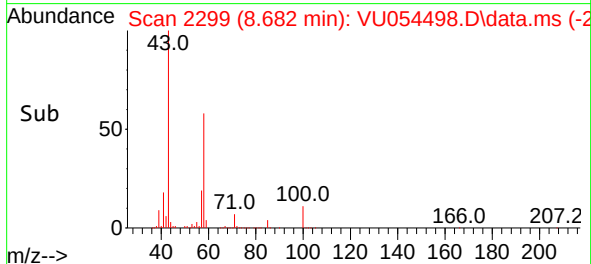
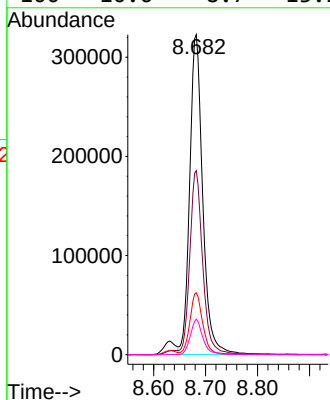
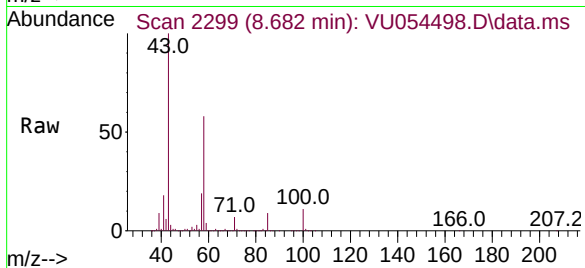




#48
2-Hexanone
Concen: 51.737 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

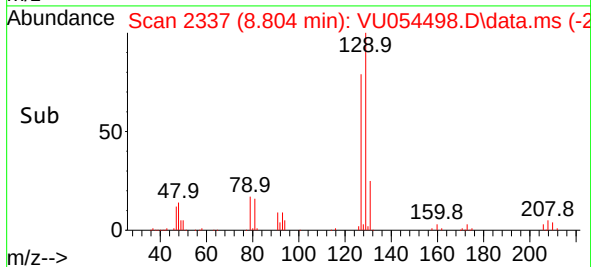
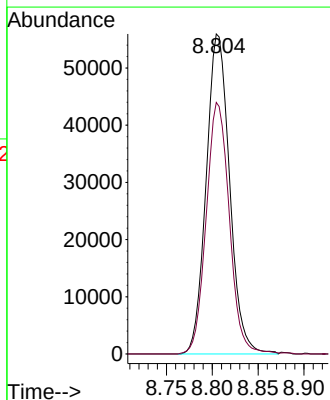
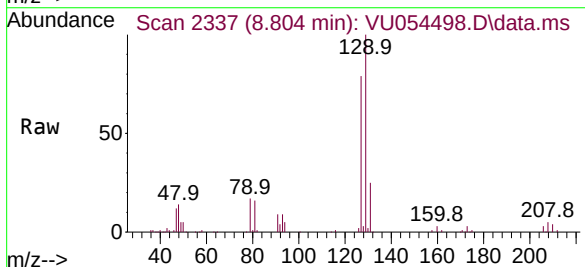
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

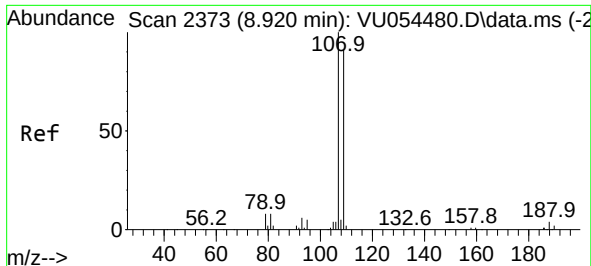
Tgt Ion: 43 Resp: 562083
Ion Ratio Lower Upper
43 100
58 56.6 45.2 67.8
57 19.1 15.8 23.6
100 10.6 8.7 13.1



#49
Dibromochloromethane
Concen: 5.444 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 129 Resp: 99366
Ion Ratio Lower Upper
129 100
127 78.6 53.2 98.8





#50

1,2-Dibromoethane

Concen: 5.190 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD005182

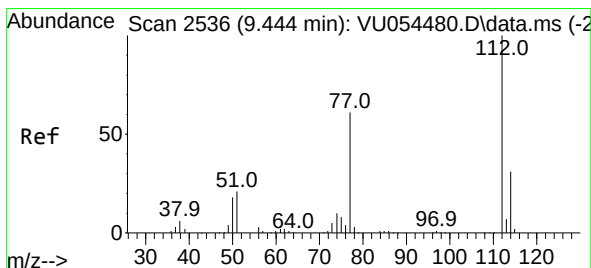
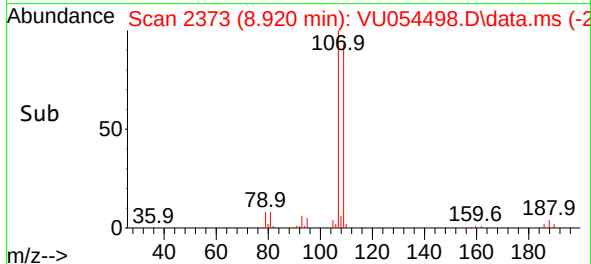
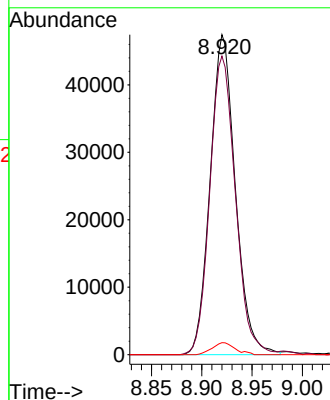
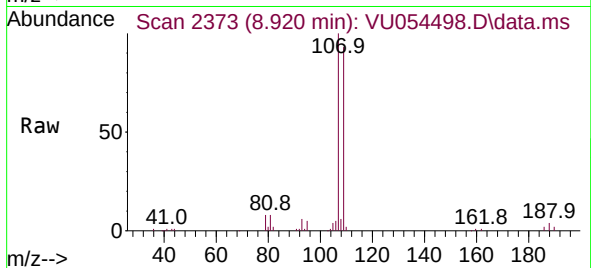
Tgt Ion:107 Resp: 82827

Ion Ratio Lower Upper

107 100

109 93.3 66.6 123.6

188 3.8 3.1 4.7



#51

Chlorobenzene

Concen: 5.104 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

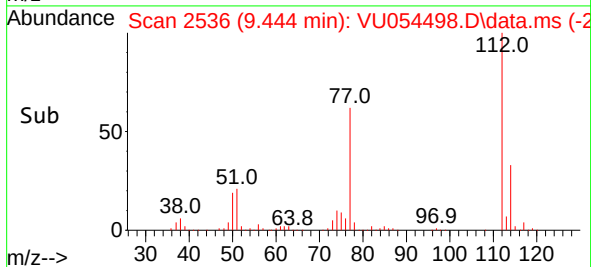
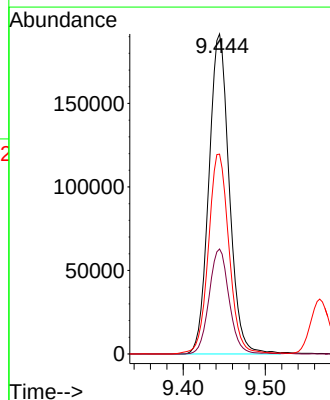
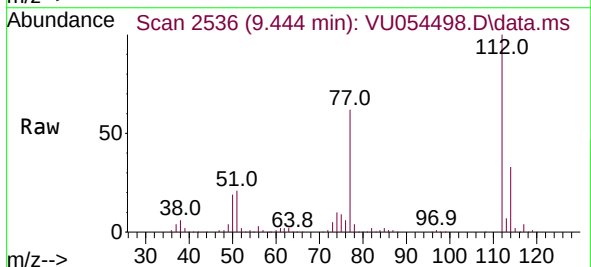
Tgt Ion:112 Resp: 331105

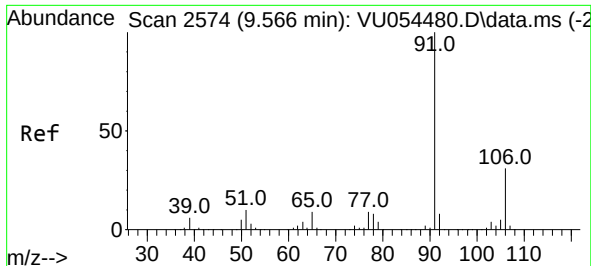
Ion Ratio Lower Upper

112 100

114 32.8 22.7 42.1

77 62.5 49.8 74.8

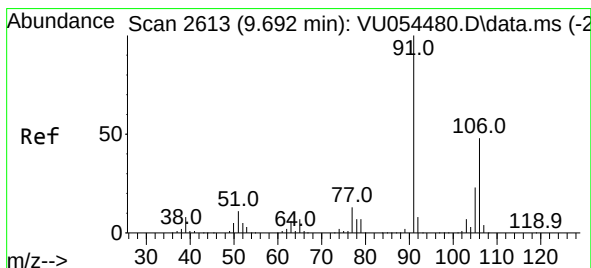
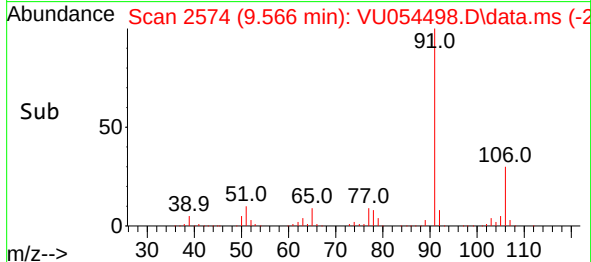
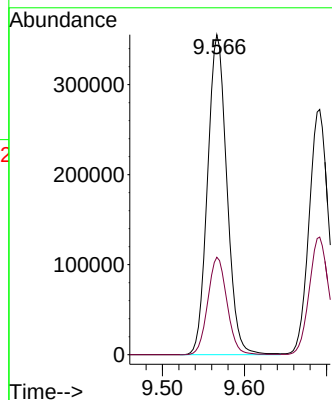
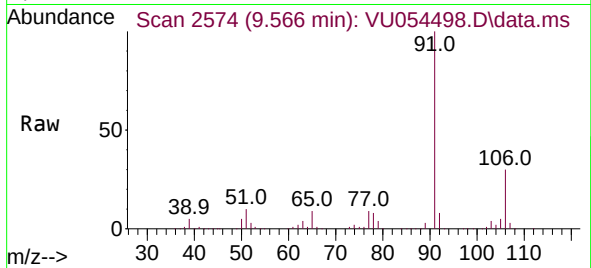




#52
Ethylbenzene
Concen: 5.119 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

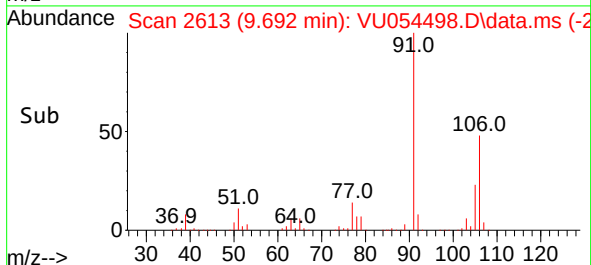
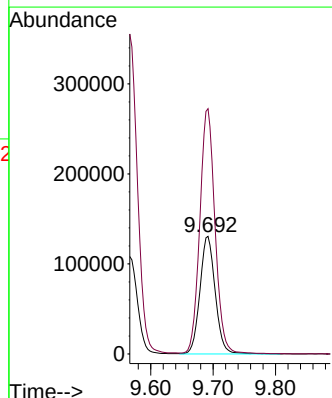
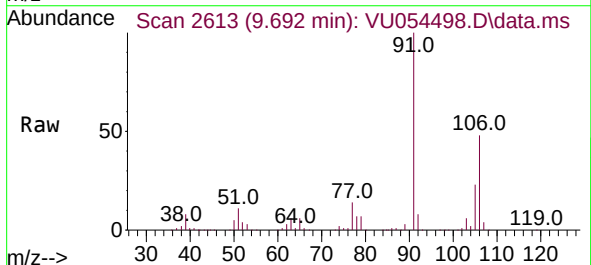
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

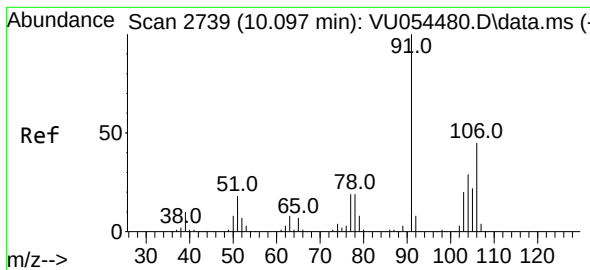
Tgt Ion: 91 Resp: 581804
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.3



#53
m,p-Xylene
Concen: 5.323 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 106 Resp: 222254
Ion Ratio Lower Upper
106 100
91 208.6 147.0 273.0





#54

o-Xylene

Concen: 5.197 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

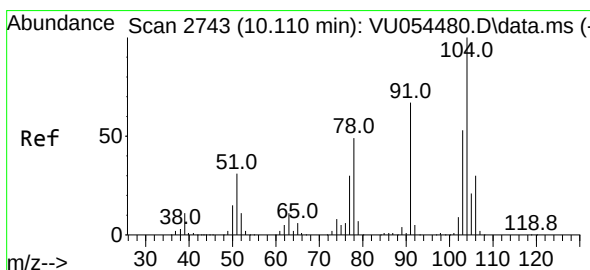
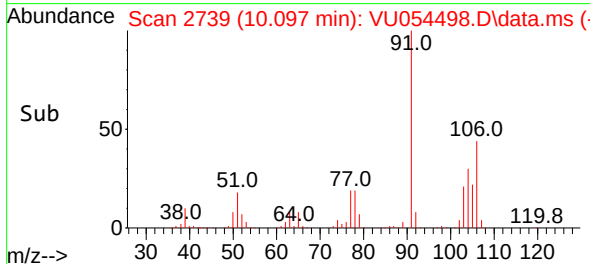
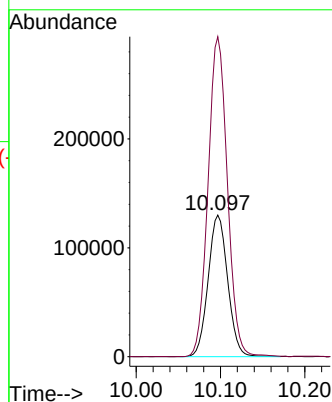
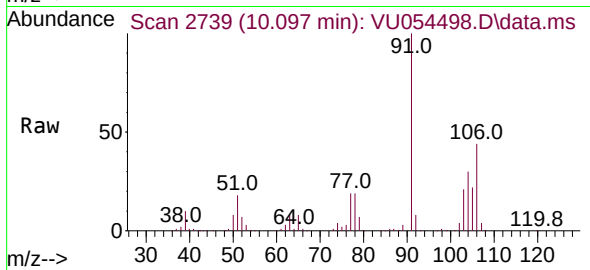
VSTD005182

Tgt Ion:106 Resp: 209837

Ion Ratio Lower Upper

106 100

91 226.0 154.5 286.9



#55

Styrene

Concen: 5.350 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU054498.D

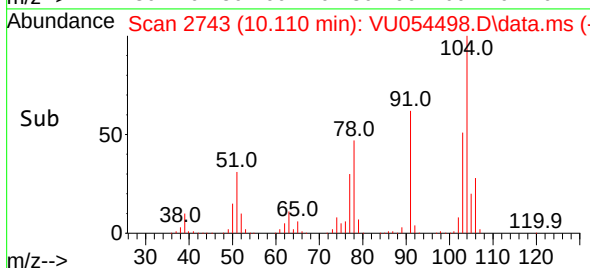
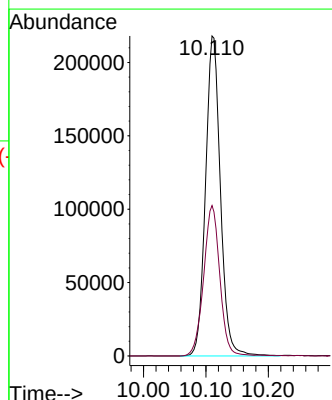
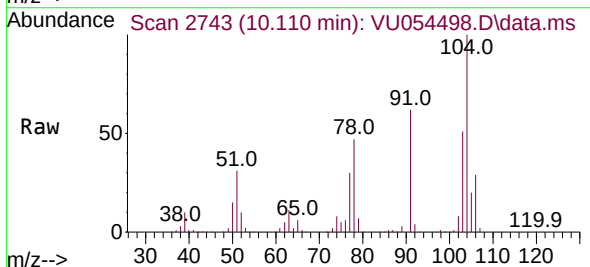
Acq: 13 Jun 2023 09:32

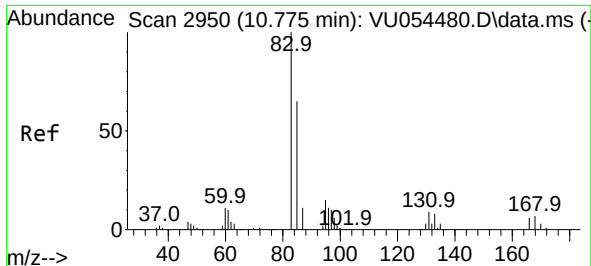
Tgt Ion:104 Resp: 362540

Ion Ratio Lower Upper

104 100

78 47.0 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.125 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD005182

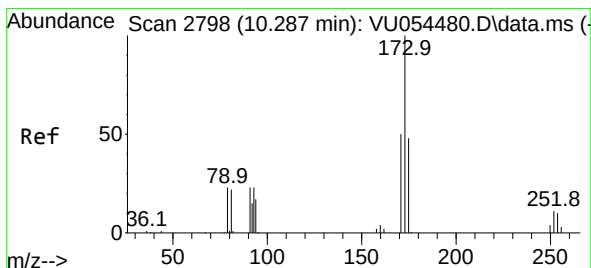
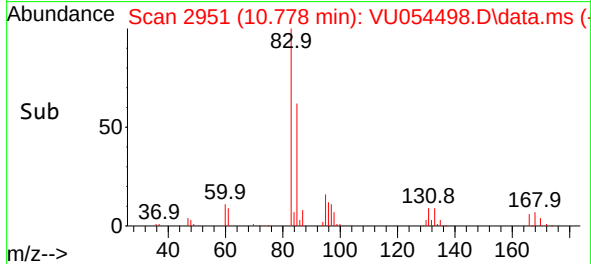
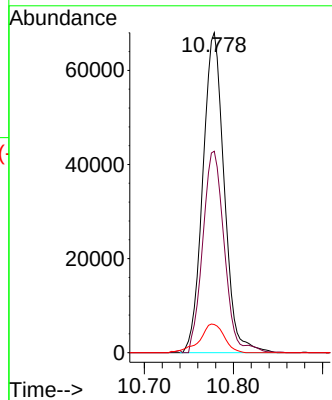
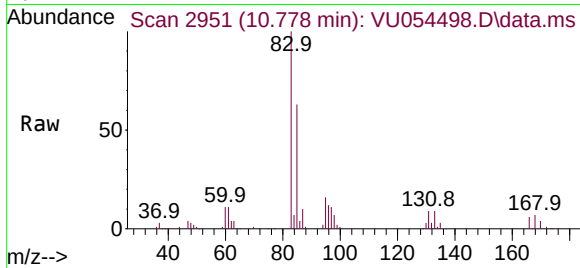
Tgt Ion: 83 Resp: 113158

Ion Ratio Lower Upper

83 100

85 63.0 44.2 82.2

131 8.8 7.0 10.6



#59

Bromoform

Concen: 5.814 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

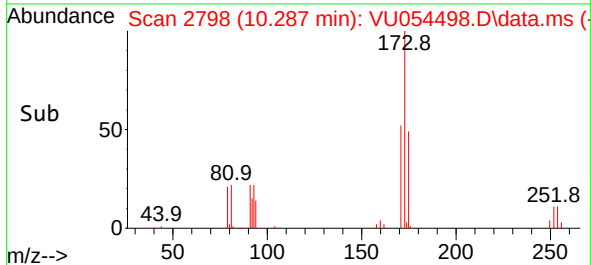
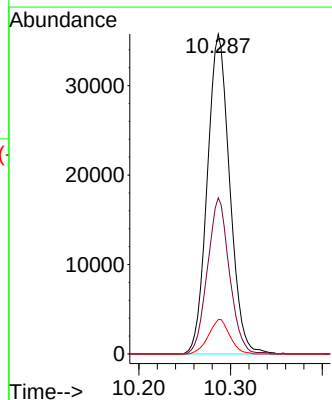
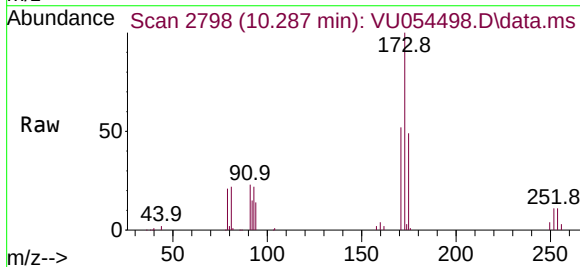
Tgt Ion:173 Resp: 60713

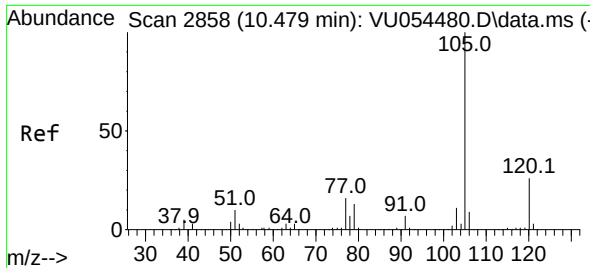
Ion Ratio Lower Upper

173 100

175 47.7 39.4 59.0

254 10.2 8.6 12.8

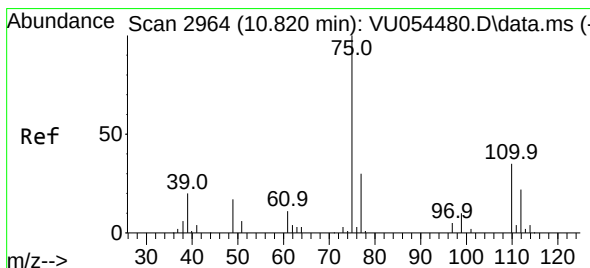
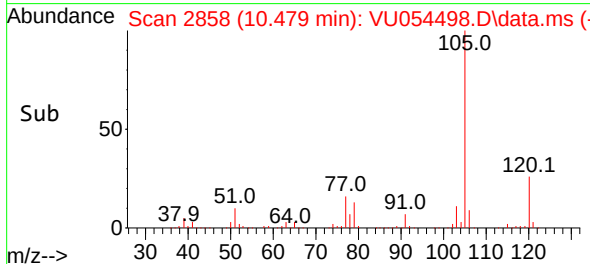
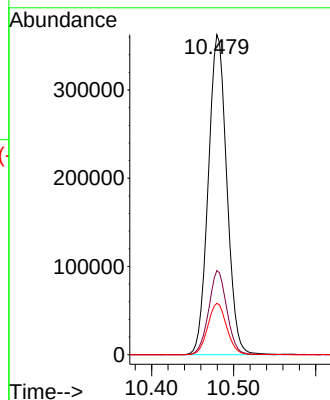
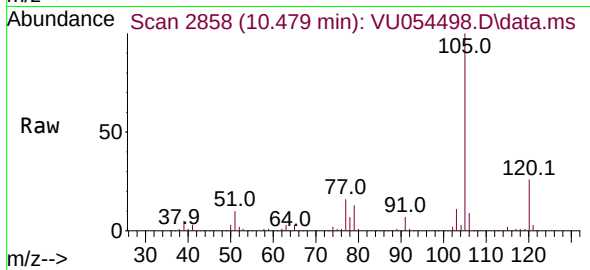




#60
Isopropylbenzene
Concen: 5.356 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

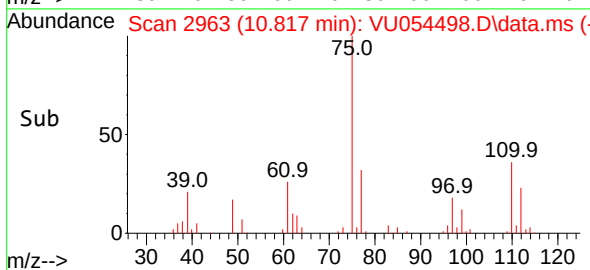
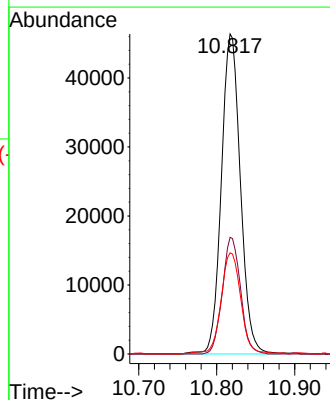
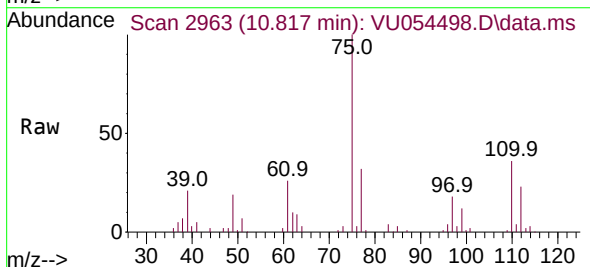
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

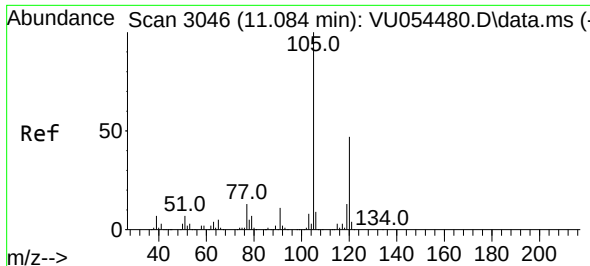
Tgt Ion:105 Resp: 569863
Ion Ratio Lower Upper
105 100
120 25.9 20.9 31.3
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.356 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion: 75 Resp: 78731
Ion Ratio Lower Upper
75 100
110 34.7 28.0 42.0
77 32.9 25.4 38.2

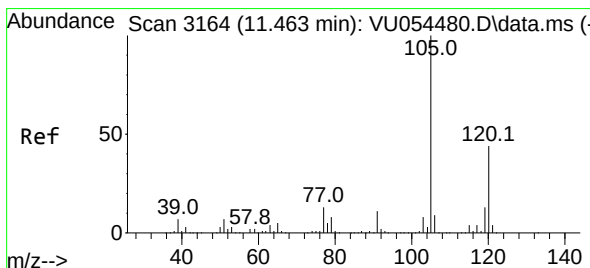
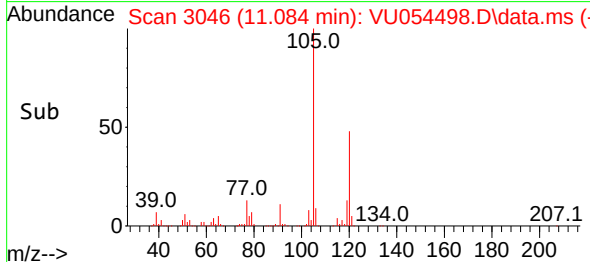
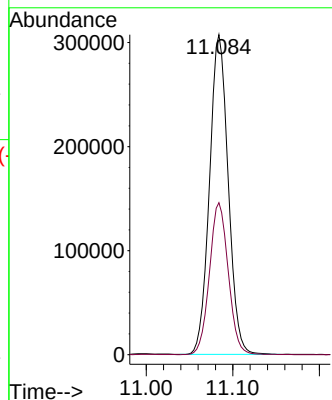
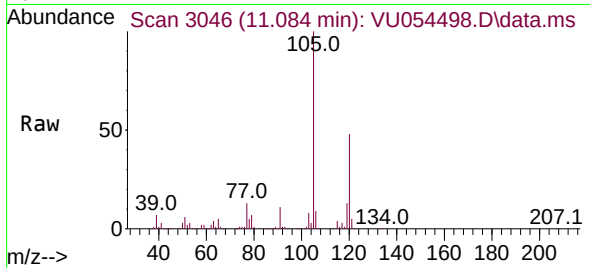




#62
1,3,5-Trimethylbenzene
Concen: 5.311 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

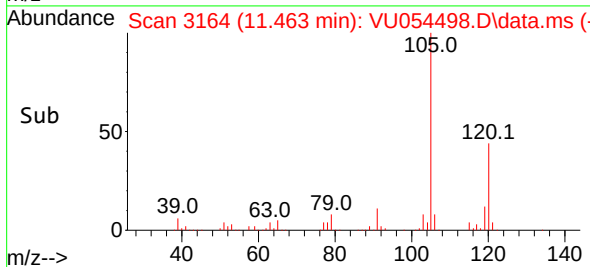
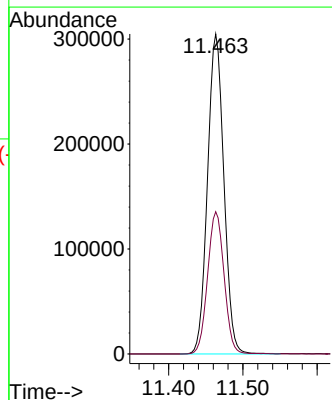
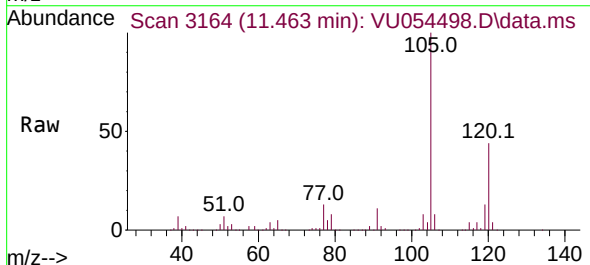
Instrument :
MSVOA_U
ClientSampleId :
VSTD005182

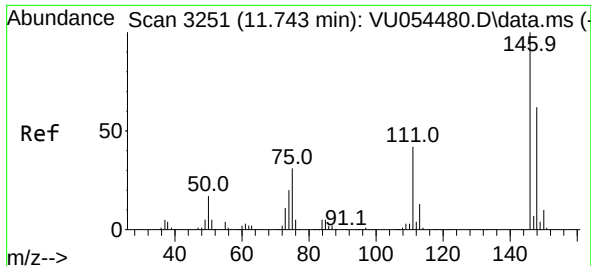
Tgt Ion:105 Resp: 461079
Ion Ratio Lower Upper
105 100
120 47.9 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 5.273 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054498.D
Acq: 13 Jun 2023 09:32

Tgt Ion:105 Resp: 464933
Ion Ratio Lower Upper
105 100
120 44.8 35.4 53.0

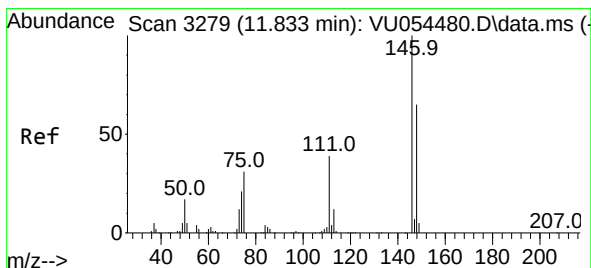
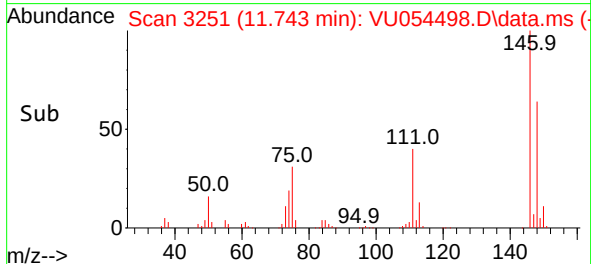
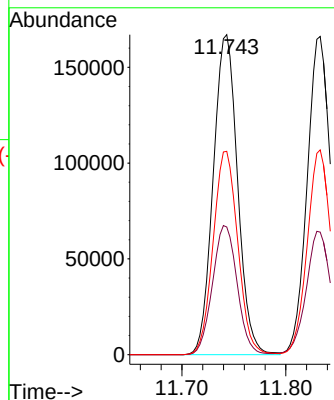
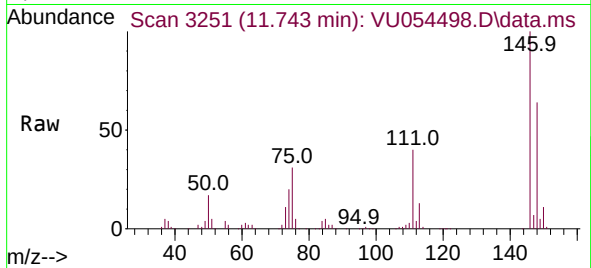




#64
 1,3-Dichlorobenzene
 Concen: 5.477 ug/L
 RT: 11.743 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU054498.D
 Acq: 13 Jun 2023 09:32

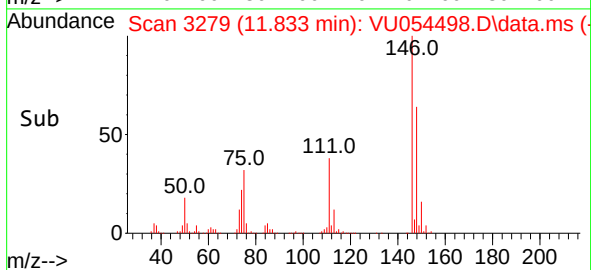
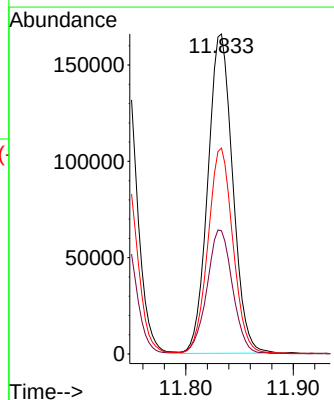
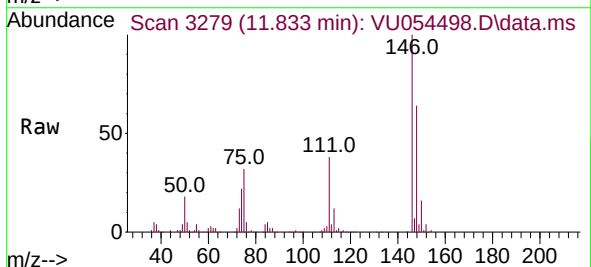
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005182

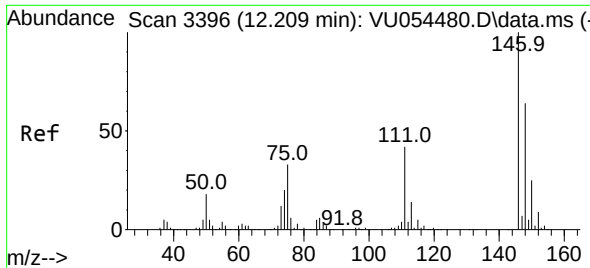
Tgt Ion:146 Resp: 272382
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.9 53.7
 148 63.6 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 5.341 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. 0.000 min
 Lab File: VU054498.D
 Acq: 13 Jun 2023 09:32

Tgt Ion:146 Resp: 266610
 Ion Ratio Lower Upper
 146 100
 111 38.5 28.0 52.0
 148 64.4 44.7 83.1

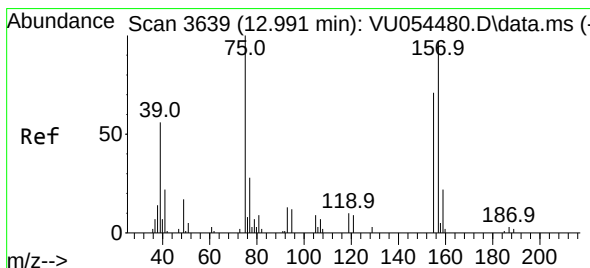
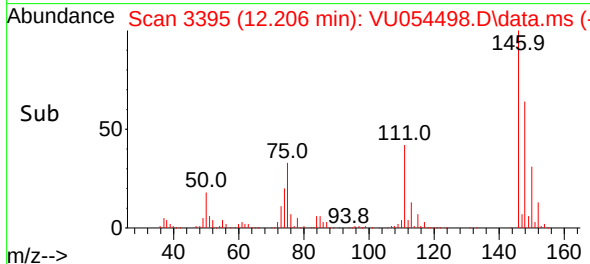
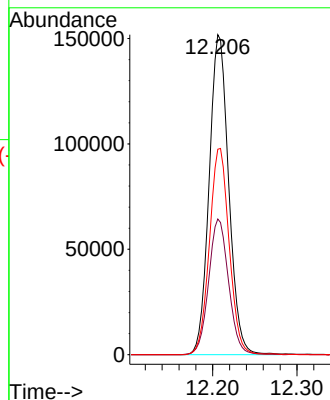
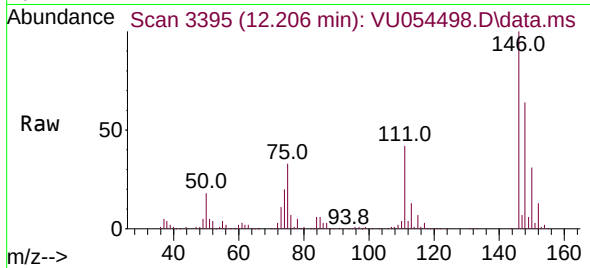




#67
 1,2-Dichlorobenzene
 Concen: 5.351 ug/L
 RT: 12.206 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VU054498.D
 Acq: 13 Jun 2023 09:32

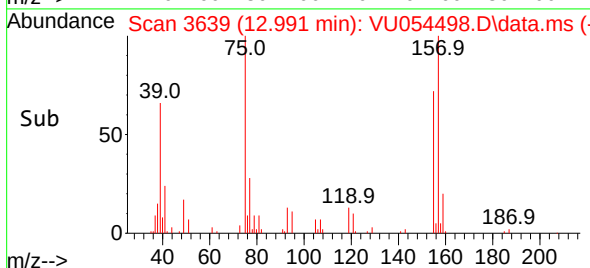
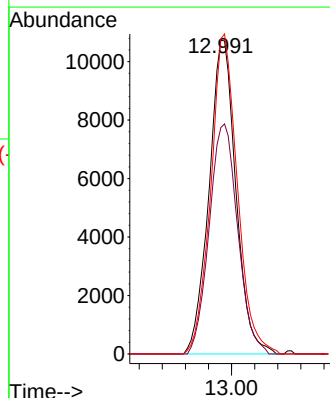
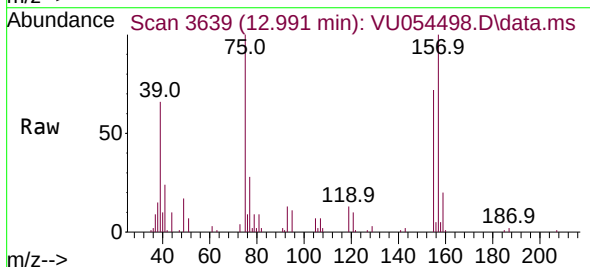
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005182

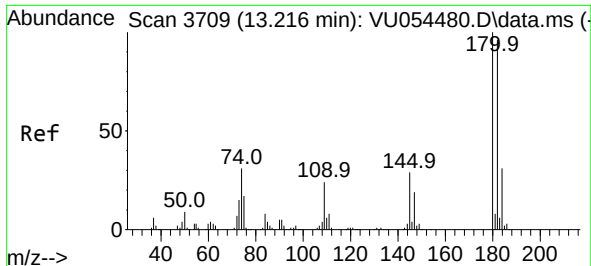
Tgt Ion:146 Resp: 244759
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.5 51.7
 148 64.2 50.9 76.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.371 ug/L
 RT: 12.991 min Scan# 3639
 Delta R.T. 0.000 min
 Lab File: VU054498.D
 Acq: 13 Jun 2023 09:32

Tgt Ion: 75 Resp: 17349
 Ion Ratio Lower Upper
 75 100
 155 72.2 65.7 98.5
 157 100.5 84.2 126.2

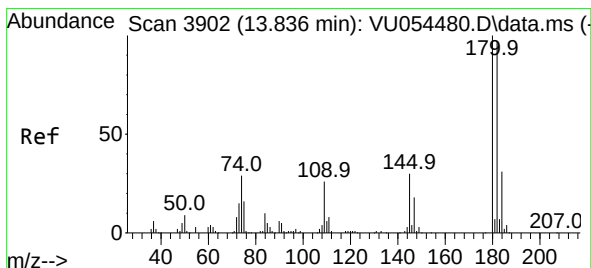
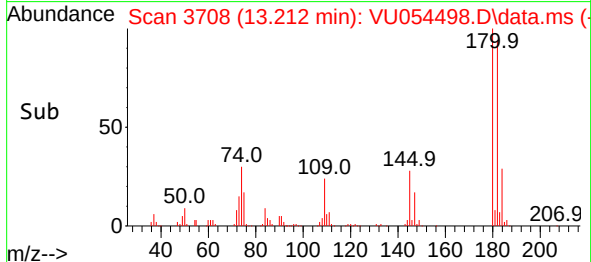
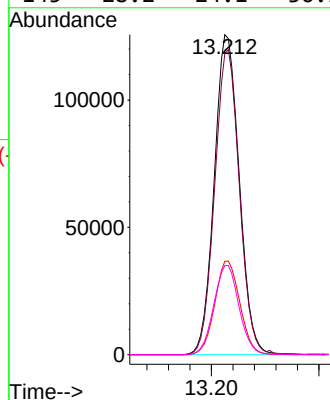
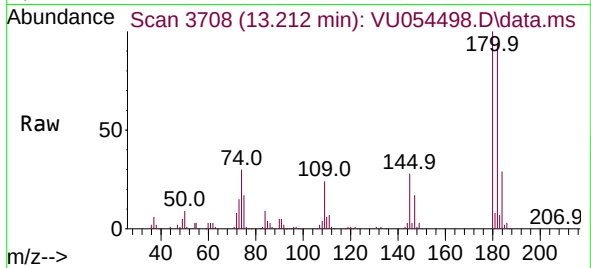




#69
 1,3,5-Trichlorobenzene
 Concen: 5.389 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU054498.D
 Acq: 13 Jun 2023 09:32

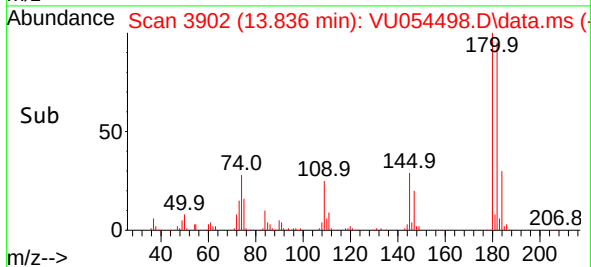
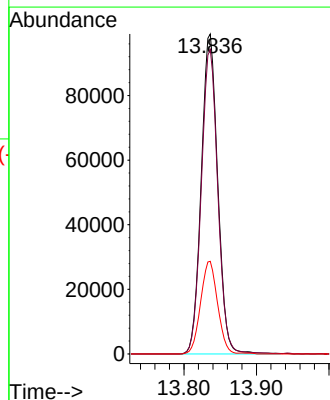
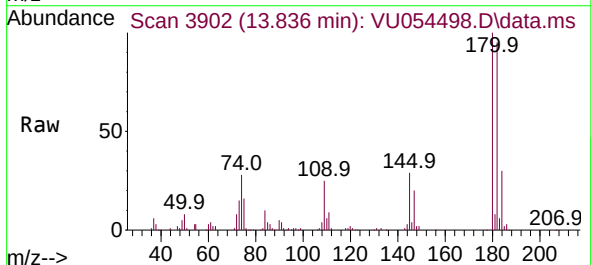
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005182

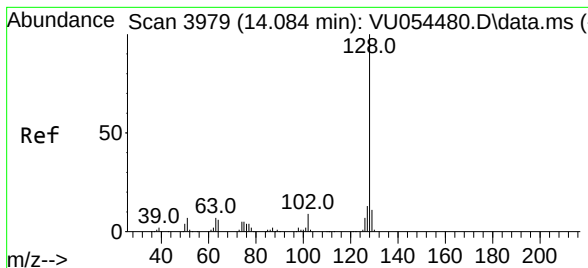
Tgt Ion:180 Resp: 202228
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.0 112.6
 184 29.4 24.1 36.1
 145 28.2 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.053 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054498.D
 Acq: 13 Jun 2023 09:32

Tgt Ion:180 Resp: 156800
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 114.8
 145 29.7 24.0 36.0





#71

Naphthalene

Concen: 4.394 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD005182

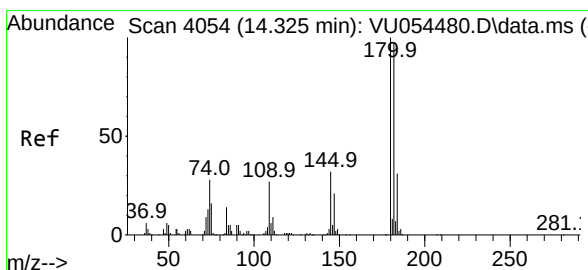
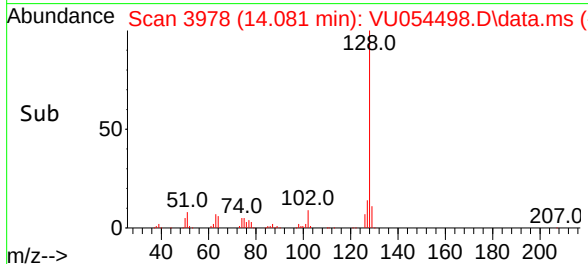
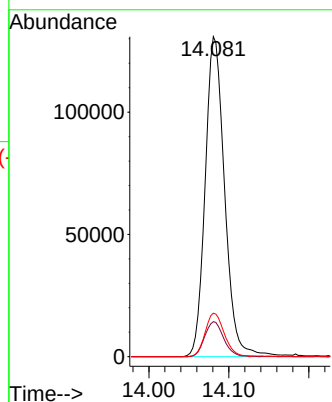
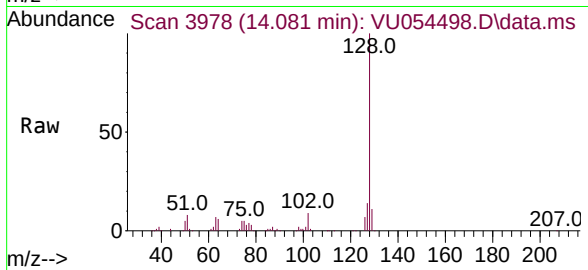
Tgt Ion:128 Resp: 221695

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.4 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.949 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU054498.D

Acq: 13 Jun 2023 09:32

Tgt Ion:180 Resp: 131942

Ion Ratio Lower Upper

180 100

182 97.7 75.4 113.2

145 31.6 26.0 39.0

