

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054788.D
 Acq On : 17 Jul 2023 09:50
 Operator : MD/SY
 Sample : VSTD00529
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005029

Quant Time: Jul 18 05:32:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	239707	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.416	117	221824	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	120091	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	9225	4.979	ug/L	0.00
7) Chloroethane-d5	1.882	69	7548	4.073	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	12353	4.648	ug/L	0.00
21) 2-Butanone-d5	4.631	46	8993	7.552	ug/L	0.02
24) Chloroform-d	5.059	84	14345	4.974	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	8387	4.856	ug/L	0.00
32) Benzene-d6	5.724	84	27032	5.116	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.686	67	9657	5.428	ug/L	0.00
41) Toluene-d8	7.898	98	26188	5.201	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	4906	5.390	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	7610	9.048	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.756	84	16082	4.921	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.194	152	10098	4.893	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.381	85	8183	4.517	ug/L	94
3) Chloromethane	1.519	50	9301	4.502	ug/L	95
5) Vinyl chloride	1.602	62	11506	4.283	ug/L	96
6) Bromomethane	1.827	94	7861	4.808	ug/L	99
8) Chloroethane	1.905	64	8546	4.599	ug/L	98
9) Trichlorofluoromethane	2.120	101	17921	4.168	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	6611	4.168	ug/L #	71
12) 1,1-Dichloroethene	2.570	96	6238	4.182	ug/L	86
13) Acetone	2.622	43	10416	10.399	ug/L	95
14) Carbon disulfide	2.786	76	18330	4.209	ug/L	95
15) Methyl Acetate	2.946	43	6546	3.918	ug/L	100
16) Methylene chloride	3.043	84	7878	4.375	ug/L	82
17) trans-1,2-Dichloroethene	3.342	96	6271	4.062	ug/L	88
18) Methyl tert-butyl Ether	3.361	73	22080	4.133	ug/L #	84
19) 1,1-Dichloroethane	3.863	63	11704	3.973	ug/L #	95
20) cis-1,2-Dichloroethene	4.663	96	7522	4.099	ug/L	94
22) 2-Butanone	4.712	43	10025	7.329	ug/L	83
23) Bromochloromethane	4.975	128	3885	4.162	ug/L	90
25) Chloroform	5.078	83	12863	4.164	ug/L	98
27) 1,2-Dichloroethane	5.795	62	9211	3.926	ug/L #	90
29) Cyclohexane	5.377	56	11299	4.632	ug/L	97
30) 1,1,1-Trichloroethane	5.310	97	10980	4.460	ug/L	98
31) Carbon tetrachloride	5.519	117	8989	4.228	ug/L	95
33) Benzene	5.769	78	27073	4.260	ug/L	100
34) Trichloroethene	6.538	95	6922	4.279	ug/L	92
35) Methylcyclohexane	6.757	83	11946	4.518	ug/L	99
37) 1,2-Dichloropropane	6.785	63	7783	4.453	ug/L #	88
38) Bromodichloromethane	7.104	83	9872	4.402	ug/L #	91
39) cis-1,3-Dichloropropene	7.605	75	12868	4.464	ug/L	89
40) 4-Methyl-2-pentanone	7.792	43	22431	8.381	ug/L	97
42) Toluene	7.969	91	30377	4.271	ug/L	98
44) trans-1,3-Dichloropropene	8.210	75	11400	4.209	ug/L	98

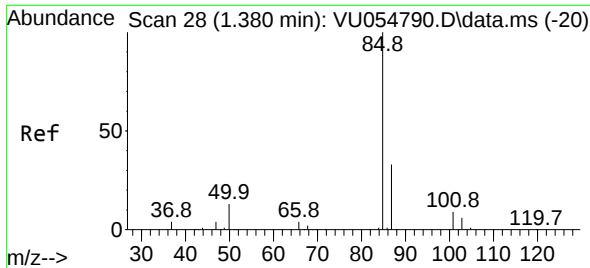
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
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 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.400	97	7758	4.353	ug/L	95
46) Tetrachloroethene	8.554	164	5320	4.289	ug/L	95
48) 2-Hexanone	8.686	43	16707	7.724	ug/L	96
49) Dibromochloromethane	8.805	129	7785	4.241	ug/L	93
50) 1,2-Dibromoethane	8.924	107	8379	4.368	ug/L	92
51) Chlorobenzene	9.444	112	20091	4.342	ug/L	93
52) Ethylbenzene	9.570	91	34007	4.136	ug/L	98
53) m,p-Xylene	9.695	106	13027	4.161	ug/L	93
54) o-Xylene	10.100	106	13383	4.208	ug/L	85
55) Styrene	10.113	104	20993	3.790	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.779	83	14842	4.218	ug/L	99
59) Bromoform	10.290	173	6461	4.301	ug/L #	41
60) 1,2,3-Trichloropropane	10.821	75	10360	4.421	ug/L	95
61) Isopropylbenzene	10.483	105	33897	4.272	ug/L	98
62) 1,3,5-Trimethylbenzene	11.088	105	26872	4.112	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	25557	3.946	ug/L	98
64) 1,3-Dichlorobenzene	11.747	146	15537	4.222	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	15446	4.167	ug/L #	85
67) 1,2-Dichlorobenzene	12.213	146	15194	4.110	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	2482	3.963	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.219	180	10410	4.220	ug/L	87
70) 1,2,4-trichlorobenzene	13.840	180	6951	3.264	ug/L #	60
71) Naphthalene	14.087	128	22827	3.266	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.332	180	7765	3.744	ug/L #	79

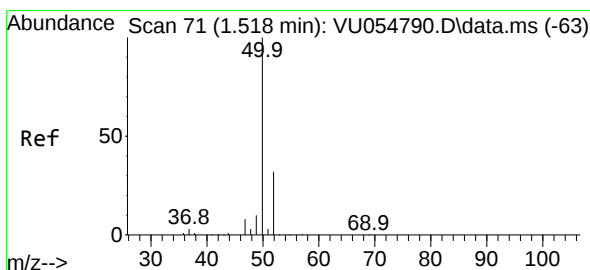
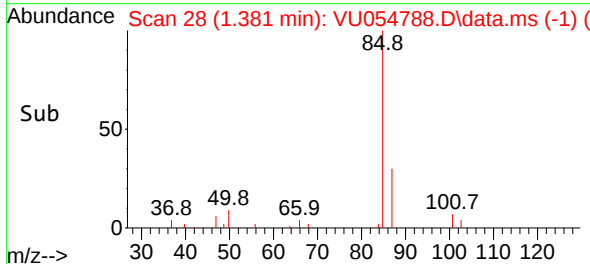
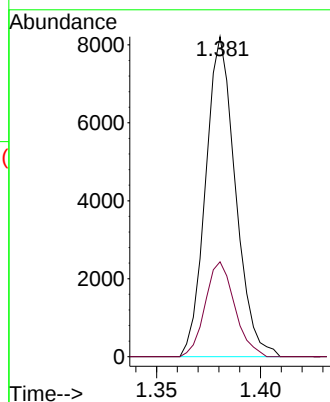
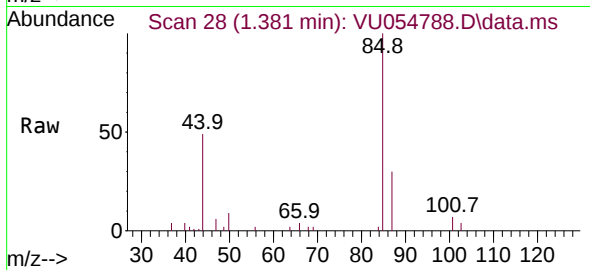
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.517 ug/L
 RT: 1.381 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50

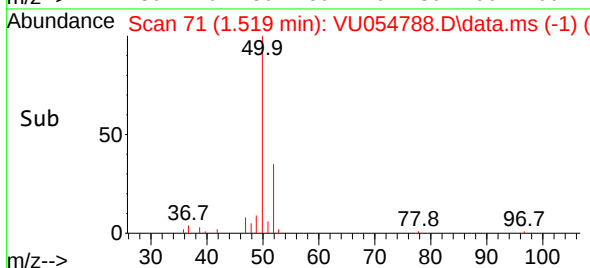
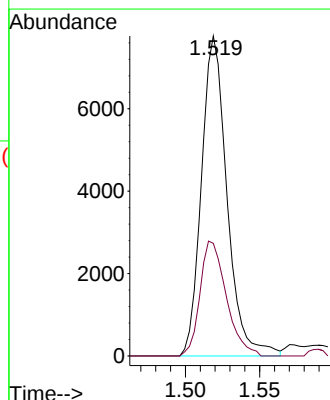
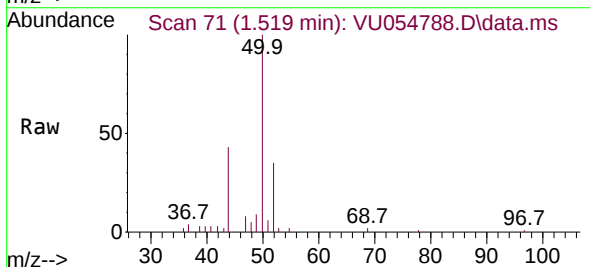
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005029

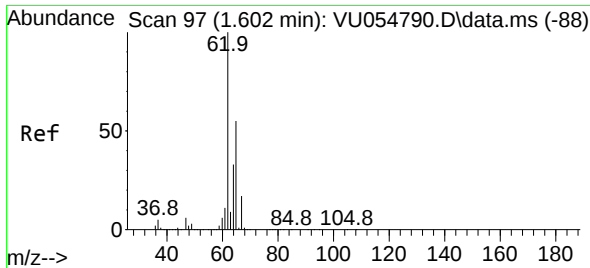
Tgt Ion: 85 Resp: 8183
 Ion Ratio Lower Upper
 85 100
 87 29.3 26.2 39.2



#3
 Chloromethane
 Concen: 4.502 ug/L
 RT: 1.519 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50

Tgt Ion: 50 Resp: 9301
 Ion Ratio Lower Upper
 50 100
 52 35.2 22.5 41.9

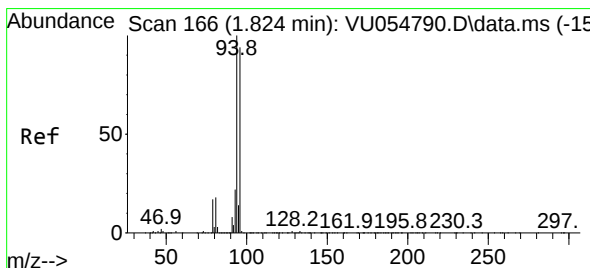
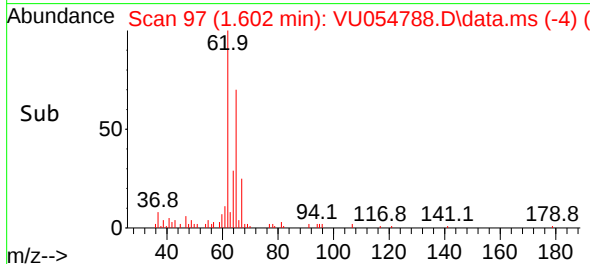
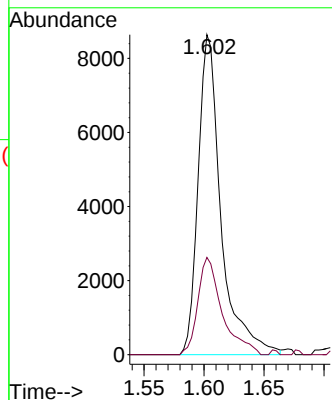
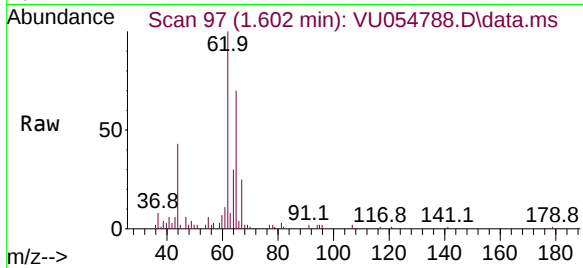




#5
 Vinyl chloride
 Concen: 4.283 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50

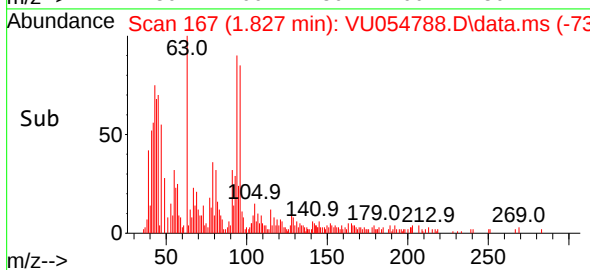
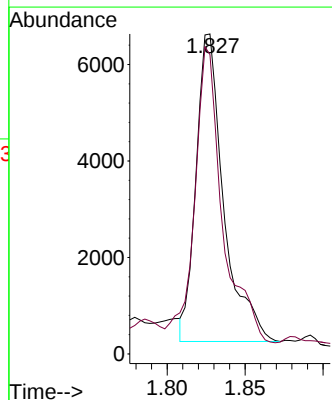
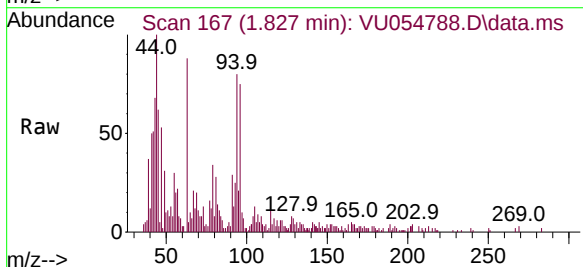
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 ClientSampleId :
 VSTD005029

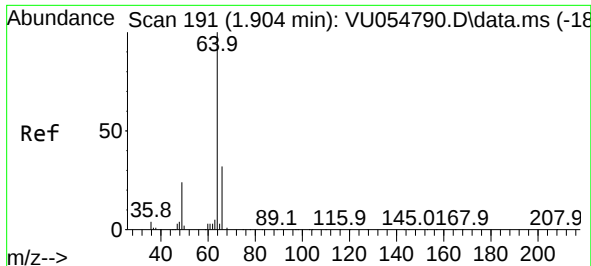
Tgt Ion: 62 Resp: 11506
 Ion Ratio Lower Upper
 62 100
 64 30.4 22.9 42.5



#6
 Bromomethane
 Concen: 4.808 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. 0.004 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50

Tgt Ion: 94 Resp: 7861
 Ion Ratio Lower Upper
 94 100
 96 93.6 66.1 122.8

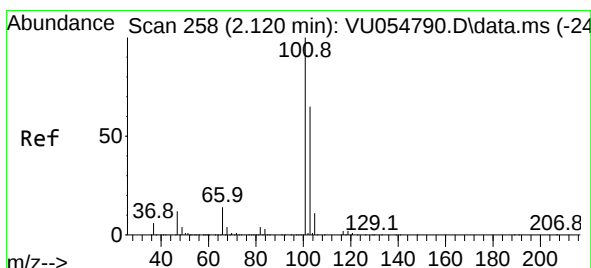
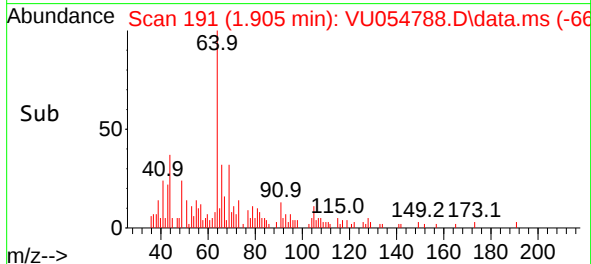
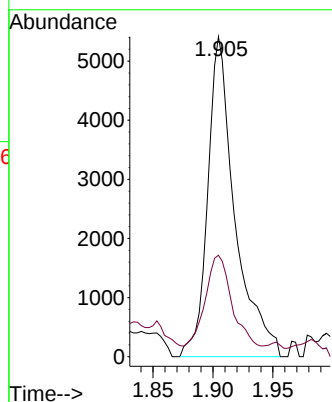
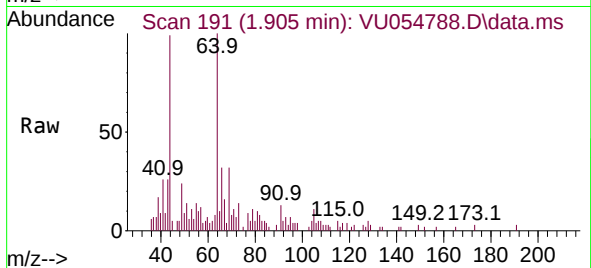




#8
Chloroethane
Concen: 4.599 ug/L
RT: 1.905 min Scan# 191
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

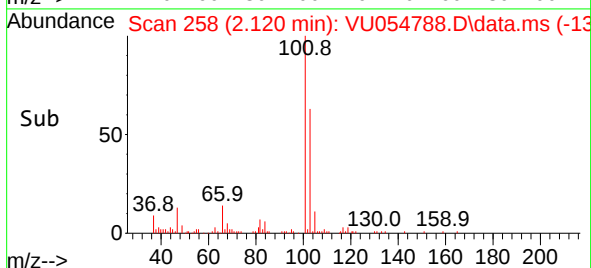
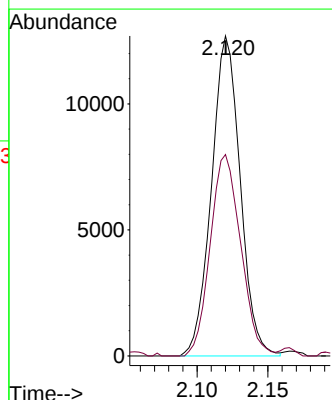
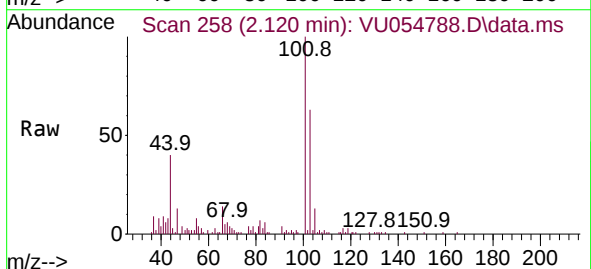
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

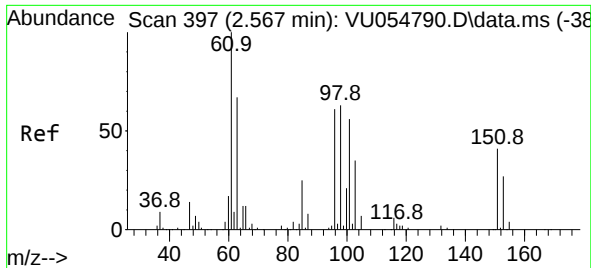
Tgt Ion: 64 Resp: 8546
Ion Ratio Lower Upper
64 100
66 31.7 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.168 ug/L
RT: 2.120 min Scan# 258
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion: 101 Resp: 17921
Ion Ratio Lower Upper
101 100
103 66.6 52.2 78.2





#10

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

Concen: 4.168 ug/L

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

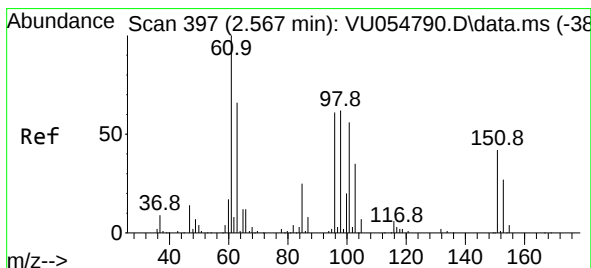
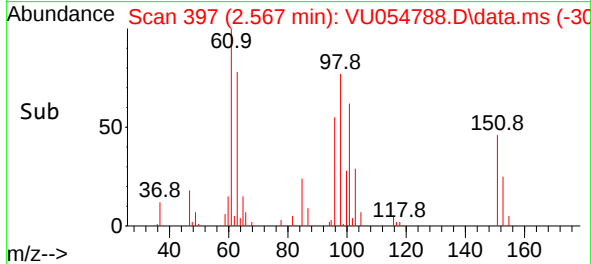
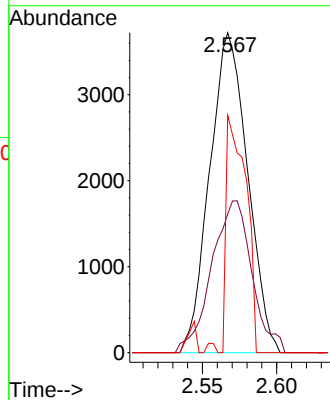
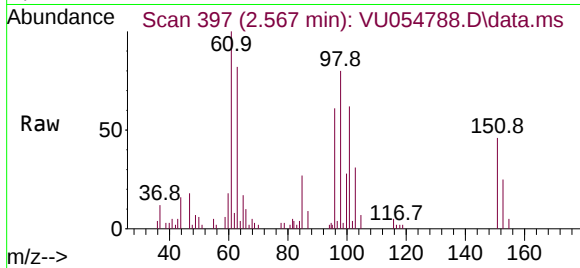
Tgt Ion:101 Resp: 6611

Ion Ratio Lower Upper

101 100

85 50.2 35.3 52.9

151 38.8 58.2 87.4#



#12

1,1-Dichloroethene

Concen: 4.182 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

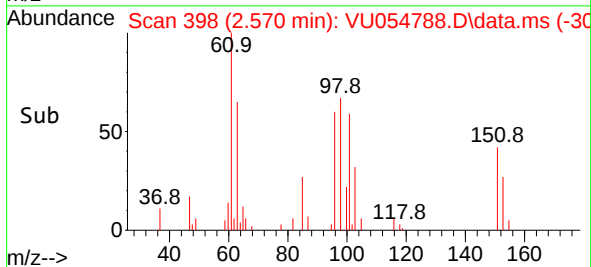
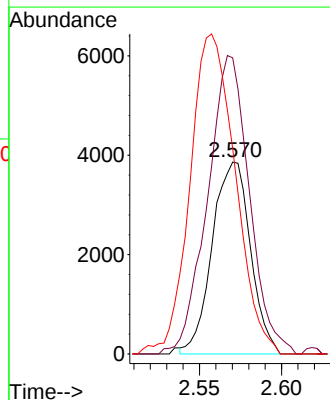
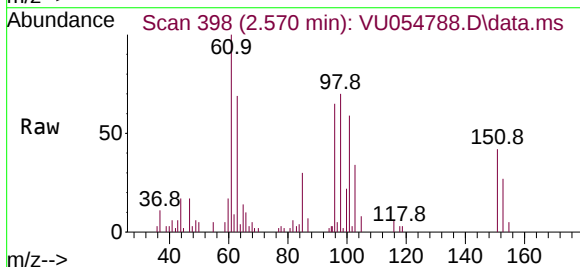
Tgt Ion: 96 Resp: 6238

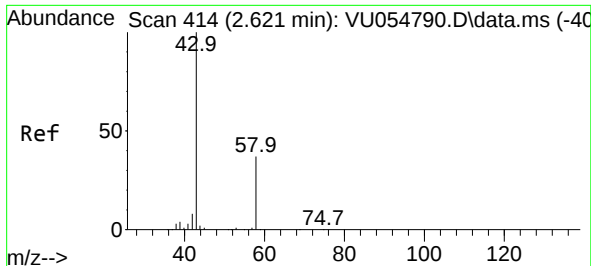
Ion Ratio Lower Upper

96 100

61 143.0 115.0 213.6

63 99.2 77.6 144.0





#13

Acetone

Concen: 10.399 ug/L

RT: 2.622 min Scan# 414

Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

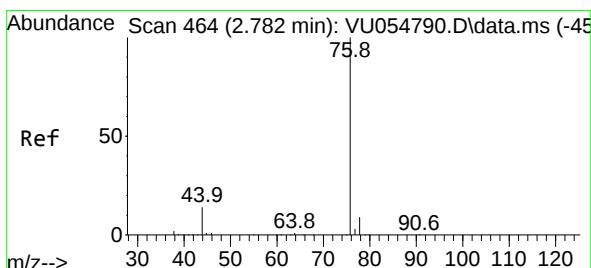
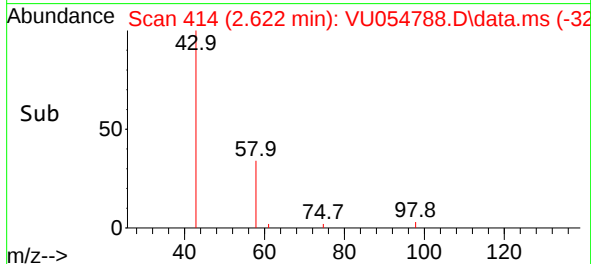
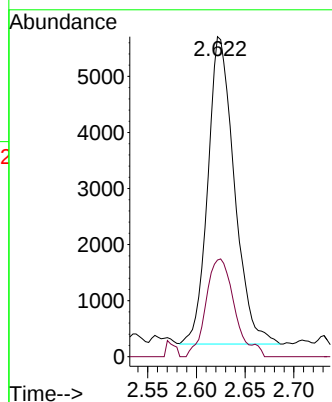
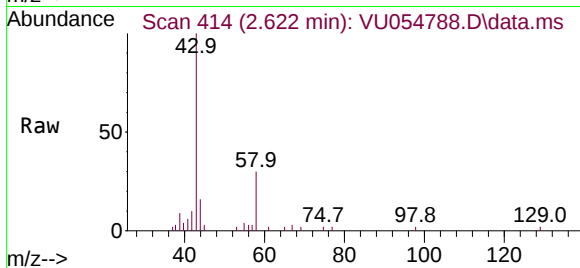
VSTD005029

Tgt Ion: 43 Resp: 10416

Ion Ratio Lower Upper

43 100

58 33.0 0.0 72.4



#14

Carbon disulfide

Concen: 4.209 ug/L

RT: 2.786 min Scan# 465

Delta R.T. 0.004 min

Lab File: VU054788.D

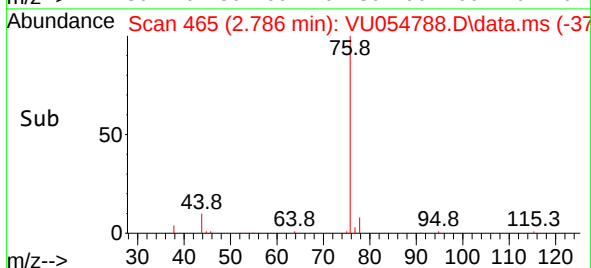
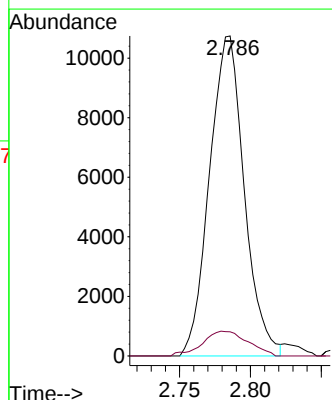
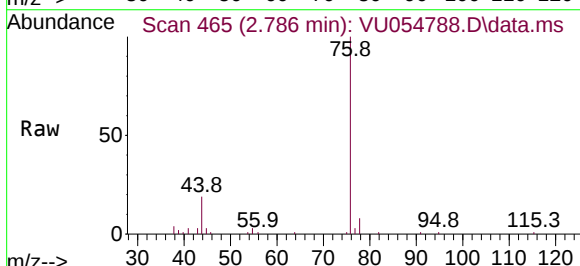
Acq: 17 Jul 2023 09:50

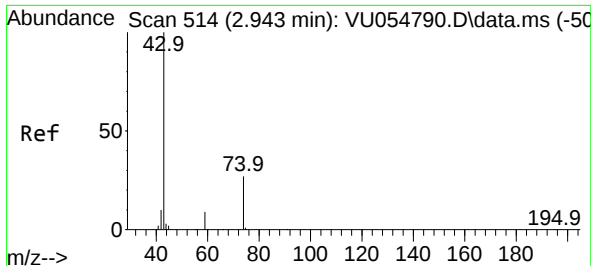
Tgt Ion: 76 Resp: 18330

Ion Ratio Lower Upper

76 100

78 7.6 7.4 11.0





#15

Methyl Acetate

Concen: 3.918 ug/L

RT: 2.946 min Scan# 514

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

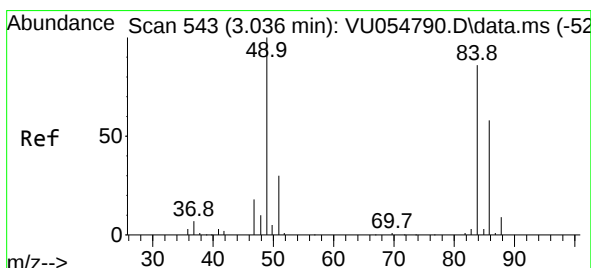
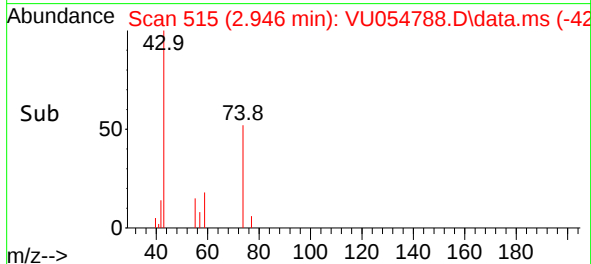
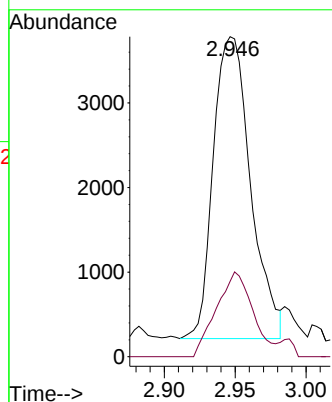
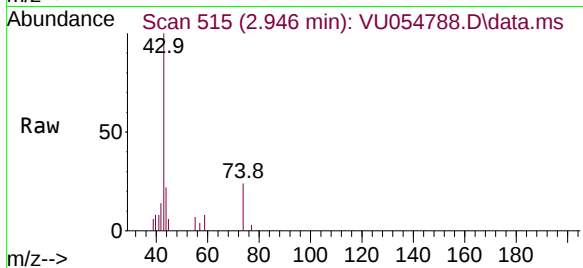
VSTD005029

Tgt Ion: 43 Resp: 6546

Ion Ratio Lower Upper

43 100

74 27.5 21.8 32.8



#16

Methylene chloride

Concen: 4.375 ug/L

RT: 3.043 min Scan# 545

Delta R.T. 0.007 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

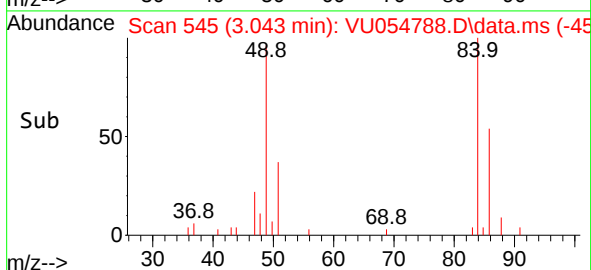
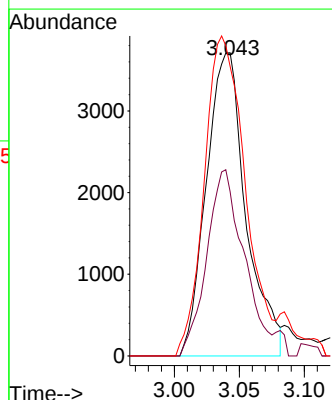
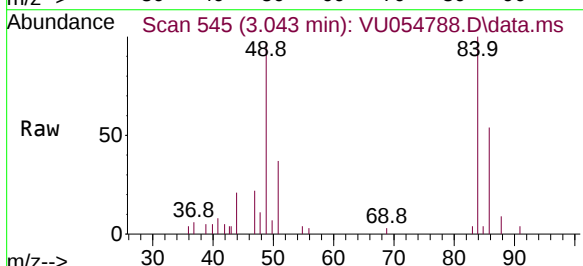
Tgt Ion: 84 Resp: 7878

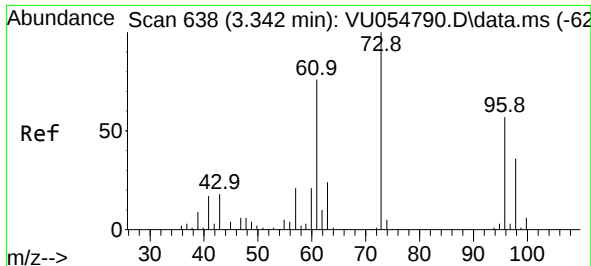
Ion Ratio Lower Upper

84 100

86 54.2 46.8 87.0

49 95.5 81.3 151.1

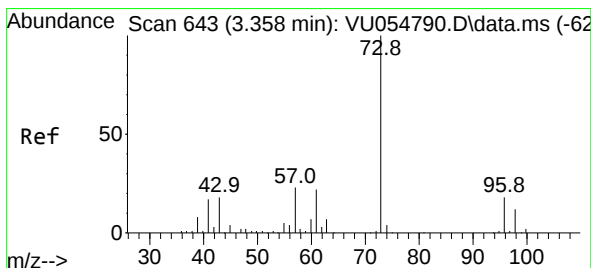
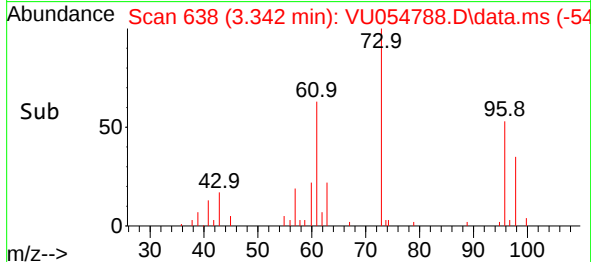
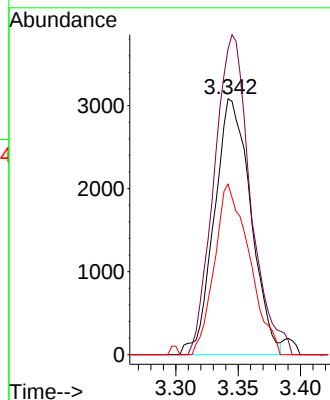
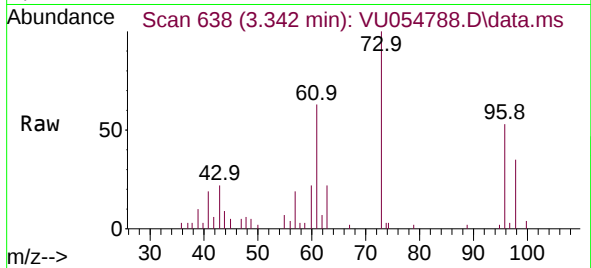




#17
trans-1,2-Dichloroethene
Concen: 4.062 ug/L
RT: 3.342 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

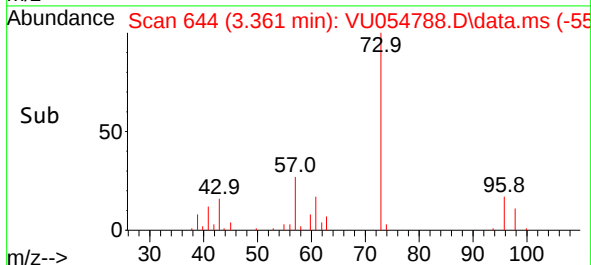
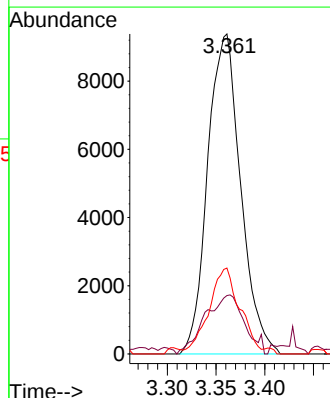
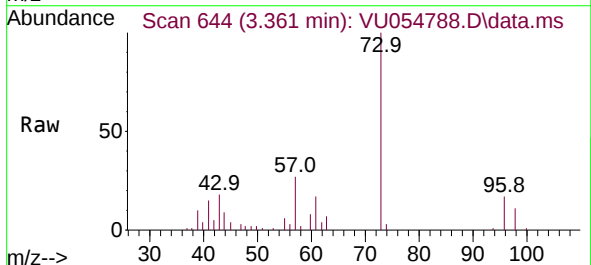
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

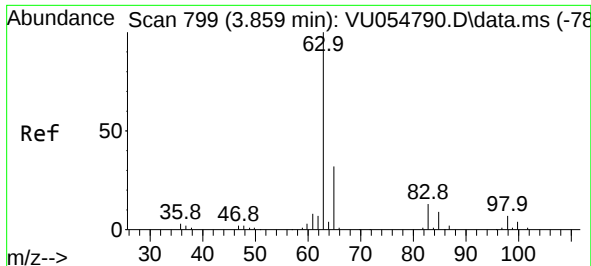
Tgt Ion: 96 Resp: 6271
Ion Ratio Lower Upper
96 100
61 113.4 93.2 173.2
98 63.3 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 4.133 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion: 73 Resp: 22080
Ion Ratio Lower Upper
73 100
43 6.3 14.3 21.5#
57 25.1 17.4 26.0





#19

1,1-Dichloroethane

Concen: 3.973 ug/L

RT: 3.863 min Scan# 80

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

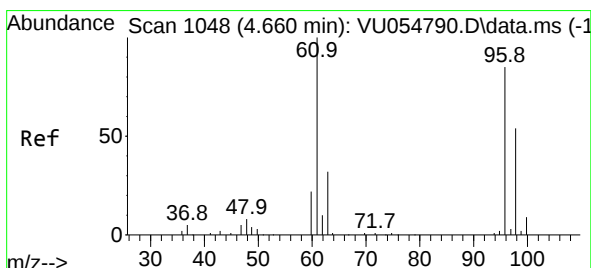
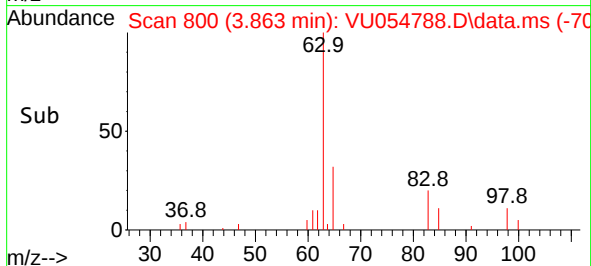
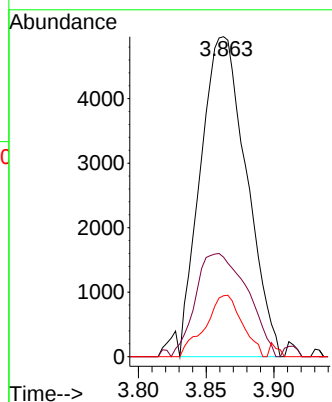
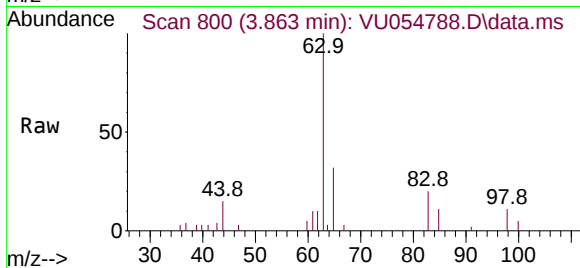
Tgt Ion: 63 Resp: 11704

Ion Ratio Lower Upper

63 100

65 31.1 22.1 41.1

83 19.0 9.4 17.4#



#20

cis-1,2-Dichloroethene

Concen: 4.099 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

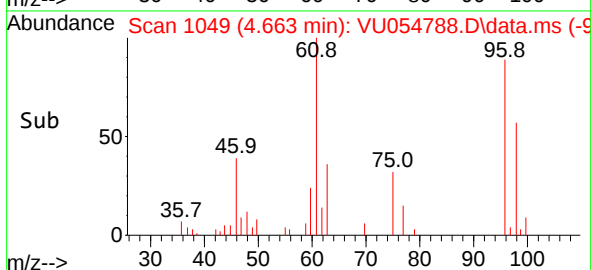
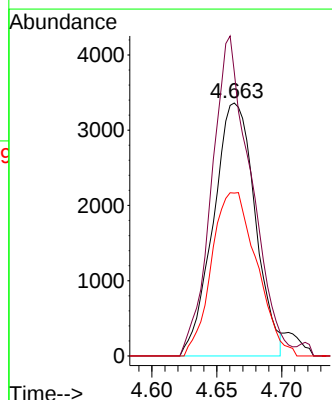
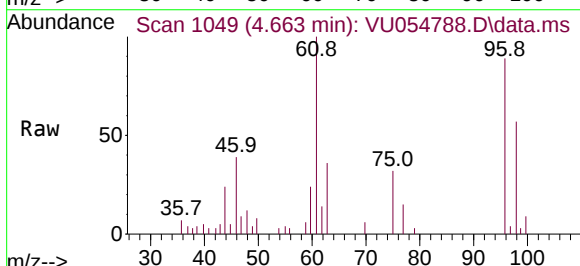
Tgt Ion: 96 Resp: 7522

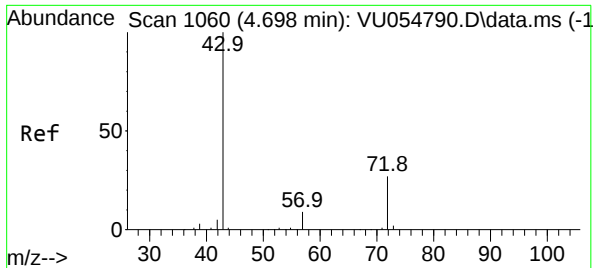
Ion Ratio Lower Upper

96 100

61 112.3 82.7 153.7

98 68.2 44.4 82.5





#22

2-Butanone

Concen: 7.329 ug/L

RT: 4.712 min Scan# 1064

Delta R.T. 0.013 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

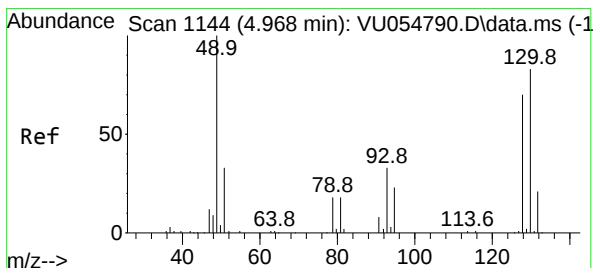
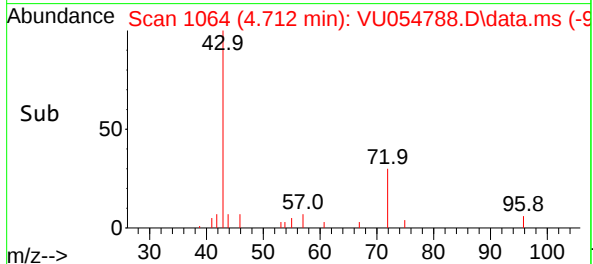
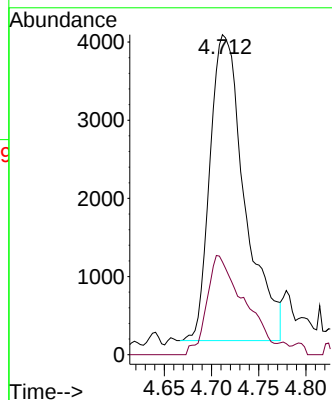
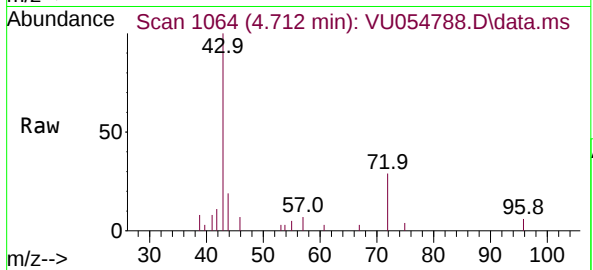
VSTD005029

Tgt Ion: 43 Resp: 10025

Ion Ratio Lower Upper

43 100

72 21.1 15.2 45.6



#23

Bromochloromethane

Concen: 4.162 ug/L

RT: 4.975 min Scan# 1146

Delta R.T. 0.007 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Tgt Ion: 128 Resp: 3885

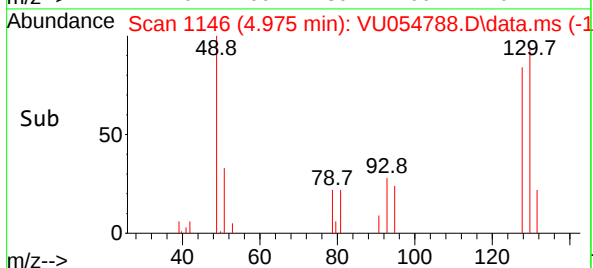
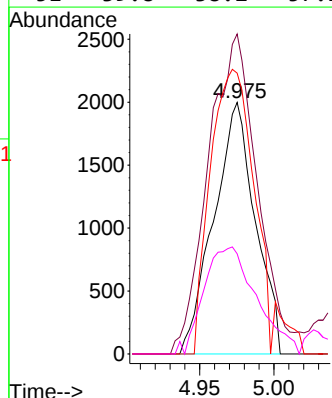
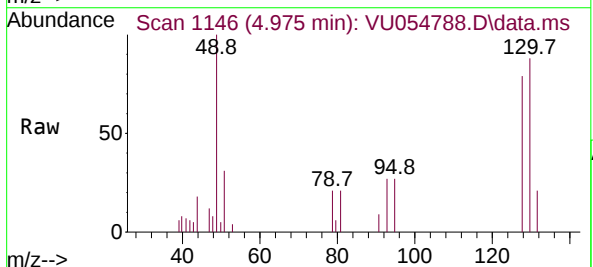
Ion Ratio Lower Upper

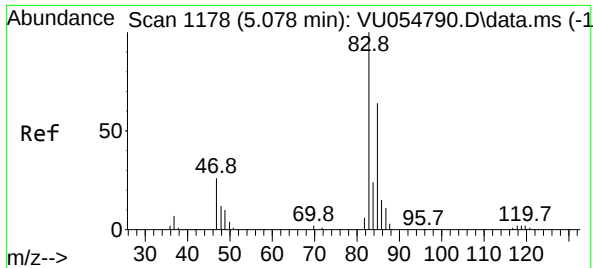
128 100

49 127.2 100.6 186.8

130 111.7 83.0 154.1

51 39.8 38.2 57.2

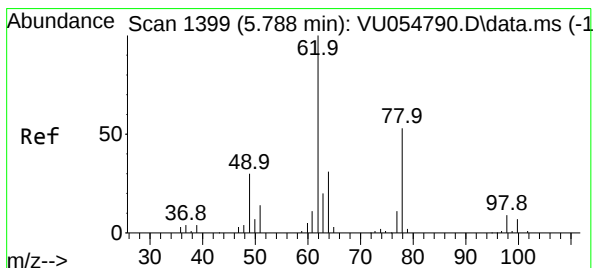
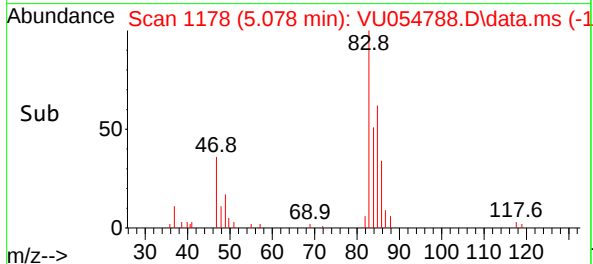
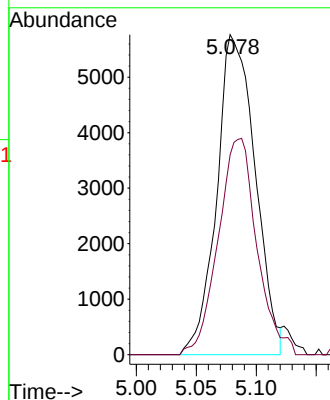
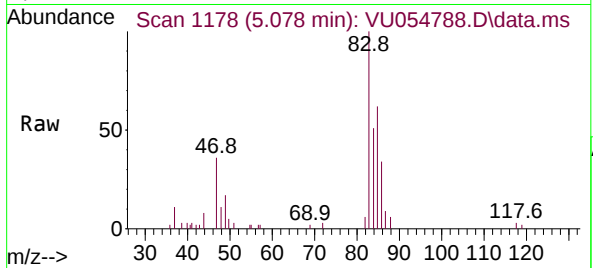




#25
Chloroform
Concen: 4.164 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

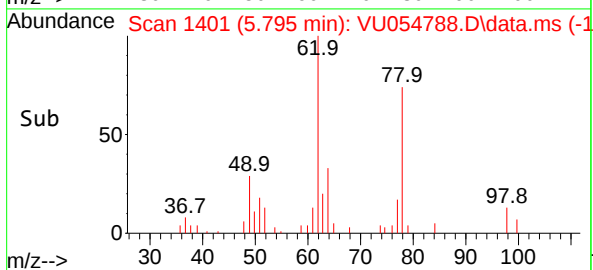
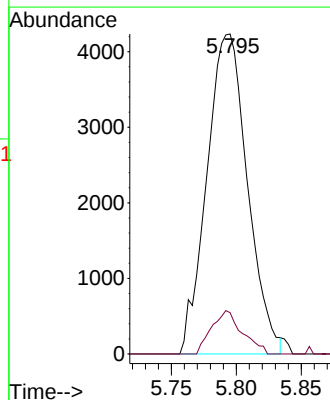
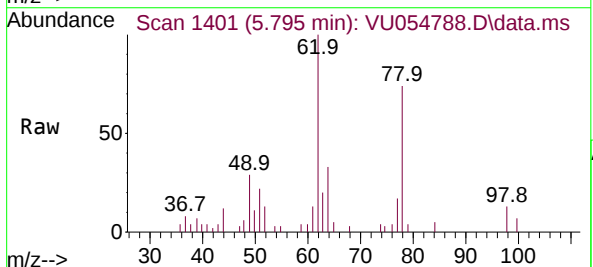
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

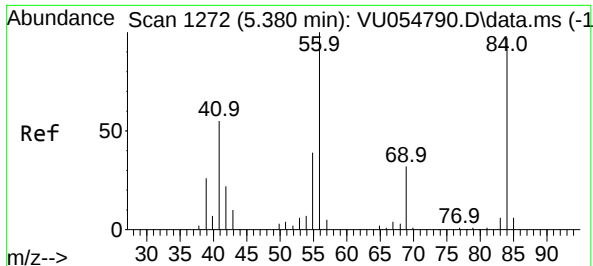
Tgt Ion: 83 Resp: 12863
Ion Ratio Lower Upper
83 100
85 62.5 44.7 82.9



#27
1,2-Dichloroethane
Concen: 3.926 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.007 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion: 62 Resp: 9211
Ion Ratio Lower Upper
62 100
98 12.9 7.5 11.3#





#29

Cyclohexane

Concen: 4.632 ug/L

RT: 5.377 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

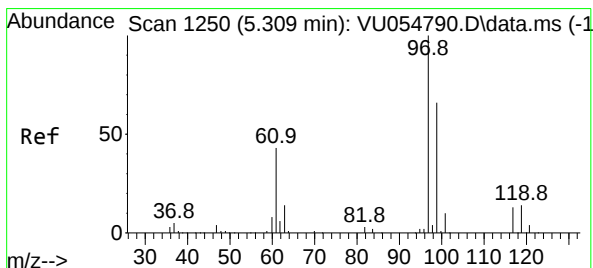
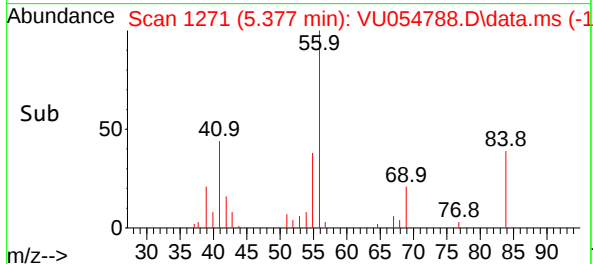
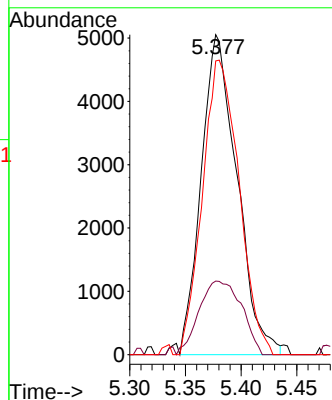
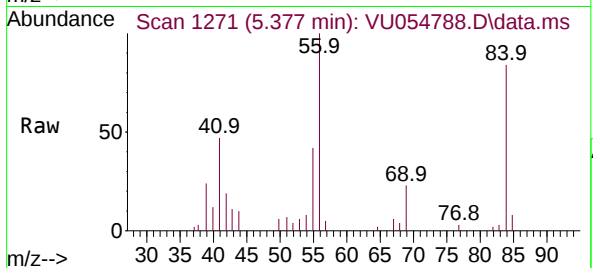
Tgt Ion: 56 Resp: 11299

Ion Ratio Lower Upper

56 100

69 27.3 25.8 38.8

84 94.0 75.9 113.9



#30

1,1,1-Trichloroethane

Concen: 4.460 ug/L

RT: 5.310 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

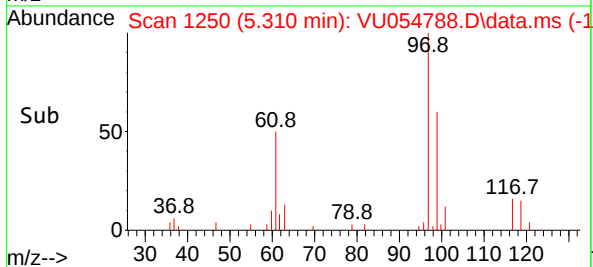
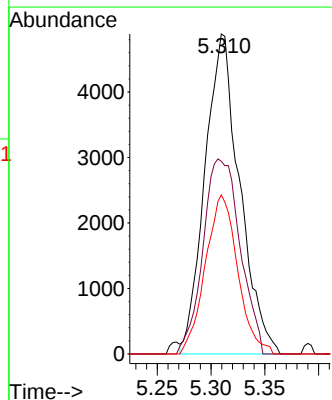
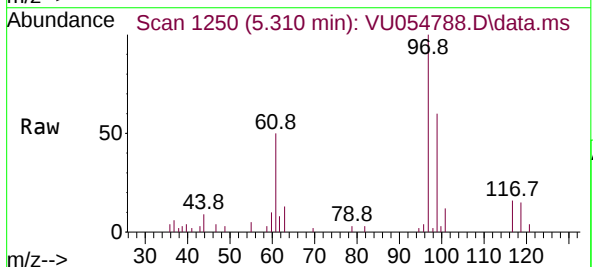
Tgt Ion: 97 Resp: 10980

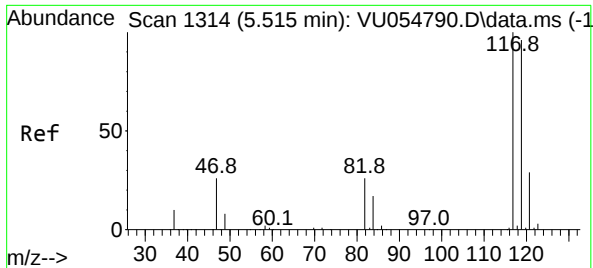
Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

61 46.2 34.3 51.5

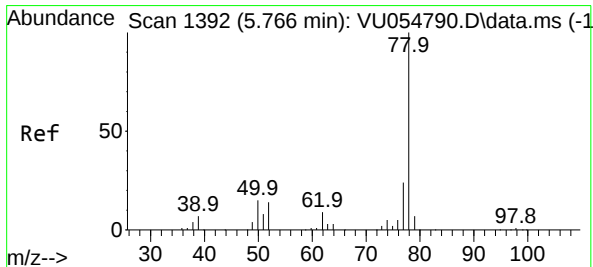
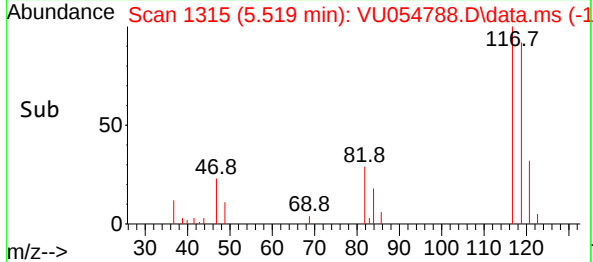
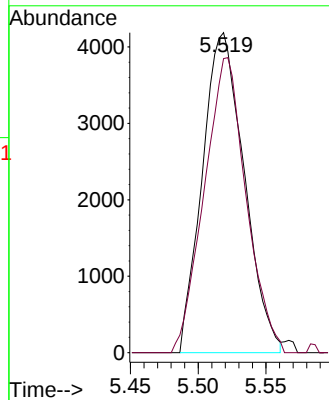
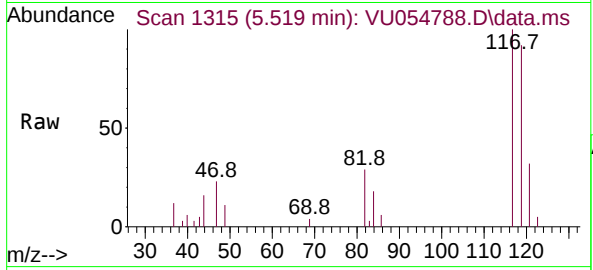




#31
Carbon tetrachloride
Concen: 4.228 ug/L
RT: 5.519 min Scan# 117
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

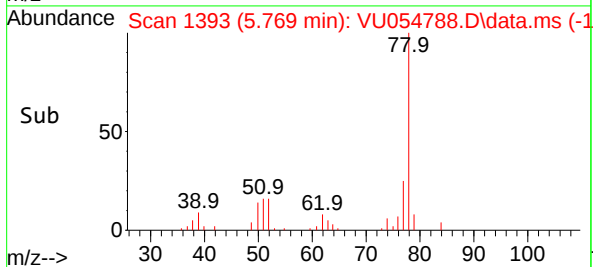
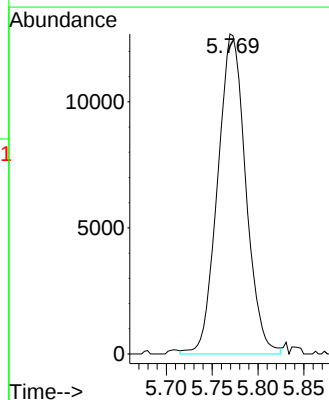
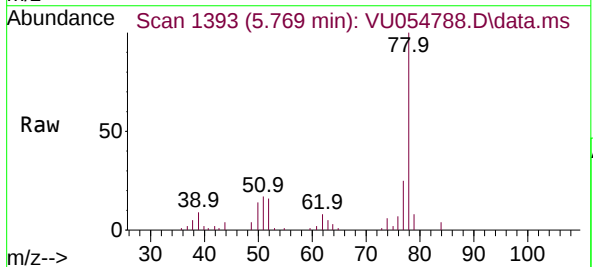
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

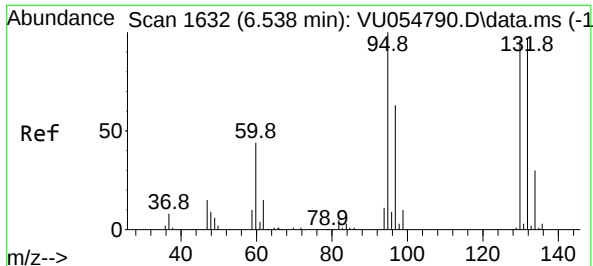
Tgt Ion:117 Resp: 8989
Ion Ratio Lower Upper
117 100
119 92.3 77.4 116.2



#33
Benzene
Concen: 4.260 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion: 78 Resp: 27073

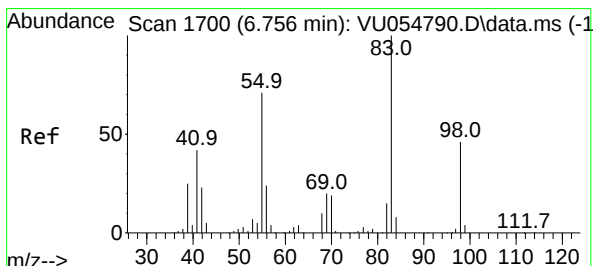
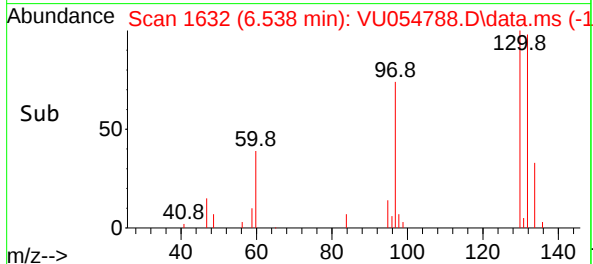
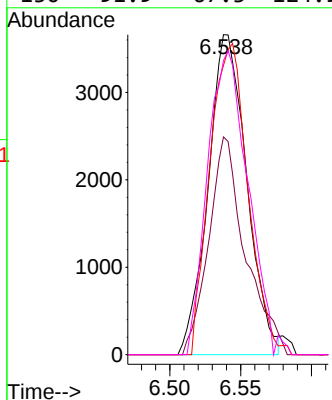
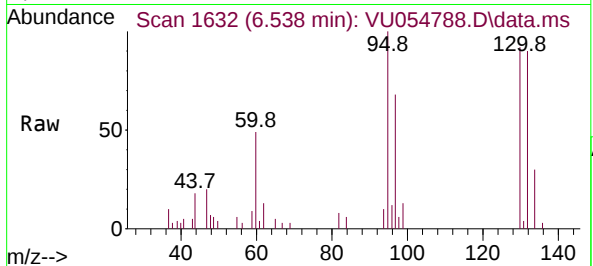




#34
Trichloroethene
Concen: 4.279 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

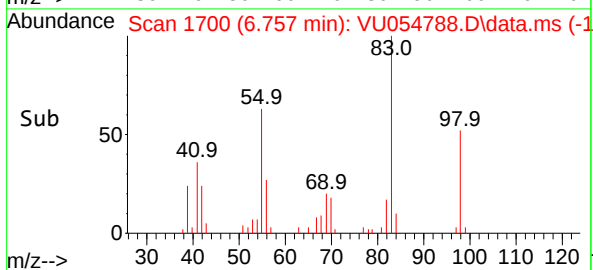
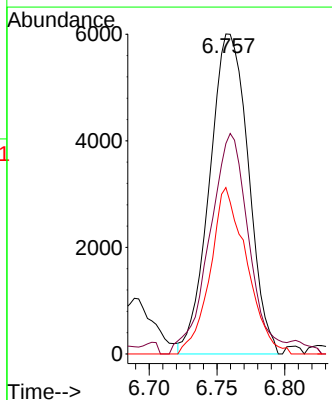
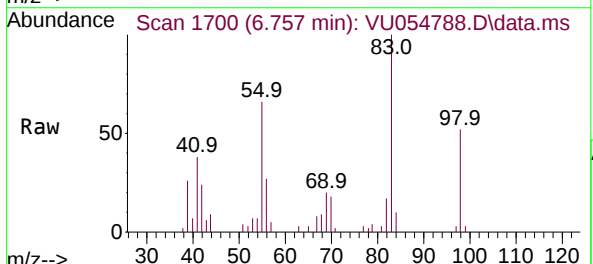
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

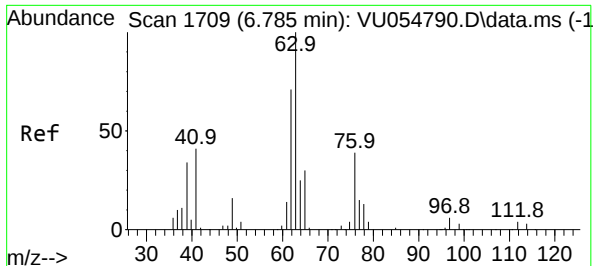
Tgt Ion:	95	Resp:	6922
Ion	Ratio	Lower	Upper
95	100		
97	74.3	44.0	81.8
132	90.4	67.9	126.1
130	91.9	67.3	124.9



#35
Methylcyclohexane
Concen: 4.518 ug/L
RT: 6.757 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:	83	Resp:	11946
Ion	Ratio	Lower	Upper
83	100		
55	69.4	55.8	83.8
98	48.7	38.6	58.0

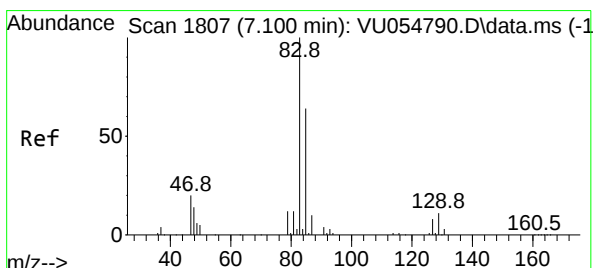
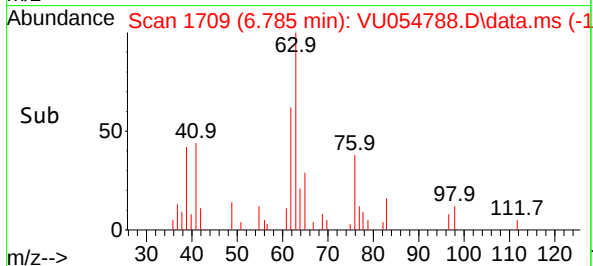
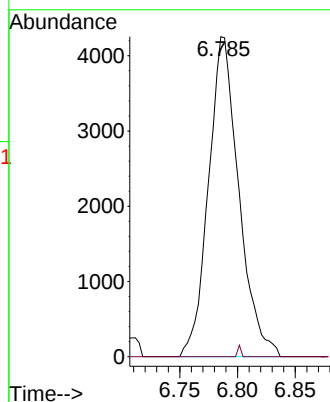
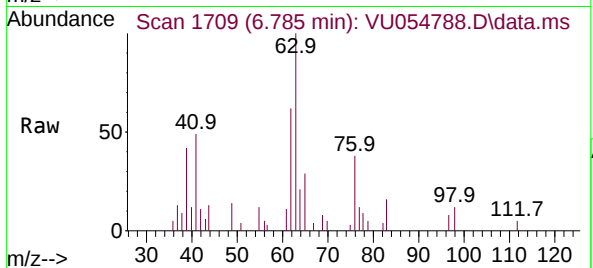




#37
1,2-Dichloropropane
Concen: 4.453 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

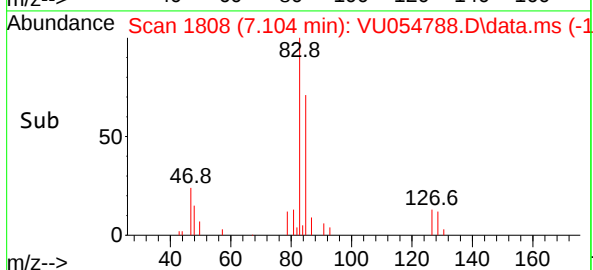
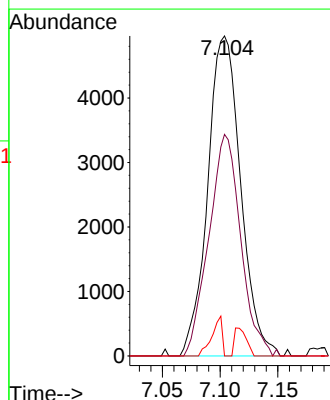
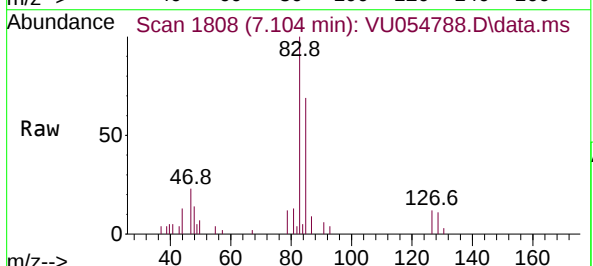
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

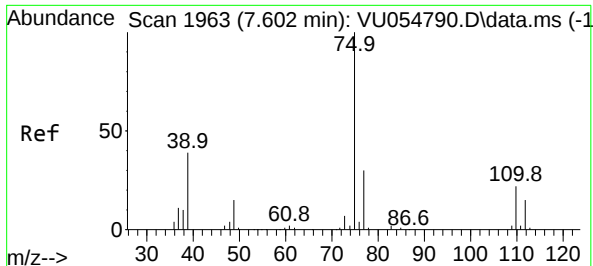
Tgt Ion: 63 Resp: 7783
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#38
Bromodichloromethane
Concen: 4.402 ug/L
RT: 7.104 min Scan# 1808
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion: 83 Resp: 9872
Ion Ratio Lower Upper
83 100
85 69.3 44.9 83.3
127 0.0 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 4.464 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

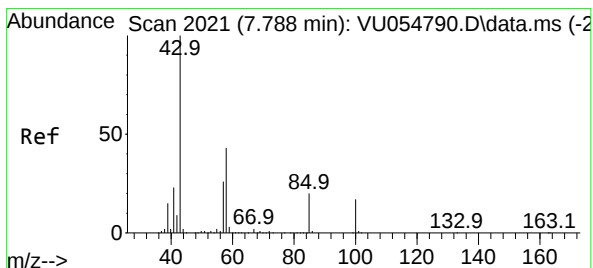
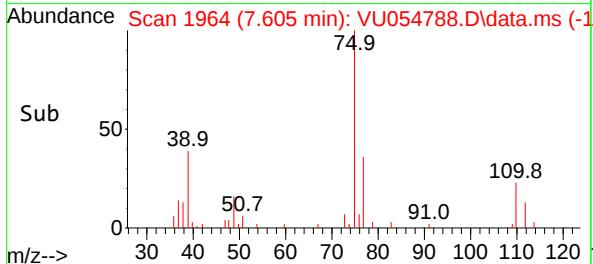
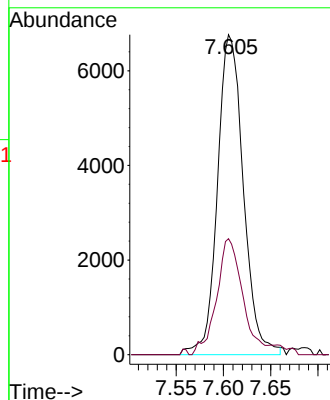
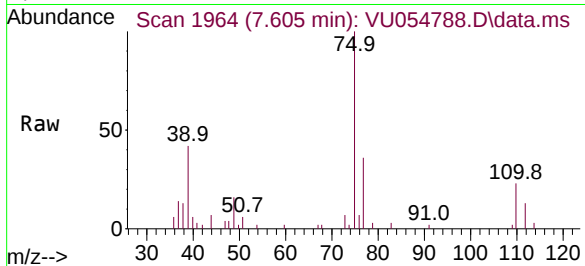
VSTD005029

Tgt Ion: 75 Resp: 12868

Ion Ratio Lower Upper

75 100

77 36.2 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 8.381 ug/L

RT: 7.792 min Scan# 2022

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

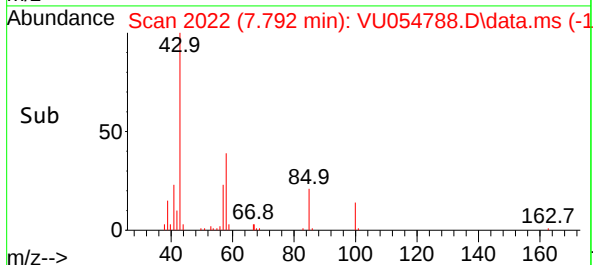
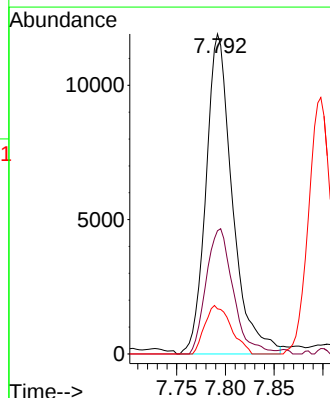
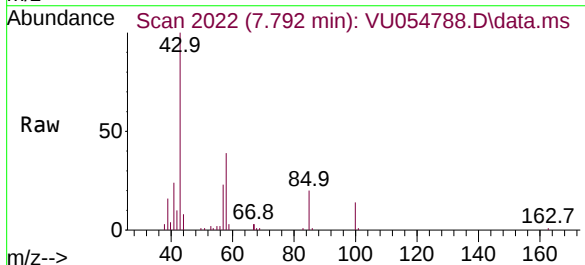
Tgt Ion: 43 Resp: 22431

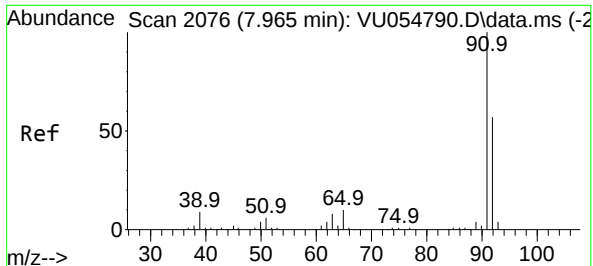
Ion Ratio Lower Upper

43 100

58 40.2 33.7 50.5

100 15.1 13.0 19.4





#42

Toluene

Concen: 4.271 ug/L

RT: 7.969 min Scan# 2076

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

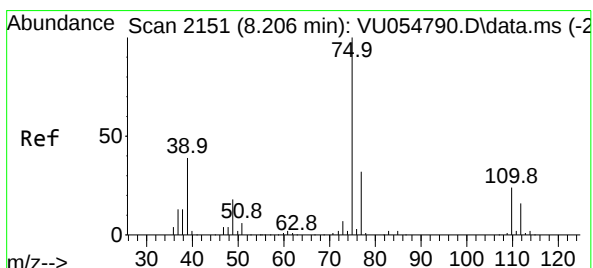
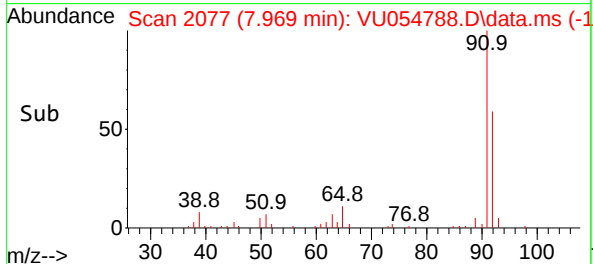
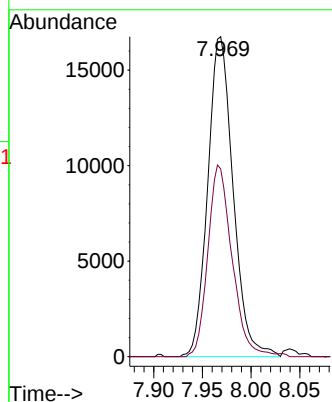
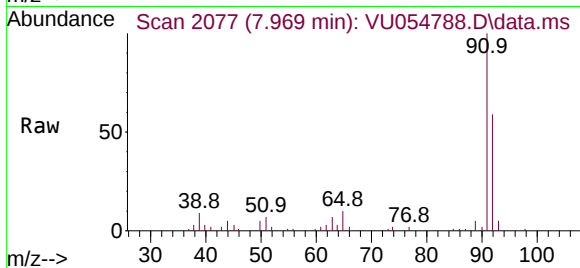
VSTD005029

Tgt Ion: 91 Resp: 30377

Ion Ratio Lower Upper

91 100

92 58.7 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 4.209 ug/L

RT: 8.210 min Scan# 2152

Delta R.T. 0.004 min

Lab File: VU054788.D

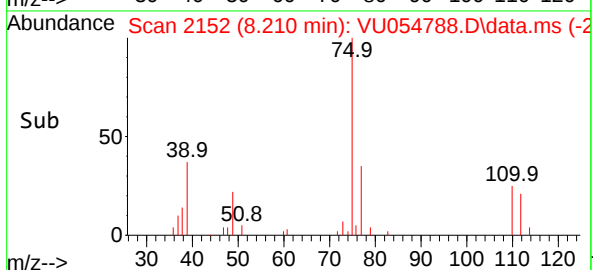
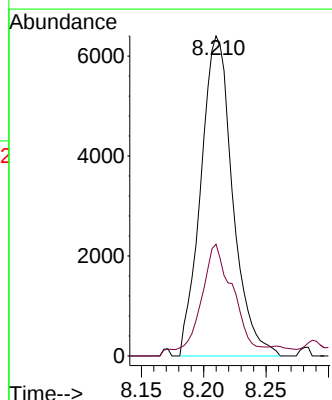
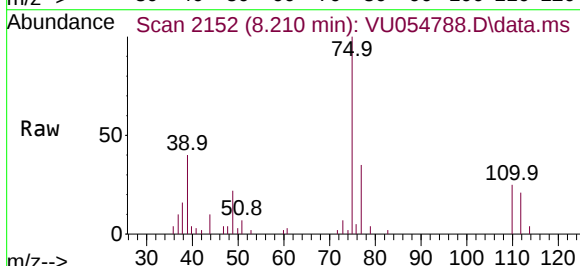
Acq: 17 Jul 2023 09:50

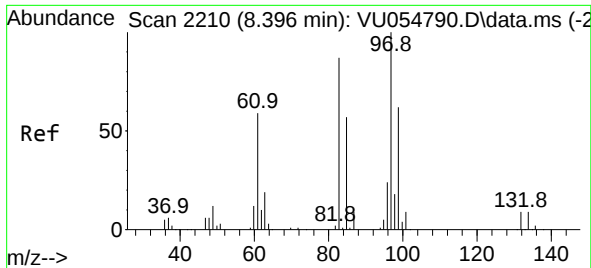
Tgt Ion: 75 Resp: 11400

Ion Ratio Lower Upper

75 100

77 33.3 22.7 42.1

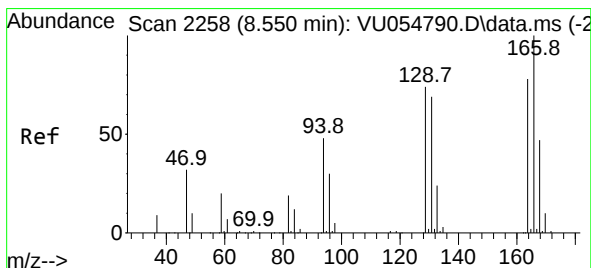
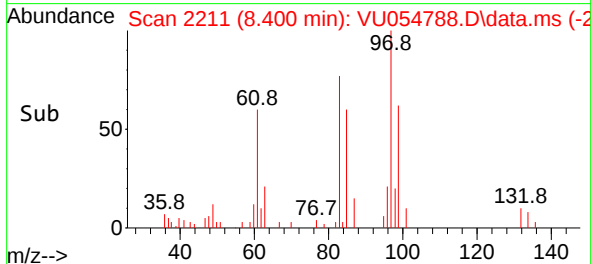
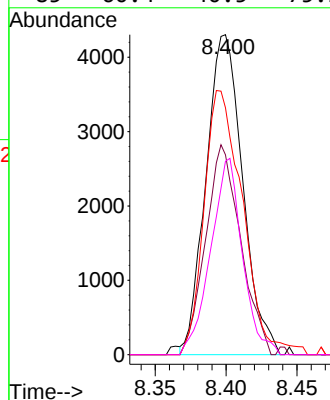
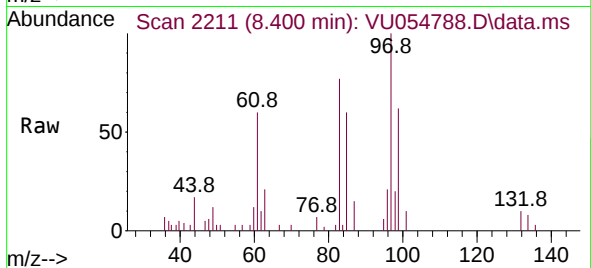




#45
1,1,2-Trichloroethane
Concen: 4.353 ug/L
RT: 8.400 min Scan# 2211
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

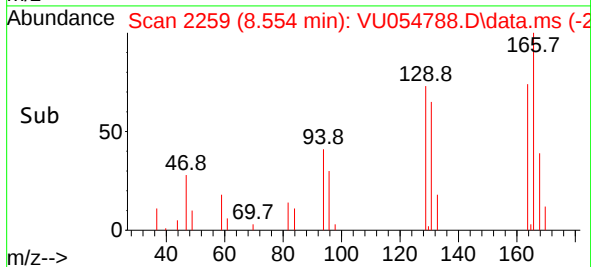
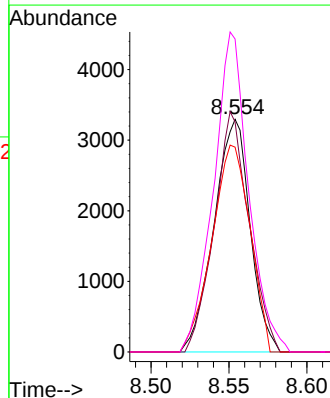
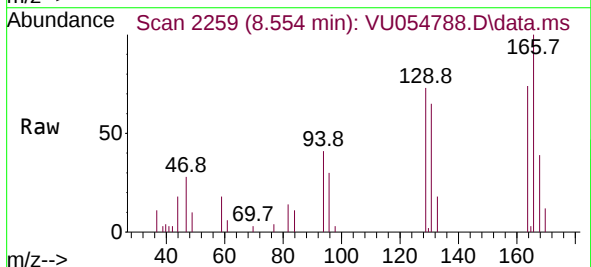
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

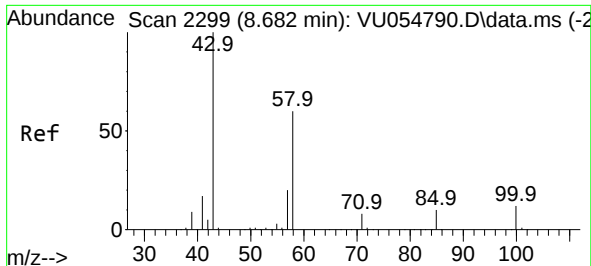
Tgt Ion:	97	Resp:	7758
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.3	80.5
83	77.2	60.6	112.6
85	60.4	40.5	75.3



#46
Tetrachloroethene
Concen: 4.289 ug/L
RT: 8.554 min Scan# 2259
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:	164	Resp:	5320
Ion	Ratio	Lower	Upper
164	100		
129	101.8	66.2	123.0
131	88.0	61.9	115.1
166	134.5	89.2	165.8

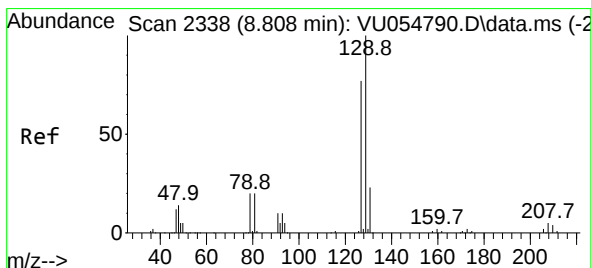
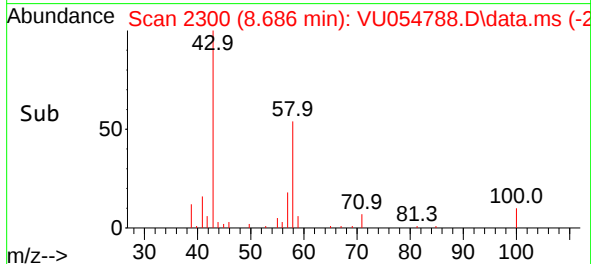
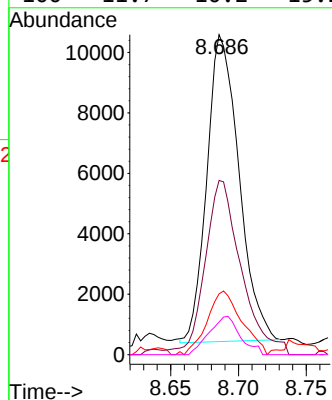
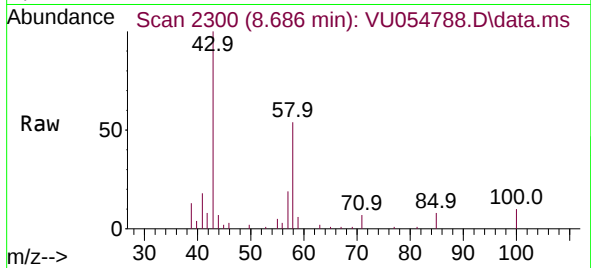




#48
2-Hexanone
Concen: 7.724 ug/L
RT: 8.686 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

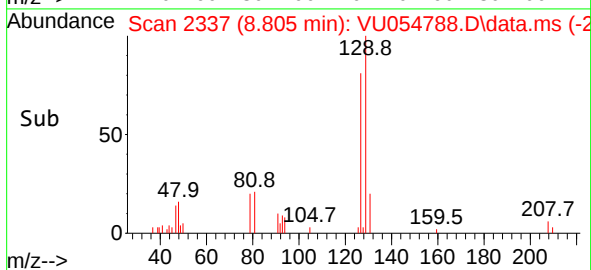
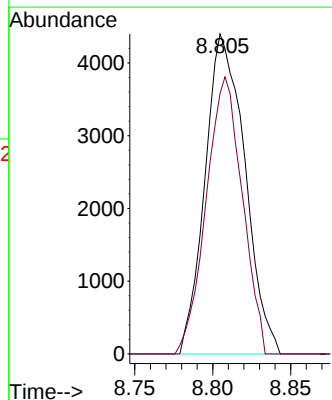
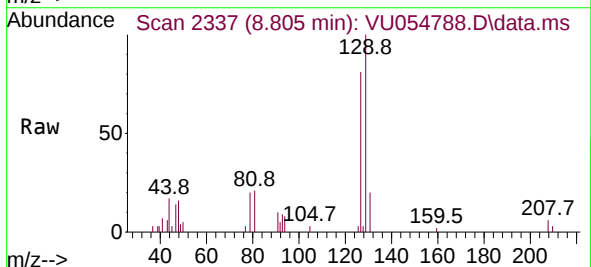
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

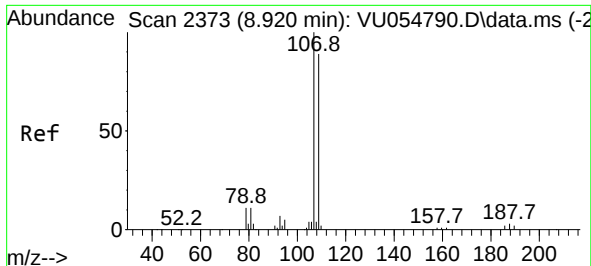
Tgt Ion: 43	Resp: 16707
Ion Ratio	Lower Upper
43 100	
58 60.2	46.5 69.7
57 22.2	15.4 23.2
100 11.7	10.2 15.2



#49
Dibromochloromethane
Concen: 4.241 ug/L
RT: 8.805 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion: 129	Resp: 7785
Ion Ratio	Lower Upper
129 100	
127 84.0	54.4 101.0





#50

1,2-Dibromoethane

Concen: 4.368 ug/L

RT: 8.924 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

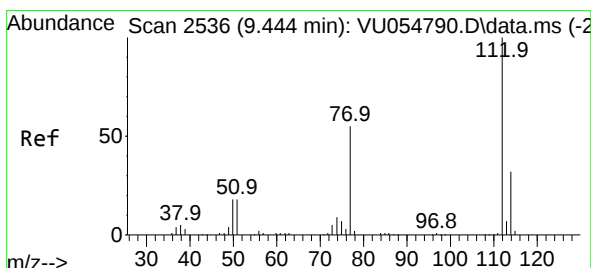
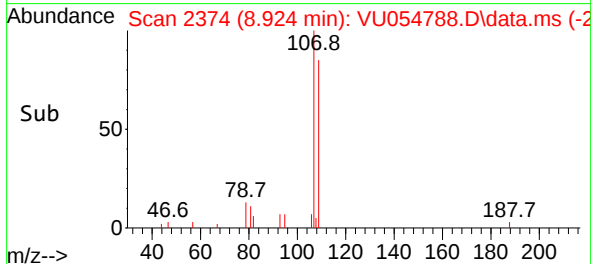
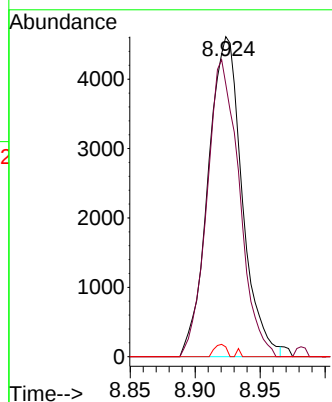
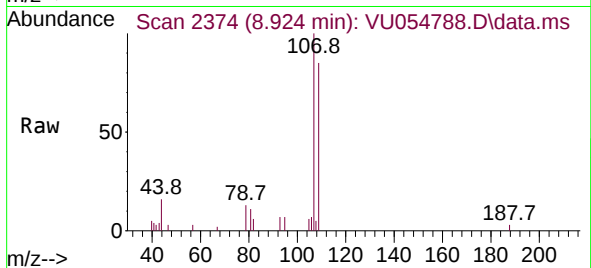
Tgt Ion:107 Resp: 8379

Ion Ratio Lower Upper

107 100

109 81.2 62.5 116.1

188 2.9 2.6 4.0



#51

Chlorobenzene

Concen: 4.342 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

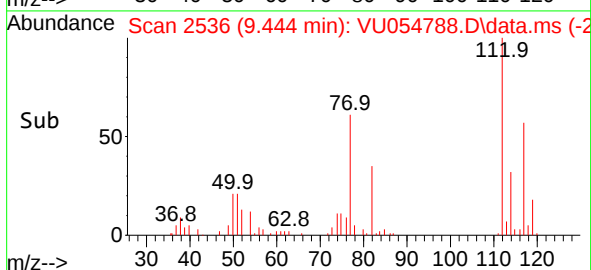
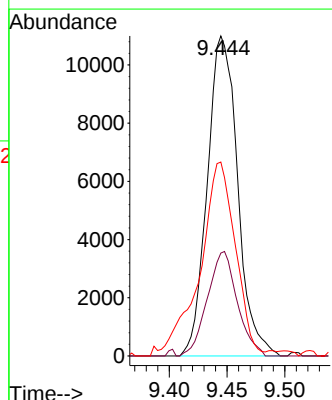
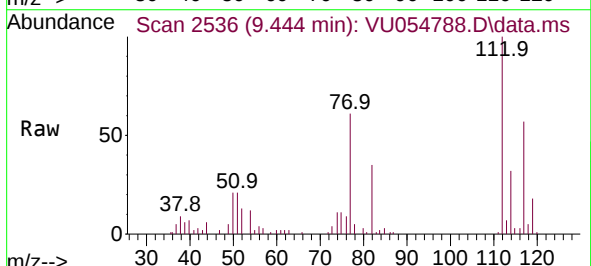
Tgt Ion:112 Resp: 20091

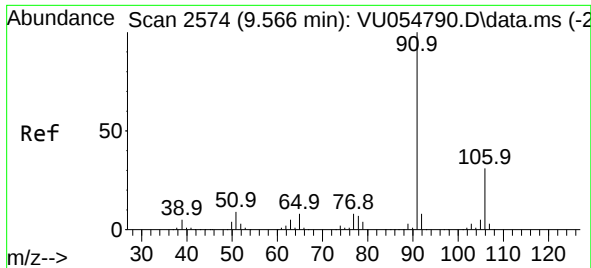
Ion Ratio Lower Upper

112 100

114 34.9 22.3 41.5

77 60.6 44.2 66.4

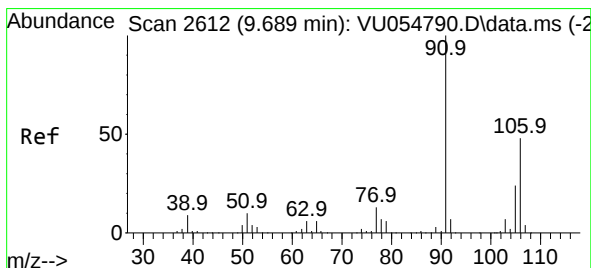
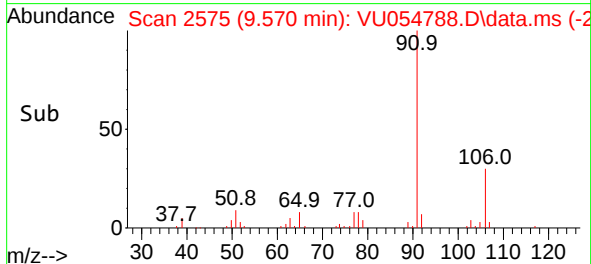
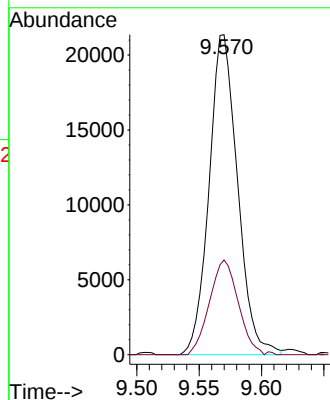
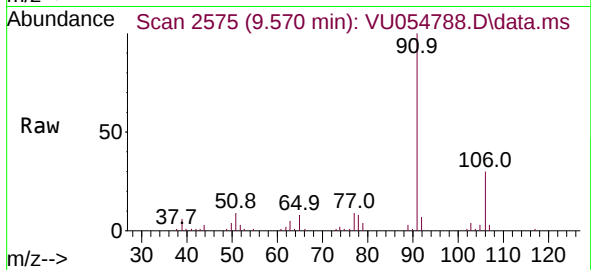




#52
Ethylbenzene
Concen: 4.136 ug/L
RT: 9.570 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

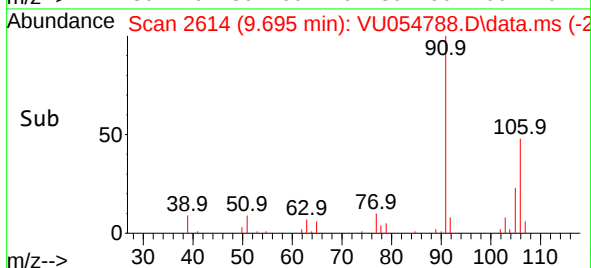
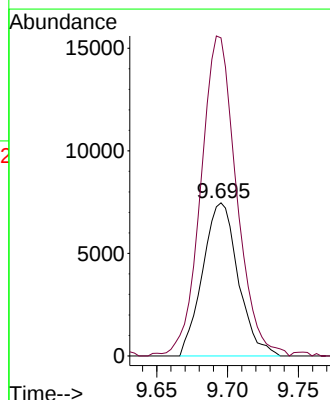
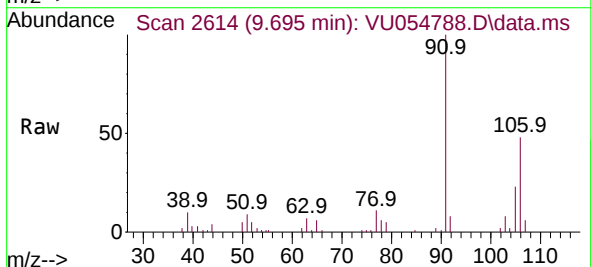
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

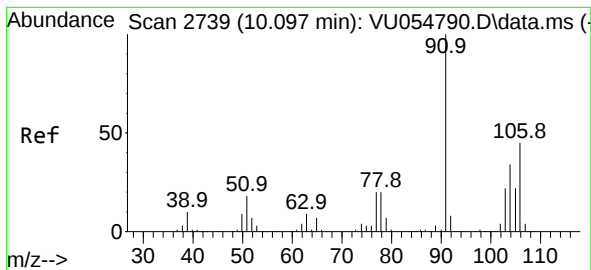
Tgt Ion: 91 Resp: 34007
Ion Ratio Lower Upper
91 100
106 32.4 23.5 43.7



#53
m,p-Xylene
Concen: 4.161 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.007 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:106 Resp: 13027
Ion Ratio Lower Upper
106 100
91 201.0 133.3 247.7





#54

o-Xylene

Concen: 4.208 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

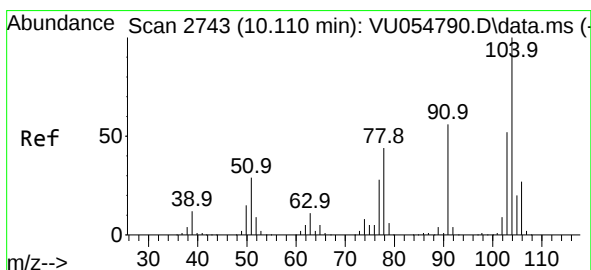
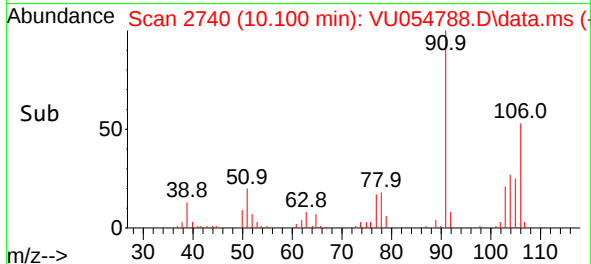
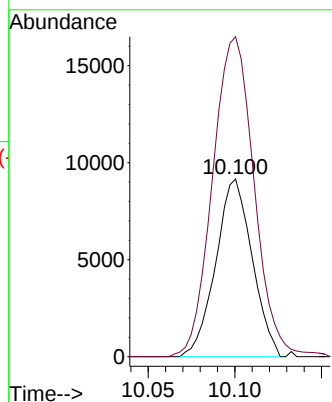
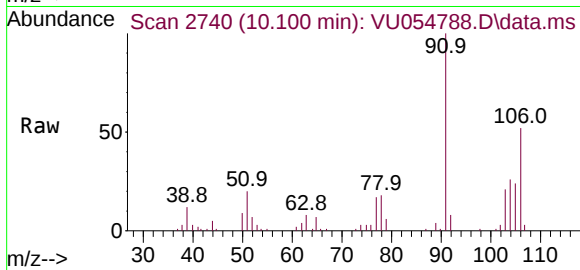
VSTD005029

Tgt Ion:106 Resp: 13383

Ion Ratio Lower Upper

106 100

91 180.2 142.0 263.8



#55

Styrene

Concen: 3.790 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.004 min

Lab File: VU054788.D

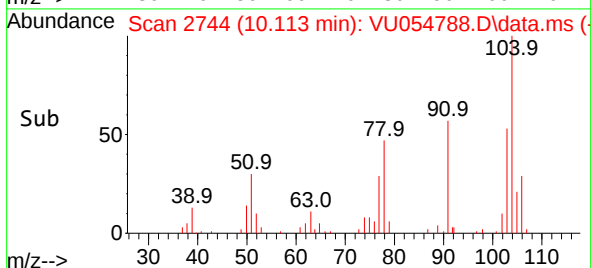
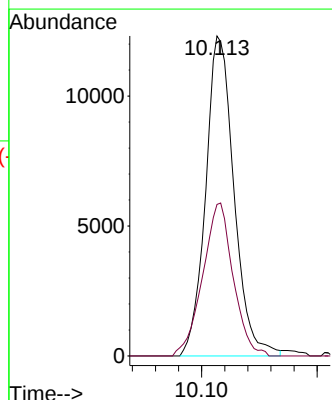
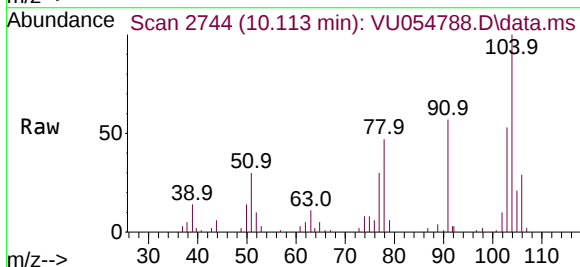
Acq: 17 Jul 2023 09:50

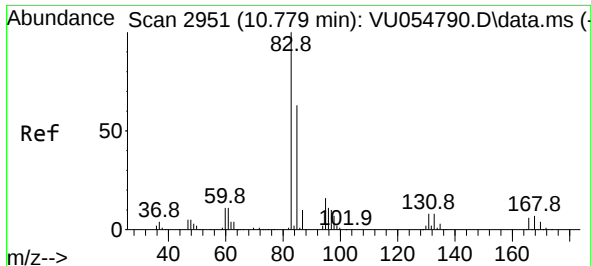
Tgt Ion:104 Resp: 20993

Ion Ratio Lower Upper

104 100

78 47.4 30.7 57.1

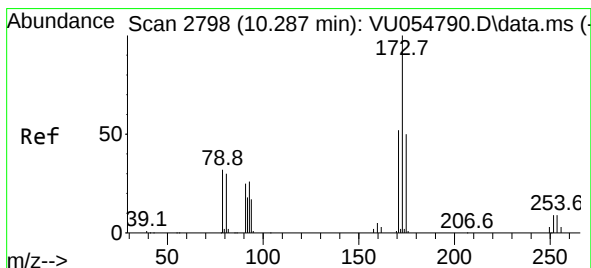
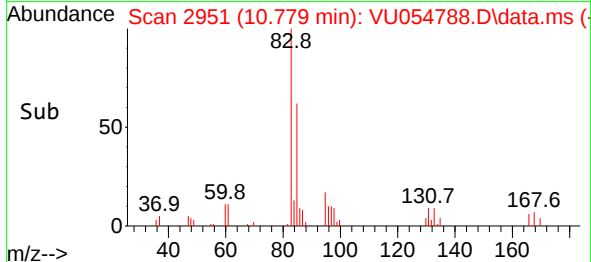
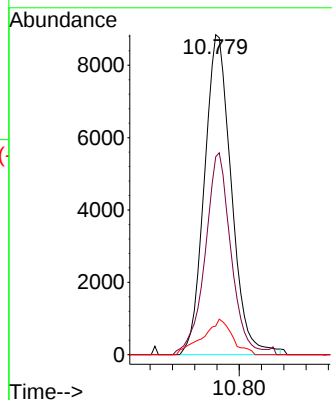
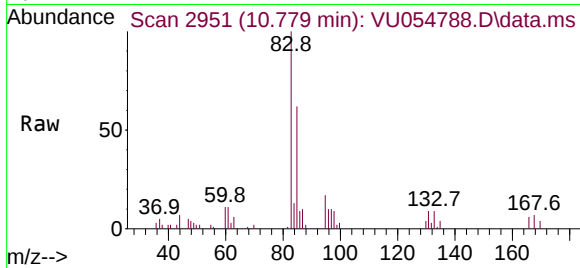




#57
1,1,2,2-Tetrachloroethane
Concen: 4.218 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

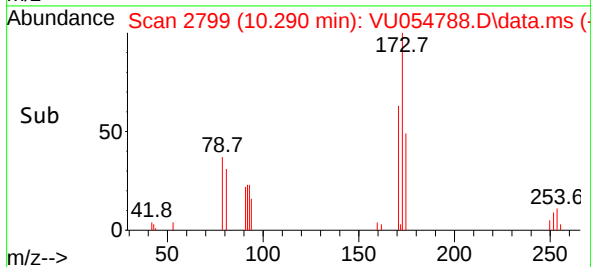
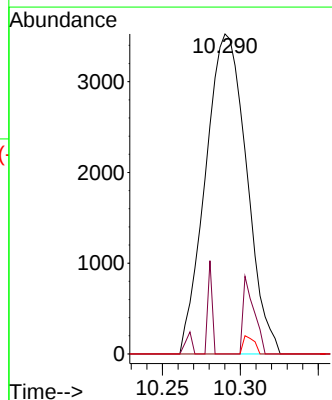
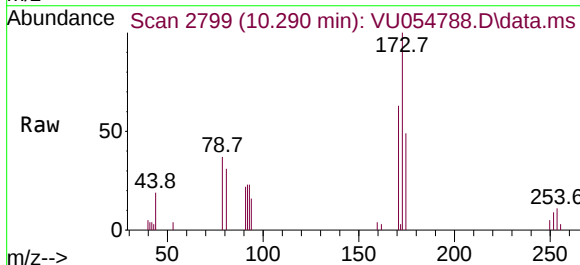
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

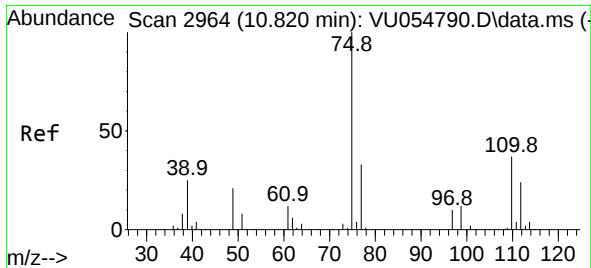
Tgt Ion: 83 Resp: 14842
Ion Ratio Lower Upper
83 100
85 61.8 43.8 81.4
131 11.6 8.7 13.1



#59
Bromoform
Concen: 4.301 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:173 Resp: 6461
Ion Ratio Lower Upper
173 100
175 6.5 38.8 58.2#
254 1.5 2.4 3.6#

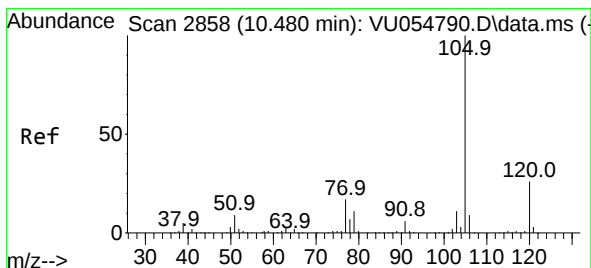
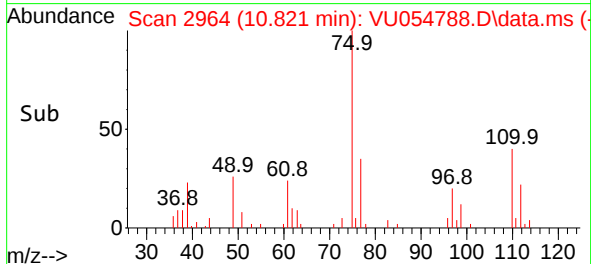
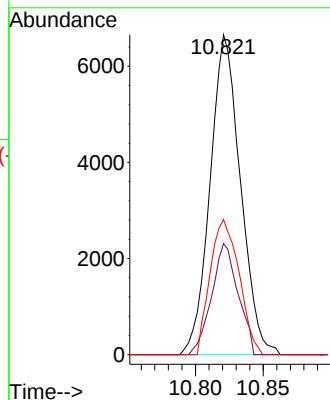
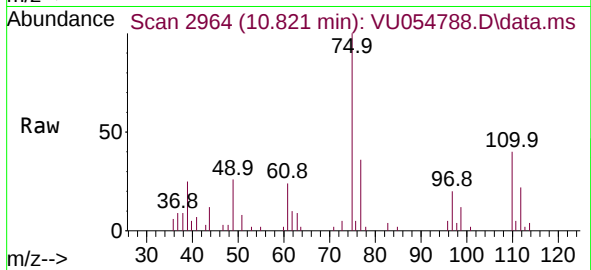




#60
1,2,3-Trichloropropane
Concen: 4.421 ug/L
RT: 10.821 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

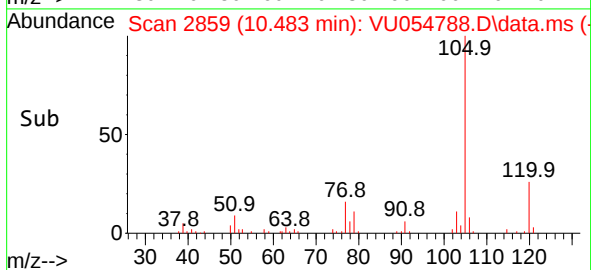
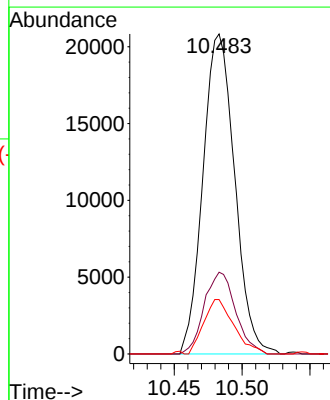
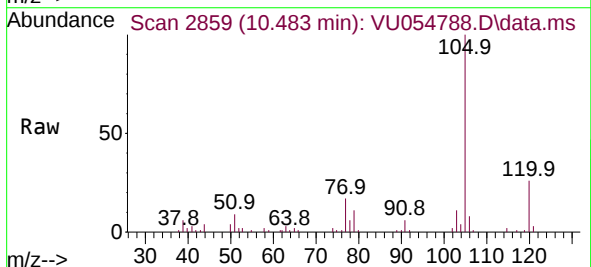
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

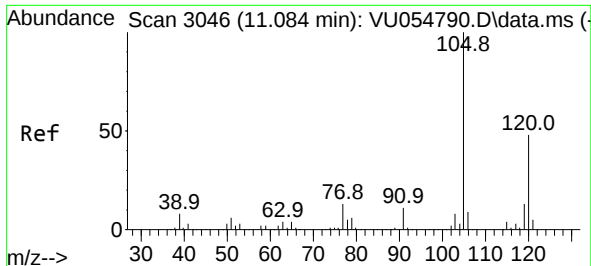
Tgt Ion:	75	Resp:	10360
Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.2	39.4
110	40.3	29.9	44.9



#61
Isopropylbenzene
Concen: 4.272 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:	105	Resp:	33897
Ion	Ratio	Lower	Upper
105	100		
120	25.3	21.4	32.0
77	16.1	12.8	19.2





#62

1,3,5-Trimethylbenzene

Concen: 4.112 ug/L

RT: 11.088 min Scan# 3046

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

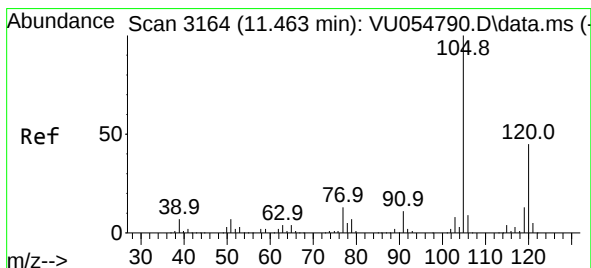
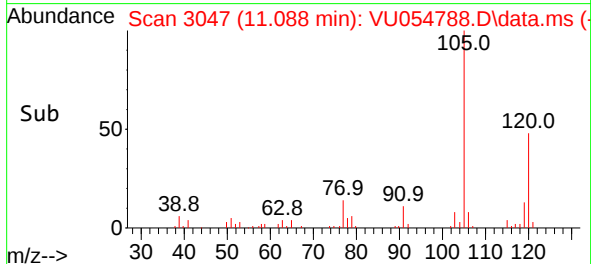
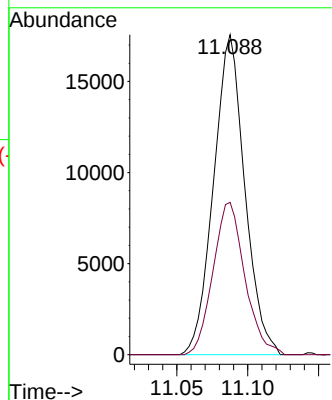
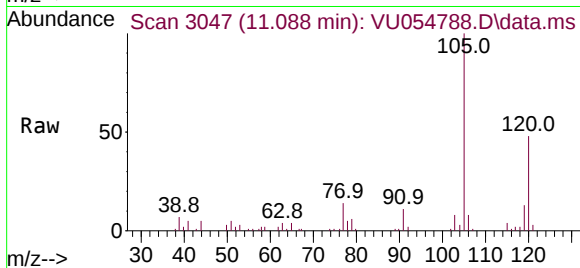
VSTD005029

Tgt Ion:105 Resp: 26872

Ion Ratio Lower Upper

105 100

120 48.6 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 3.946 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.004 min

Lab File: VU054788.D

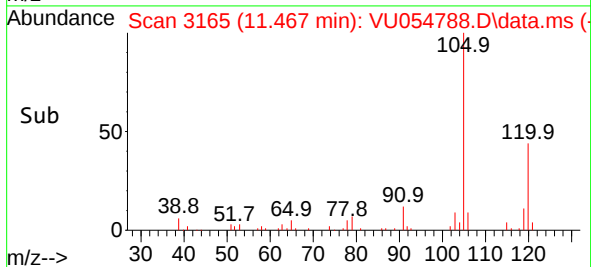
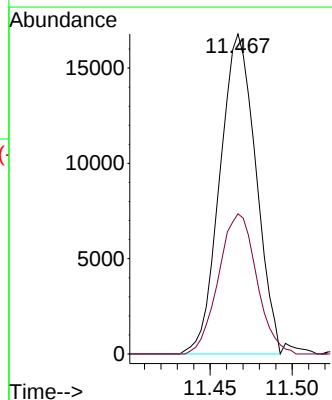
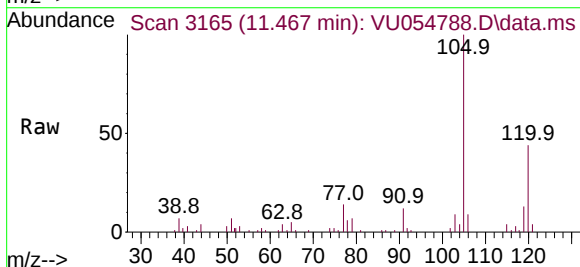
Acq: 17 Jul 2023 09:50

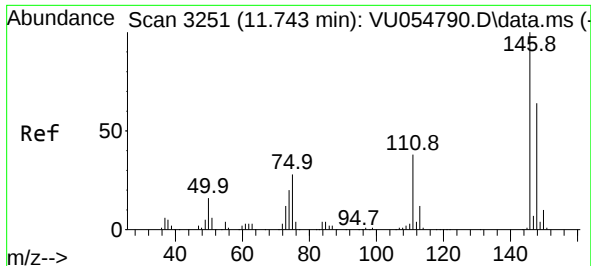
Tgt Ion:105 Resp: 25557

Ion Ratio Lower Upper

105 100

120 46.3 36.2 54.2

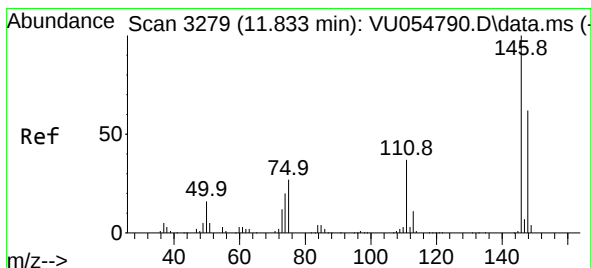
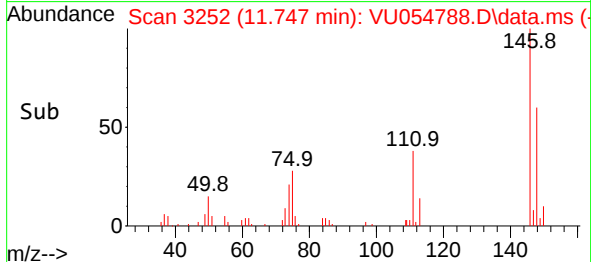
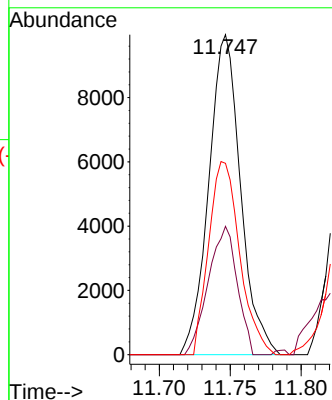
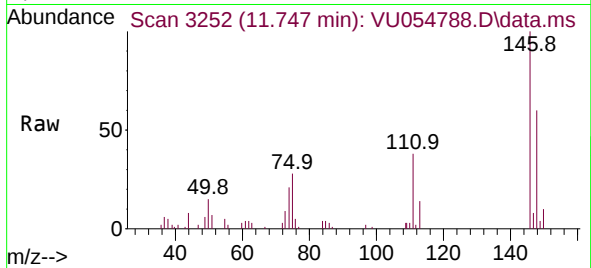




#64
1,3-Dichlorobenzene
Concen: 4.222 ug/L
RT: 11.747 min Scan# 31
Delta R.T. 0.004 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

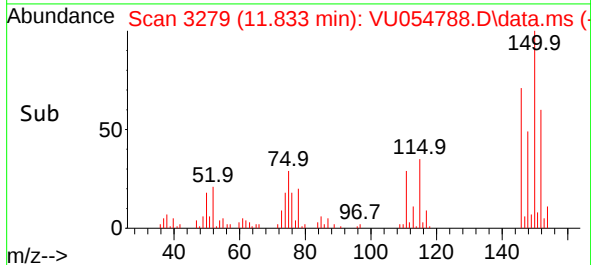
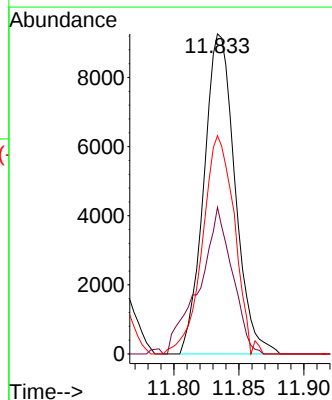
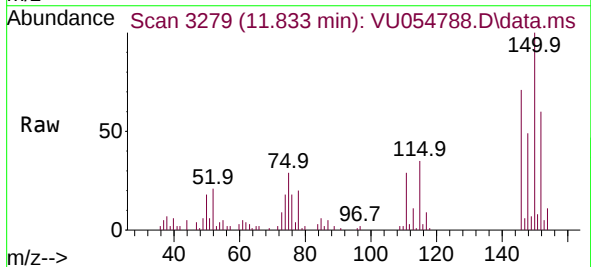
Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

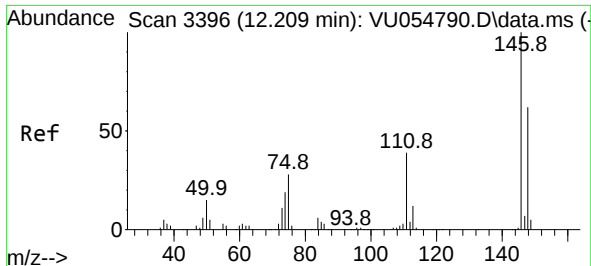
Tgt Ion:146 Resp: 15537
Ion Ratio Lower Upper
146 100
111 37.1 25.2 46.8
148 58.8 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 4.167 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:146 Resp: 15446
Ion Ratio Lower Upper
146 100
111 45.9 24.1 44.8#
148 68.2 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 4.110 ug/L

RT: 12.213 min Scan# 31

Delta R.T. 0.004 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005029

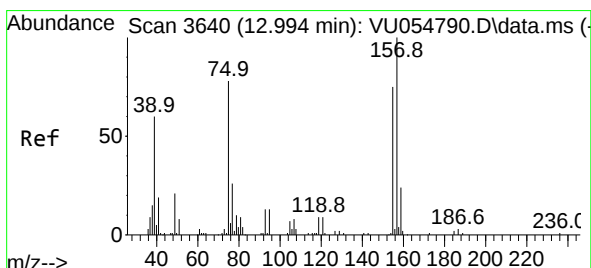
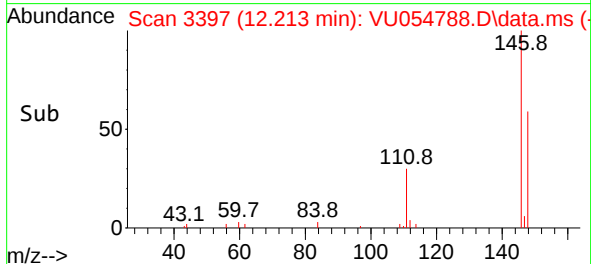
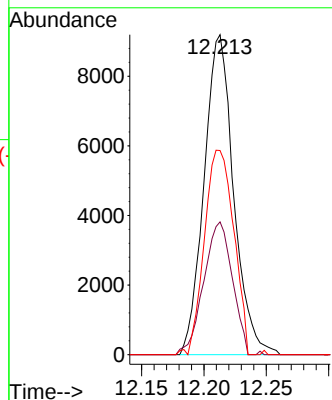
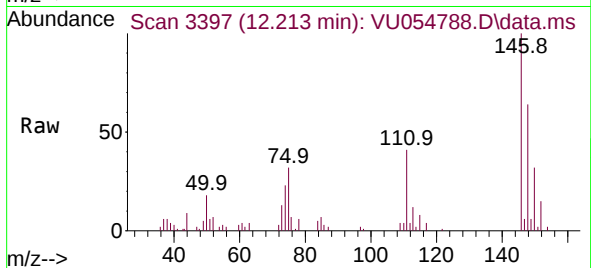
Tgt Ion:146 Resp: 15194

Ion Ratio Lower Upper

146 100

111 39.2 31.5 47.3

148 65.7 53.5 80.3



#68

1,2-Dibromo-3-chloropropane

Concen: 3.963 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU054788.D

Acq: 17 Jul 2023 09:50

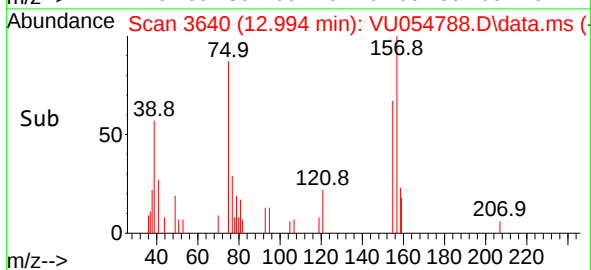
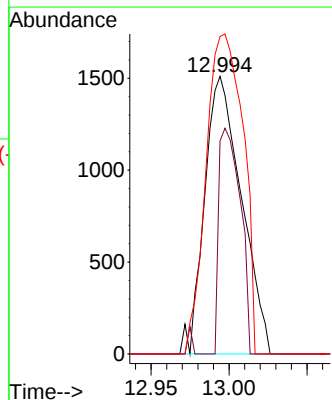
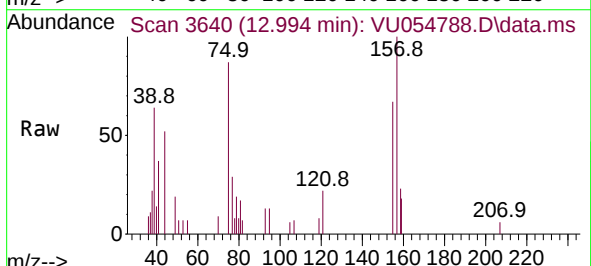
Tgt Ion: 75 Resp: 2482

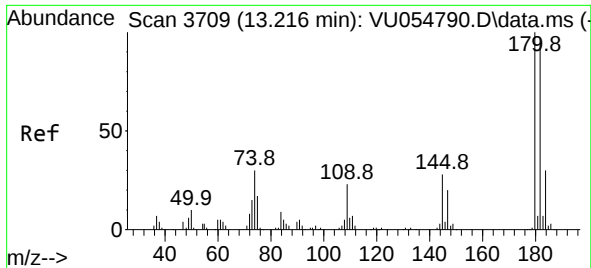
Ion Ratio Lower Upper

75 100

155 76.8 80.6 121.0#

157 114.4 106.5 159.7

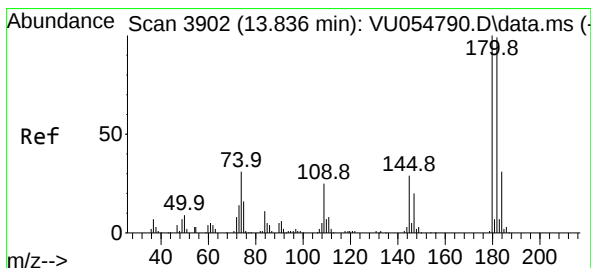
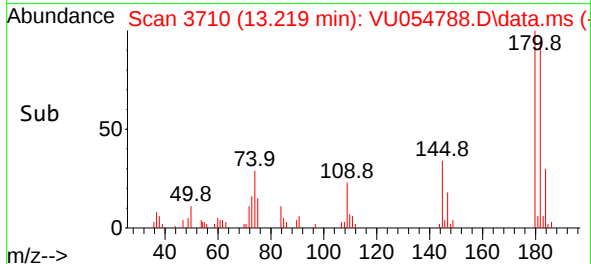
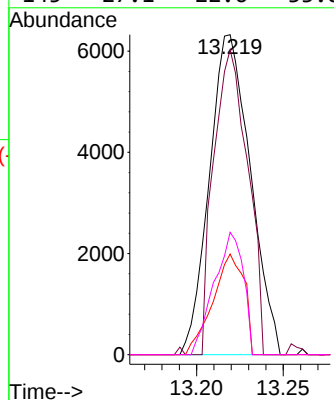
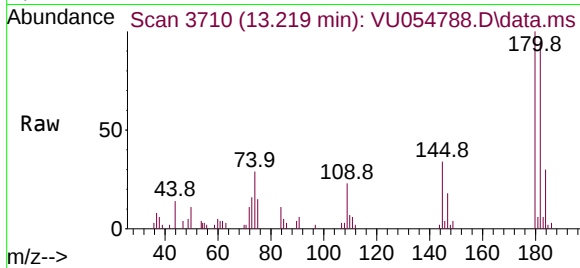




#69
 1,3,5-Trichlorobenzene
 Concen: 4.220 ug/L
 RT: 13.219 min Scan# 31
 Delta R.T. 0.004 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50

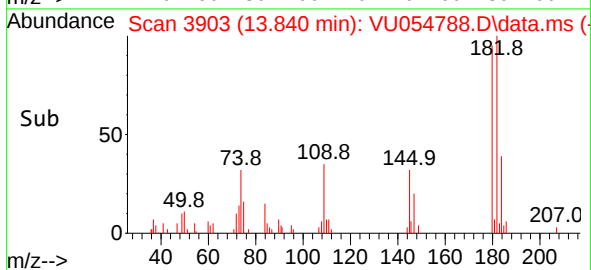
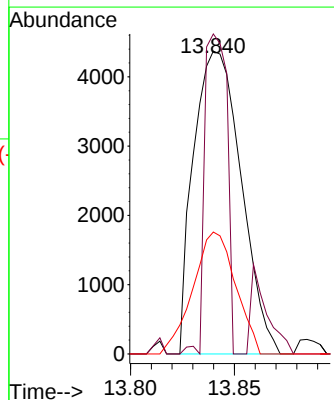
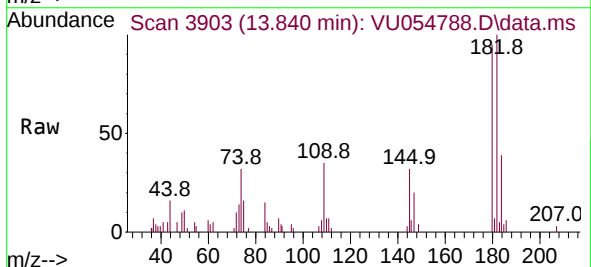
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005029

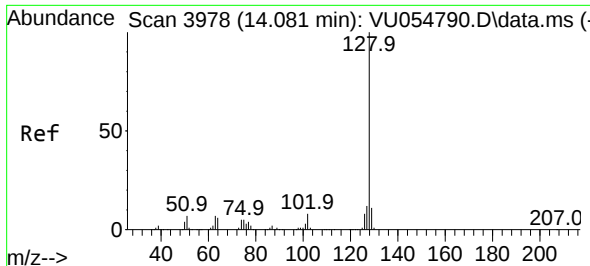
Tgt Ion:	180	Resp:	10410
Ion Ratio	Lower	Upper	
180	100		
182	78.7	76.7	115.1
184	24.0	23.4	35.0
145	27.1	22.6	33.8



#70
 1,2,4-trichlorobenzene
 Concen: 3.264 ug/L
 RT: 13.840 min Scan# 3903
 Delta R.T. 0.004 min
 Lab File: VU054788.D
 Acq: 17 Jul 2023 09:50

Tgt Ion:	180	Resp:	6951
Ion Ratio	Lower	Upper	
180	100		
182	48.8	76.8	115.2#
145	36.1	23.0	34.6#

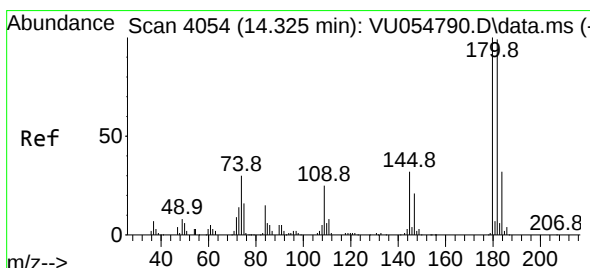
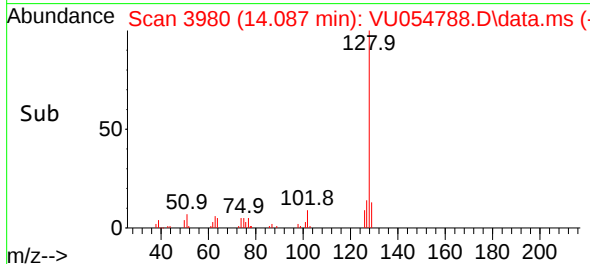
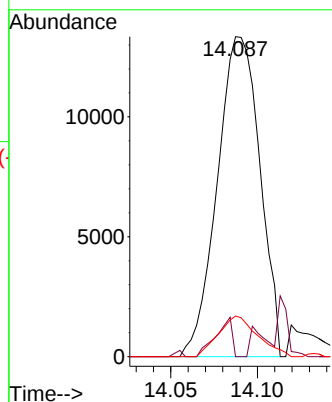
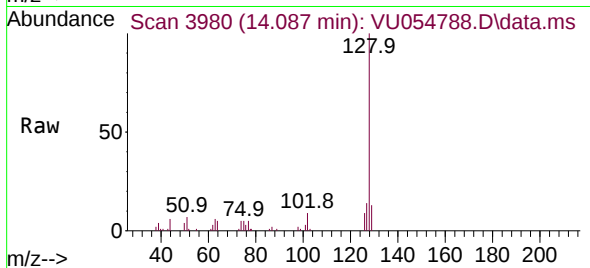




#71
Naphthalene
Concen: 3.266 ug/L
RT: 14.087 min Scan# 3978
Delta R.T. 0.007 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005029

Tgt Ion:128 Resp: 22827
Ion Ratio Lower Upper
128 100
127 4.7 10.0 15.0#
129 11.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 3.744 ug/L
RT: 14.332 min Scan# 4056
Delta R.T. 0.007 min
Lab File: VU054788.D
Acq: 17 Jul 2023 09:50

Tgt Ion:180 Resp: 7765
Ion Ratio Lower Upper
180 100
182 70.5 76.6 115.0#
145 27.8 25.4 38.2

