

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054292.D
 Acq On : 26 May 2023 17:48
 Operator : JC/MD
 Sample : 02936-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40S-20230524

Quant Time: May 30 00:04:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

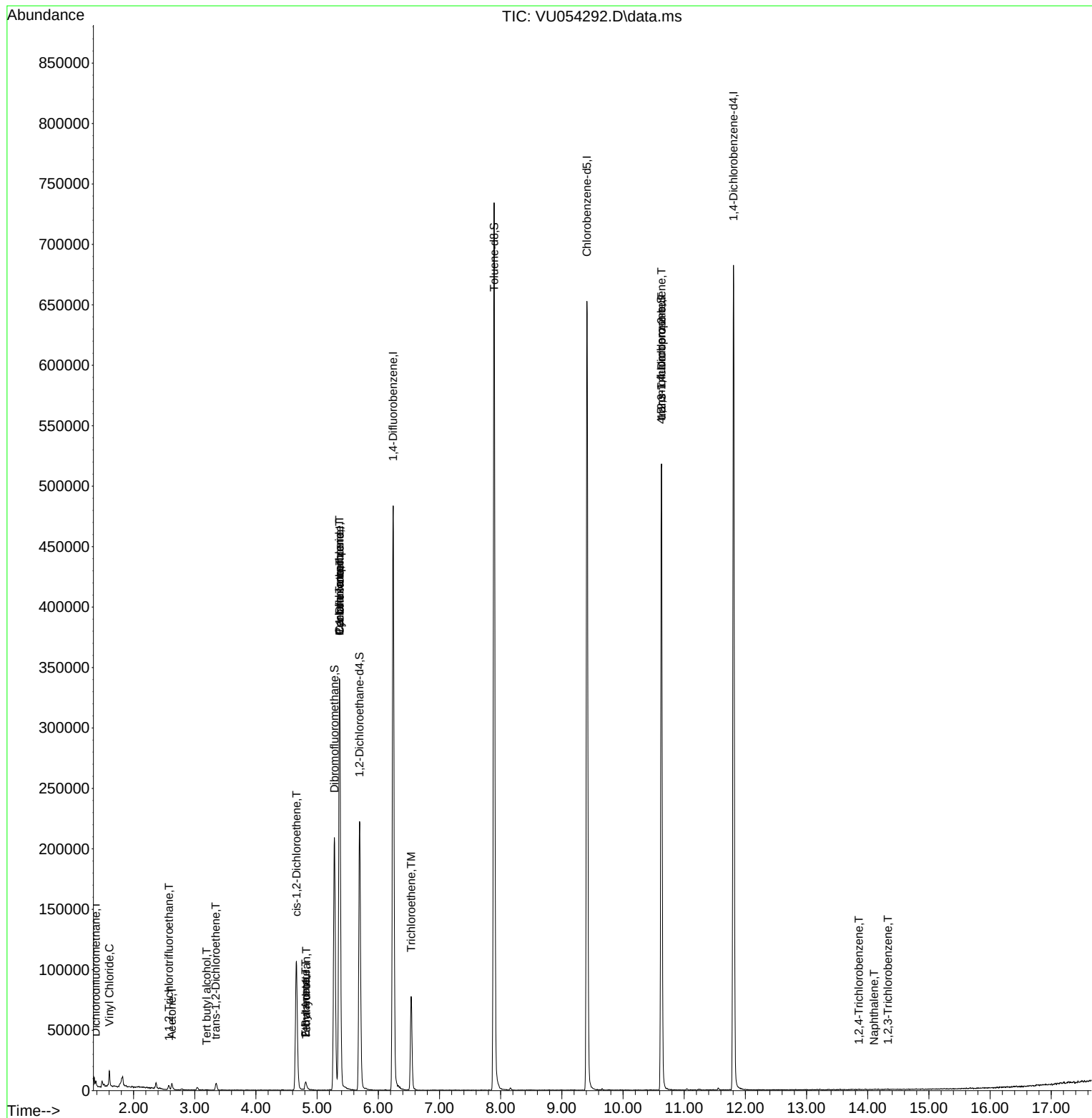
Internal Standards						
1) Pentafluorobenzene	5.369	168	245730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	401518	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	375050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	190962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	167150	51.889	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.780%	
35) Dibromofluoromethane	5.282	113	135817	52.526	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.060%	
50) Toluene-d8	7.893	98	491770	50.001	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.000%	
62) 4-Bromofluorobenzene	10.626	95	174642	45.796	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	1972	0.719	ug/l	99
4) Vinyl Chloride	1.604	62	8702	2.539	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.578	101	1514	0.593	ug/l	90
11) Tert butyl alcohol	3.195	59	266	0.306	ug/l #	37
16) Acetone	2.626	43	5904	3.197	ug/l	92
21) trans-1,2-Dichloroethene	3.343	96	2597	0.918	ug/l	97
25) 2-Butanone	4.813	43	9012	3.686	ug/l #	45
27) cis-1,2-Dichloroethene	4.661	96	57114	18.143	ug/l	95
29) Tetrahydrofuran	4.822	42	639	0.416	ug/l #	26
31) Cyclohexane	5.369	56	4665	1.026	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	18776	4.623	ug/l #	48
37) Ethyl Acetate	4.813	43	9012	1.821	ug/l #	82
38) Carbon Tetrachloride	5.366	117	23520	5.658	ug/l #	17
44) Trichloroethene	6.536	130	26845	8.290	ug/l	90
76) 1,2,3-Trichloropropane	10.629	75	87689	15.733	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.629	75	87689	59.912	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.857	180	239	1.696	ug/l #	50
95) Naphthalene	14.105	128	230	2.007	ug/l #	81
96) 1,2,3-Trichlorobenzene	14.330	180	21	1.259	ug/l #	1

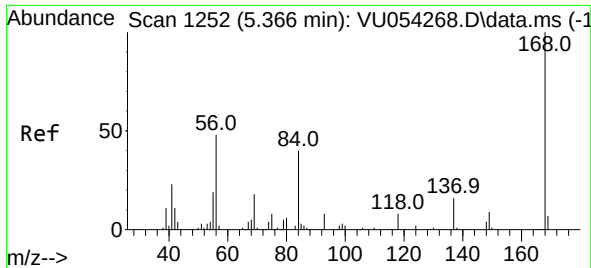
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 26 06:40:51 2023
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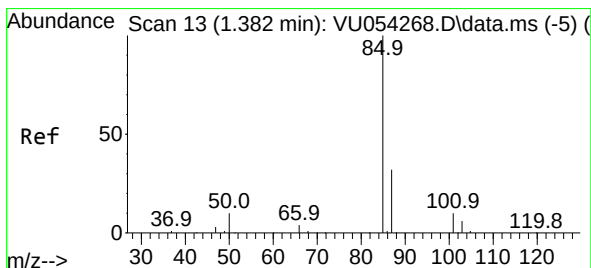
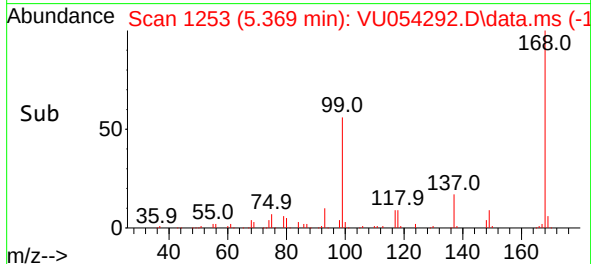
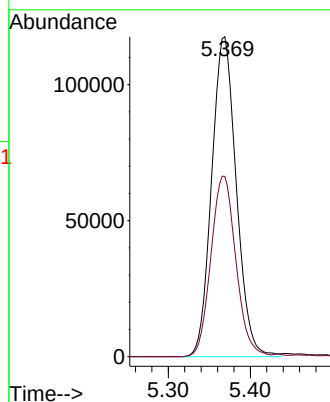
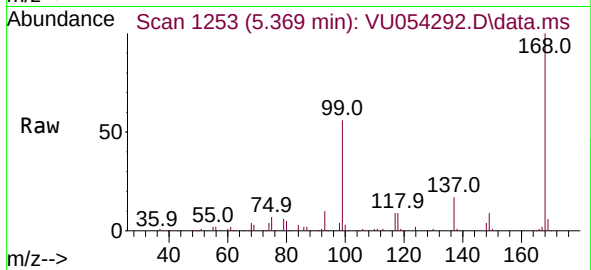




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

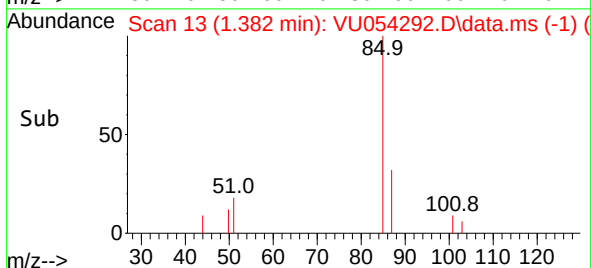
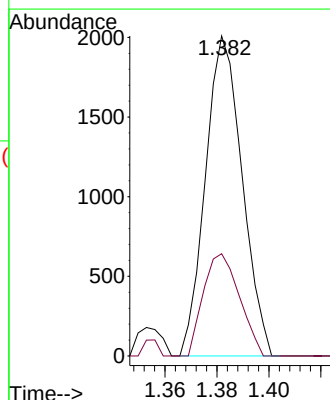
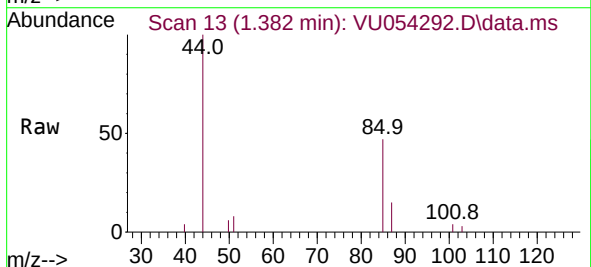
Instrument :
MSVOA_U
ClientSampleId :
40S-20230524

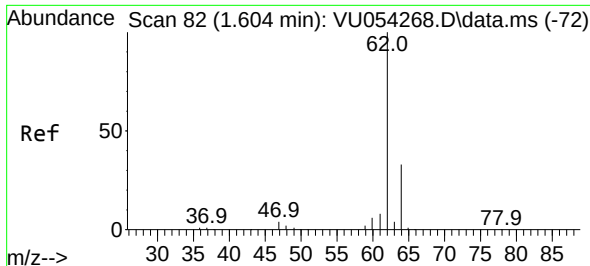
Tgt Ion:168 Resp: 245730
Ion Ratio Lower Upper
168 100
99 56.4 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.719 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

Tgt Ion: 85 Resp: 1972
Ion Ratio Lower Upper
85 100
87 32.0 16.4 49.2

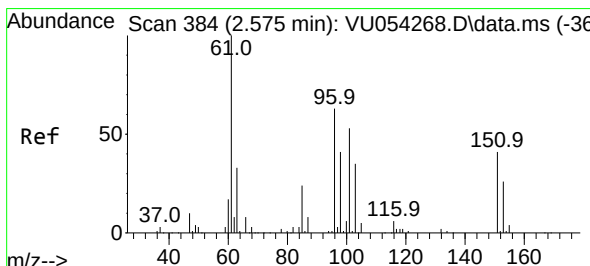
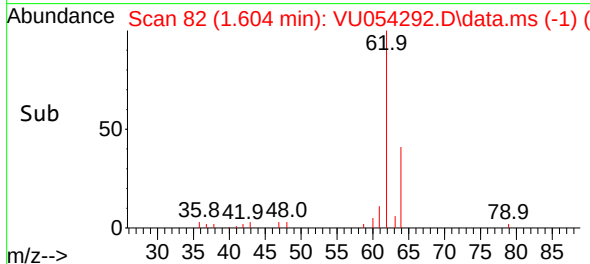
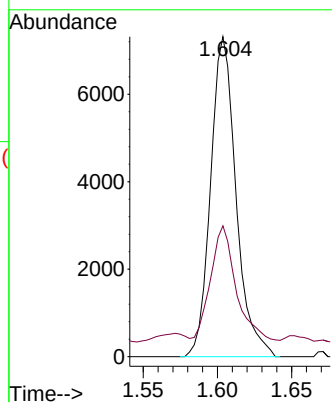
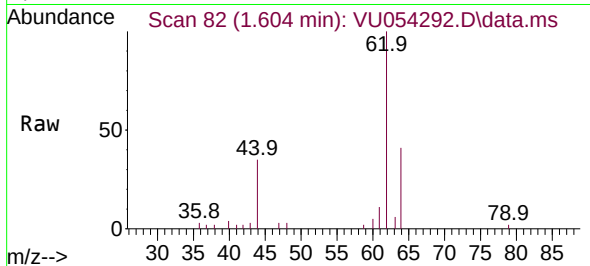




#4
 Vinyl Chloride
 Concen: 2.539 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054292.D
 Acq: 26 May 2023 17:48

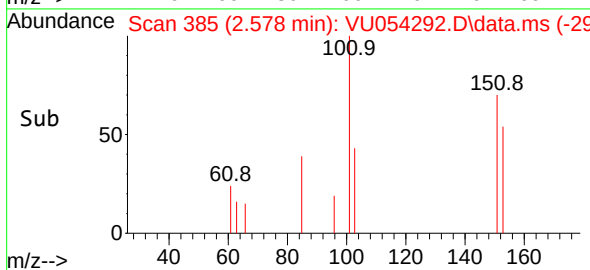
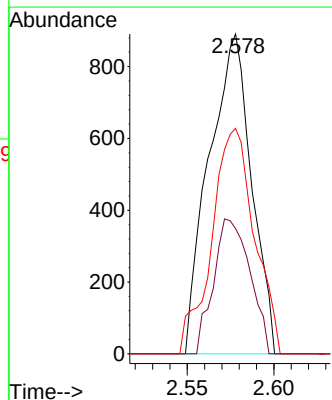
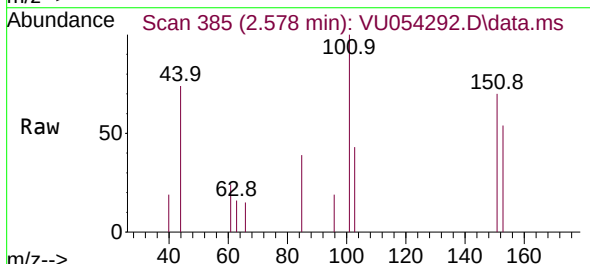
Instrument :
 MSVOA_U
 ClientSampleId :
 40S-20230524

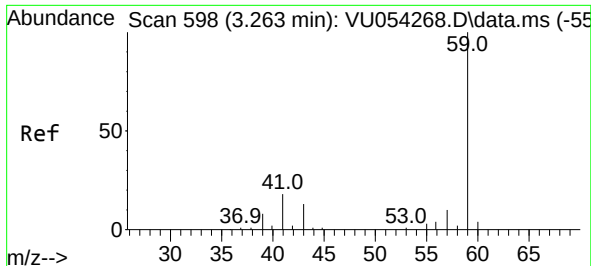
Tgt Ion: 62 Resp: 8702
 Ion Ratio Lower Upper
 62 100
 64 35.8 25.3 37.9



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.593 ug/l
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU054292.D
 Acq: 26 May 2023 17:48

Tgt Ion: 101 Resp: 1514
 Ion Ratio Lower Upper
 101 100
 85 36.3 33.9 50.9
 151 71.1 64.0 96.0

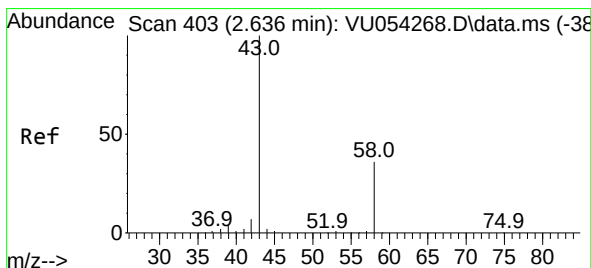
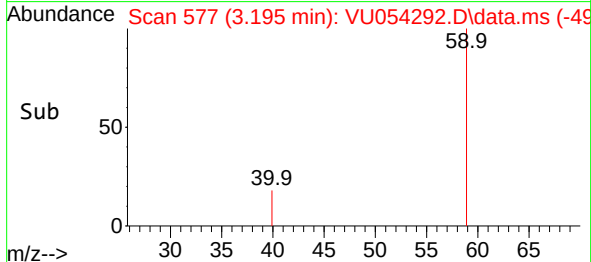
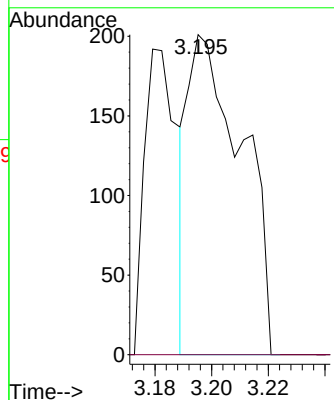
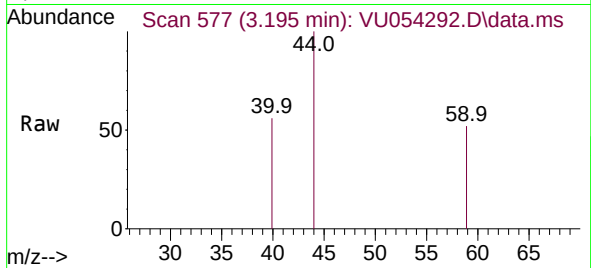




#11
Tert butyl alcohol
Concen: 0.306 ug/l
RT: 3.195 min Scan# 51
Delta R.T. -0.048 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

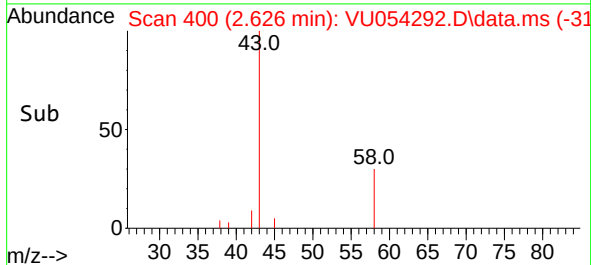
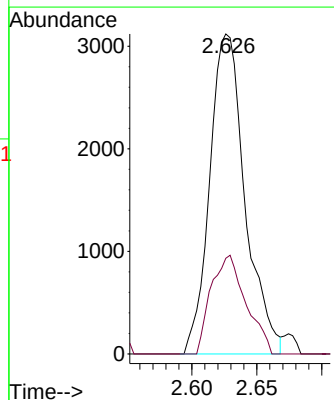
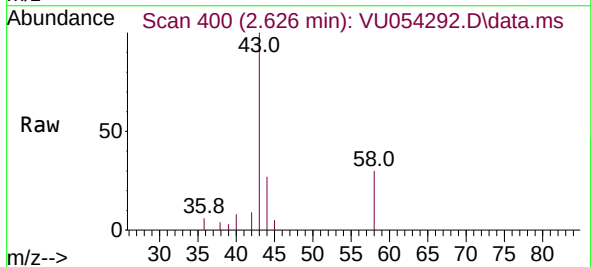
Instrument :
MSVOA_U
ClientSampleId :
40S-20230524

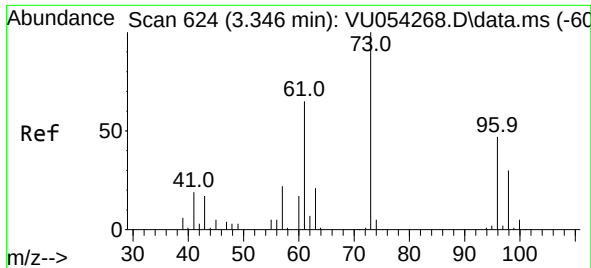
Tgt Ion: 59 Resp: 266
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



#16
Acetone
Concen: 3.197 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.010 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

Tgt Ion: 43 Resp: 5904
Ion Ratio Lower Upper
43 100
58 29.9 27.5 41.3

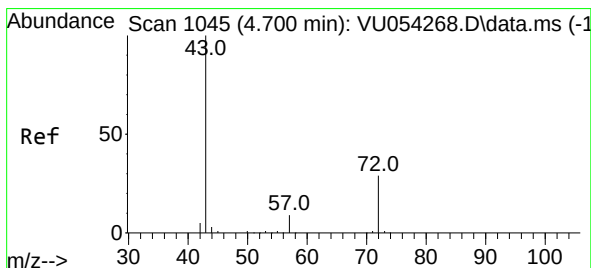
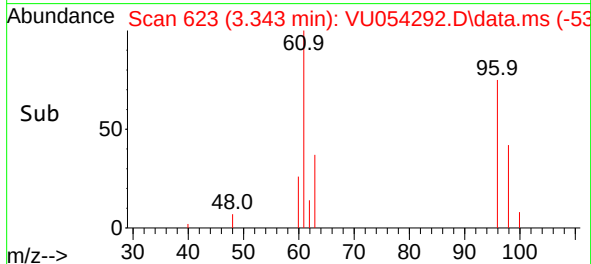
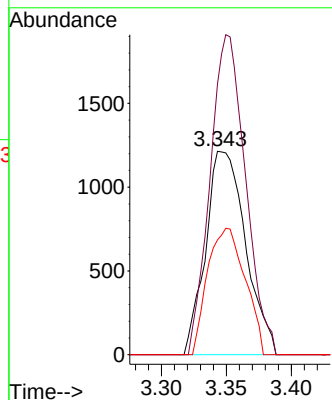
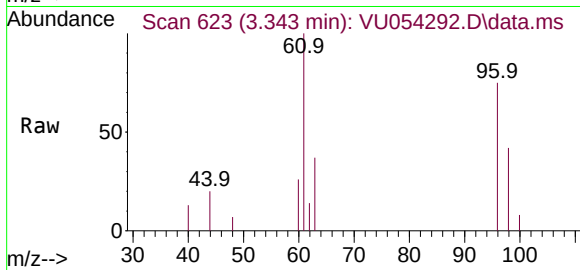




#21
trans-1,2-Dichloroethene
Concen: 0.918 ug/l
RT: 3.343 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

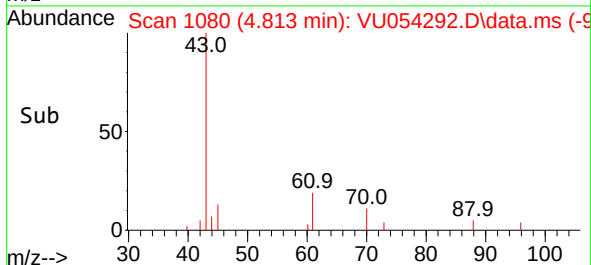
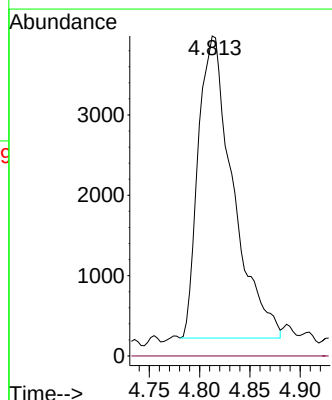
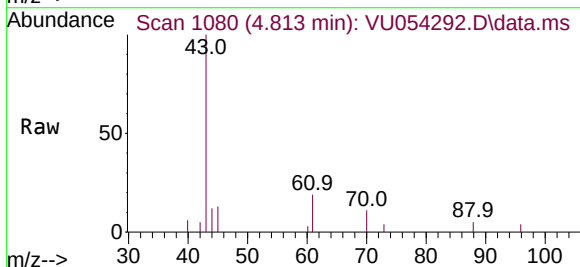
Instrument :
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ClientSampleId :
40S-20230524

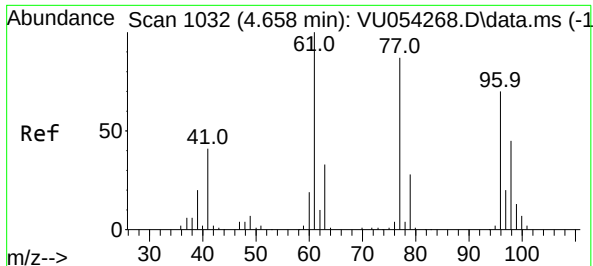
Tgt Ion: 96 Resp: 2597
Ion Ratio Lower Upper
96 100
61 133.0 106.1 159.1
98 56.4 50.8 76.2



#25
2-Butanone
Concen: 3.686 ug/l
RT: 4.813 min Scan# 1080
Delta R.T. 0.113 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

Tgt Ion: 43 Resp: 9012
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#





#27

cis-1,2-Dichloroethene

Concen: 18.143 ug/l

RT: 4.661 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU054292.D

Acq: 26 May 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

40S-20230524

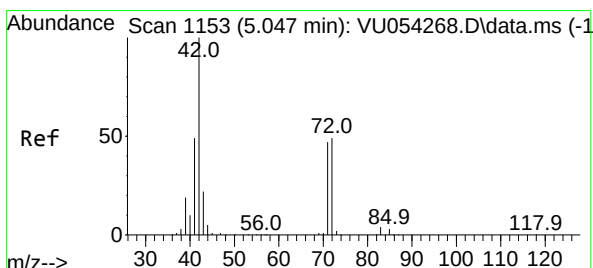
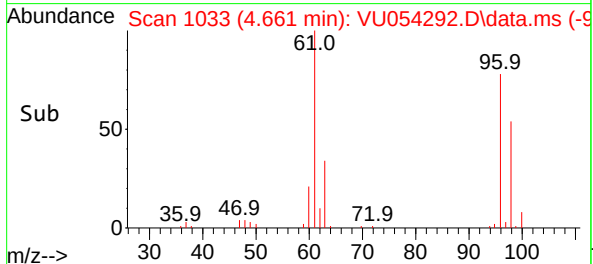
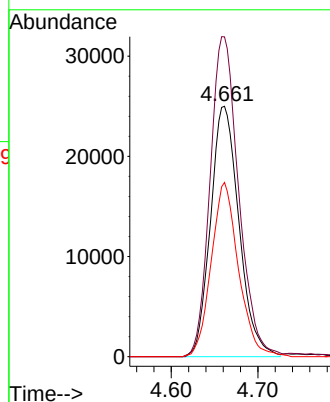
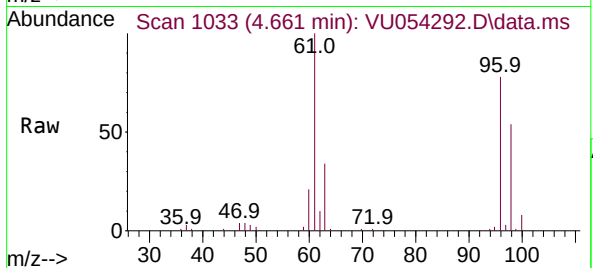
Tgt Ion: 96 Resp: 57114

Ion Ratio Lower Upper

96 100

61 128.0 0.0 271.6

98 66.6 0.0 128.2



#29

Tetrahydrofuran

Concen: 0.416 ug/l

RT: 4.822 min Scan# 1083

Delta R.T. -0.225 min

Lab File: VU054292.D

Acq: 26 May 2023 17:48

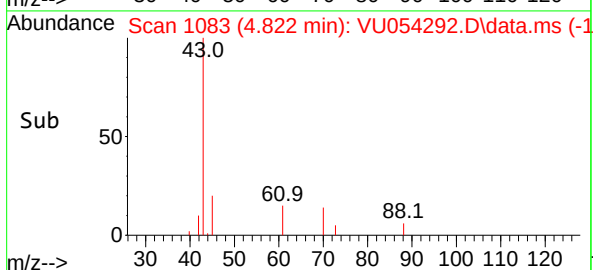
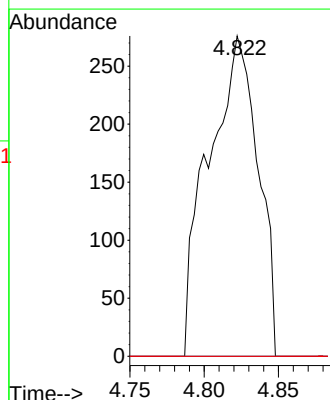
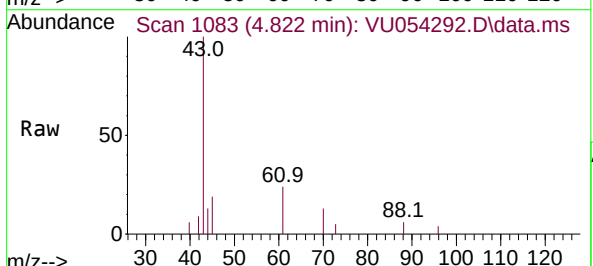
Tgt Ion: 42 Resp: 639

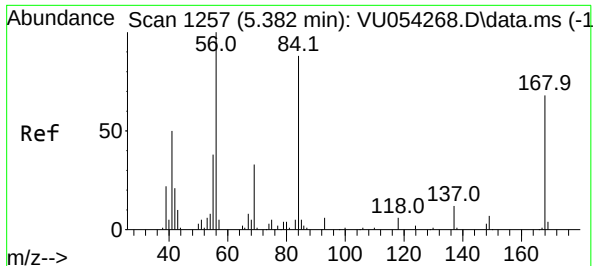
Ion Ratio Lower Upper

42 100

72 0.0 42.6 63.8#

71 0.0 40.3 60.5#

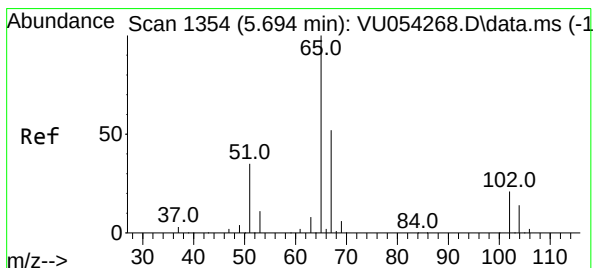
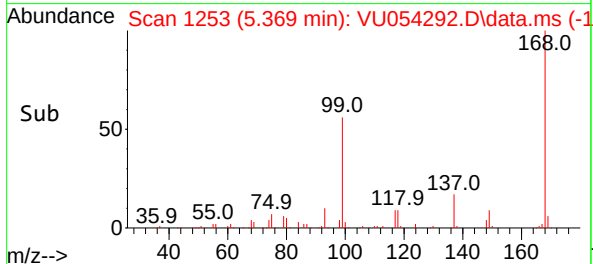
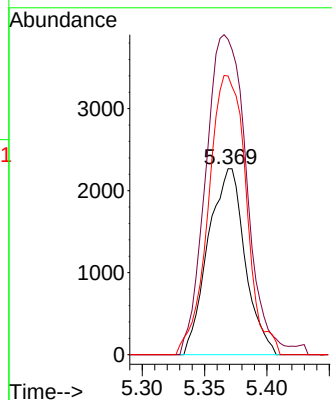
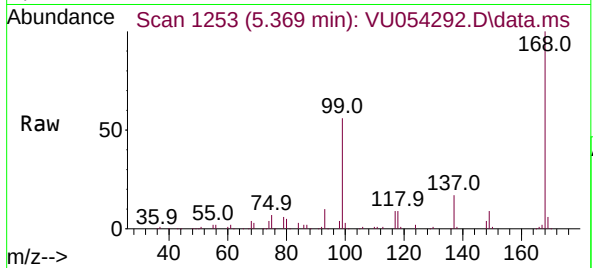




#31
Cyclohexane
Concen: 1.026 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

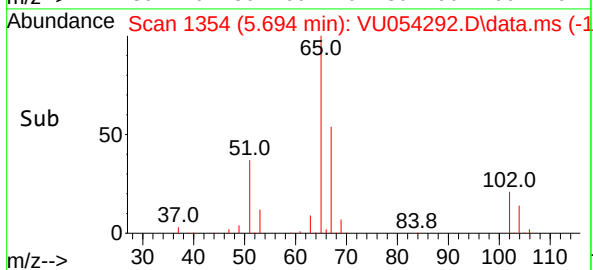
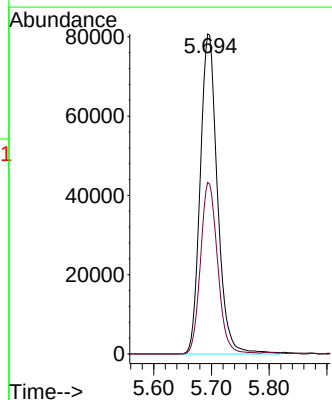
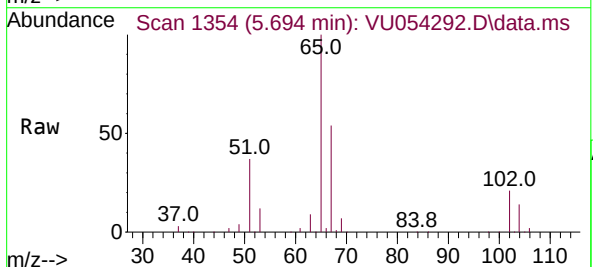
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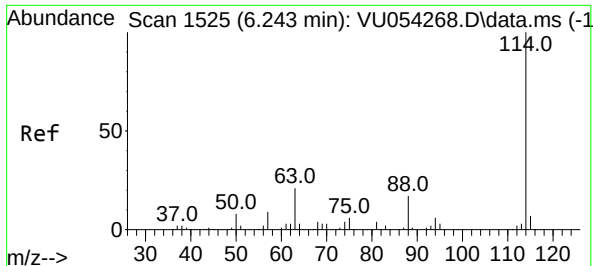
Tgt Ion: 56 Resp: 4665
Ion Ratio Lower Upper
56 100
69 169.6 27.8 41.8#
84 149.9 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 51.889 ug/l
RT: 5.694 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

Tgt Ion: 65 Resp: 167150
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054292.D

Acq: 26 May 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

40S-20230524

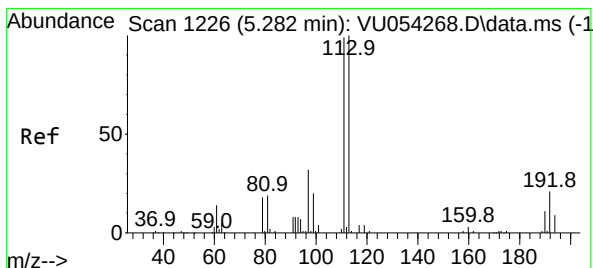
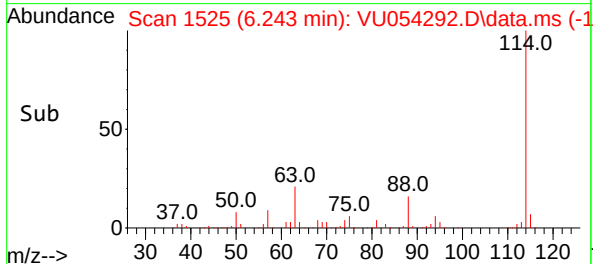
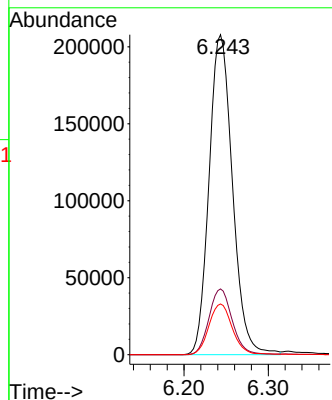
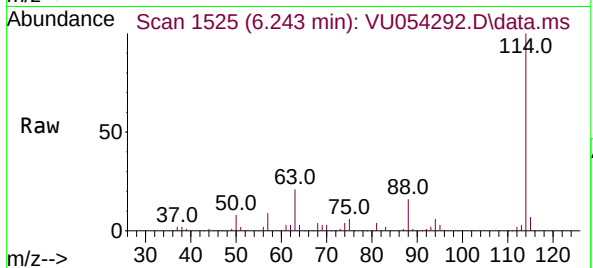
Tgt Ion:114 Resp: 401518

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.8

88 15.8 0.0 29.2



#35

Dibromofluoromethane

Concen: 52.526 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VU054292.D

Acq: 26 May 2023 17:48

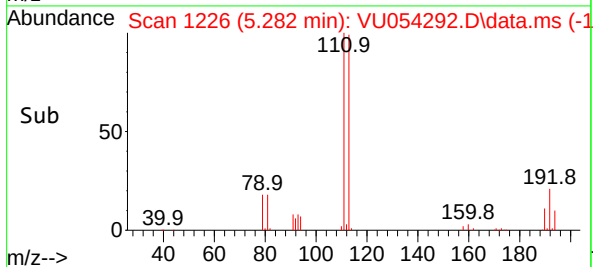
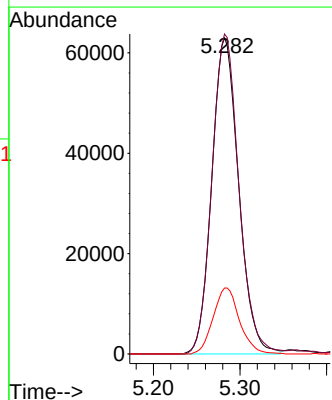
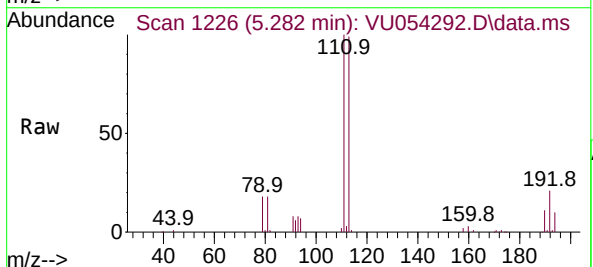
Tgt Ion:113 Resp: 135817

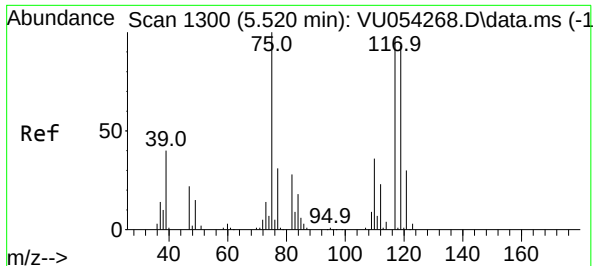
Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

192 20.5 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054292.D

Acq: 26 May 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

40S-20230524

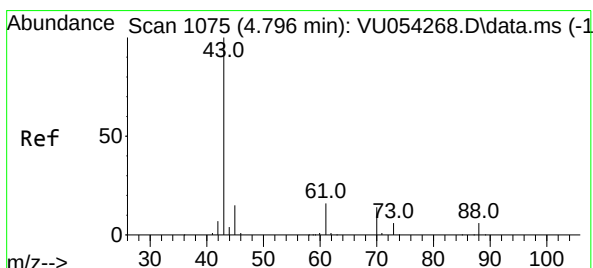
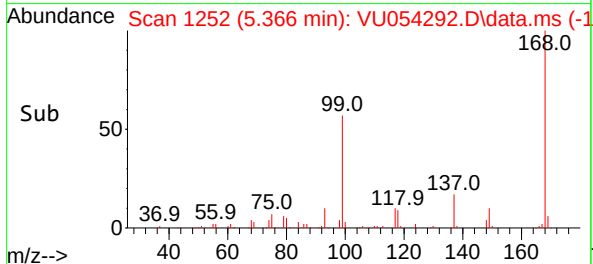
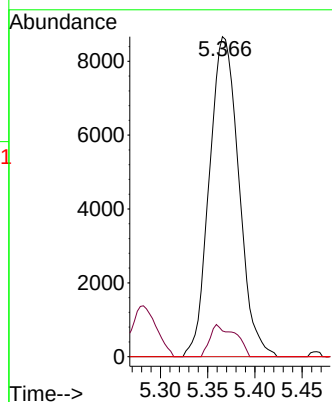
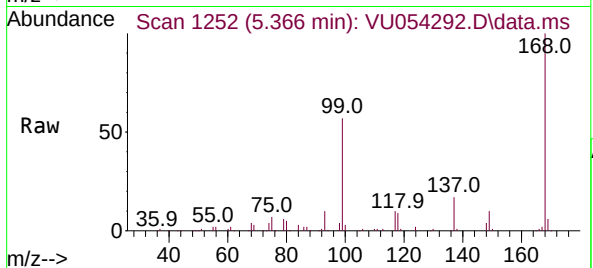
Tgt Ion: 75 Resp: 18776

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.821 ug/l

RT: 4.813 min Scan# 1080

Delta R.T. 0.017 min

Lab File: VU054292.D

Acq: 26 May 2023 17:48

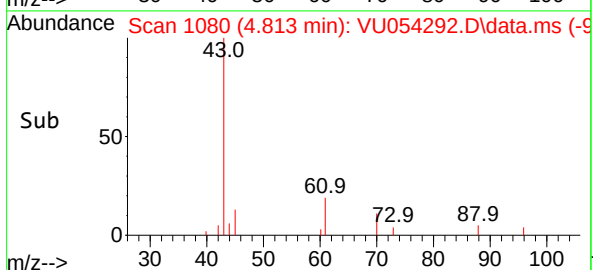
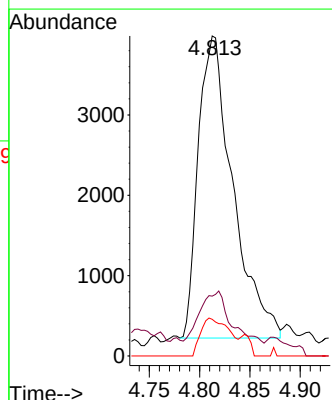
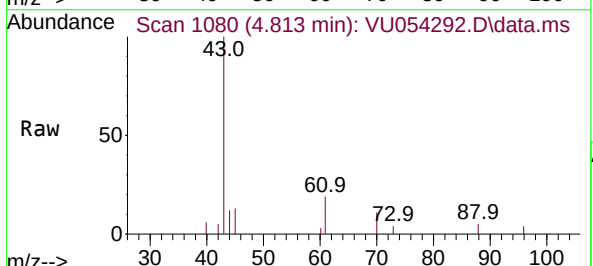
Tgt Ion: 43 Resp: 9012

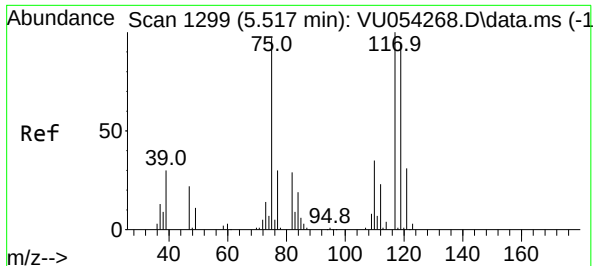
Ion Ratio Lower Upper

43 100

61 0.0 9.5 14.3#

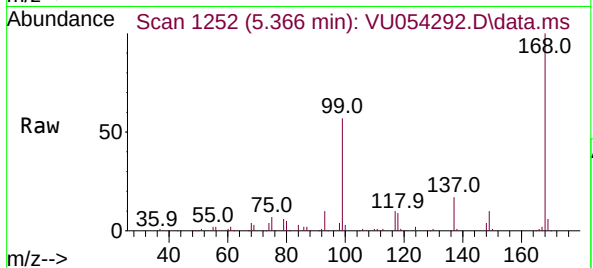
70 10.3 7.5 11.3



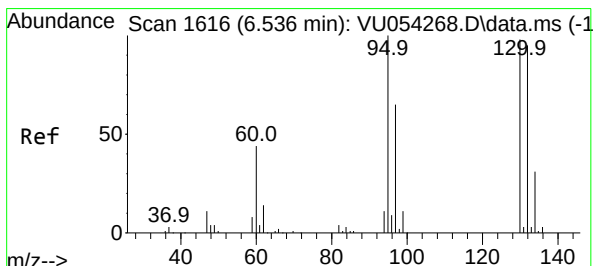
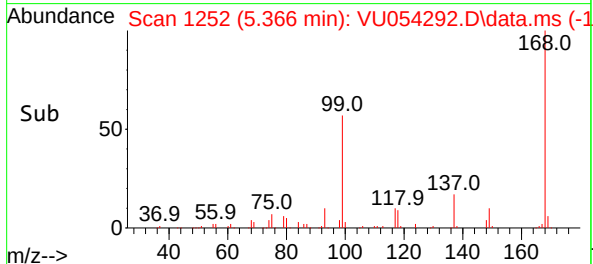
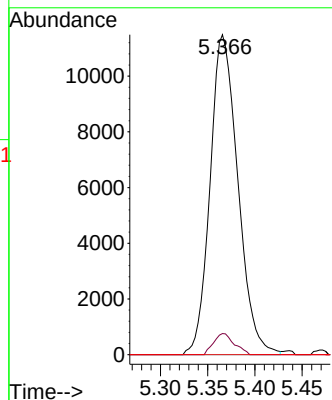


#38
Carbon Tetrachloride
Concen: 5.658 ug/l
RT: 5.366 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

Instrument :
MSVOA_U
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40S-20230524

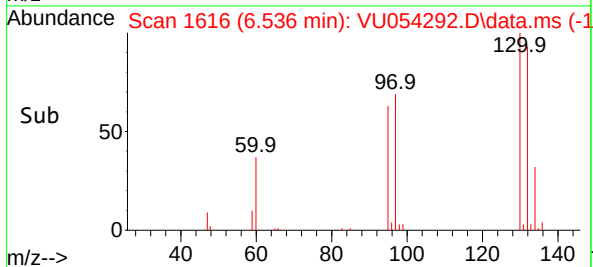
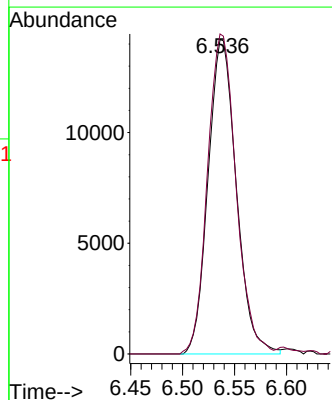
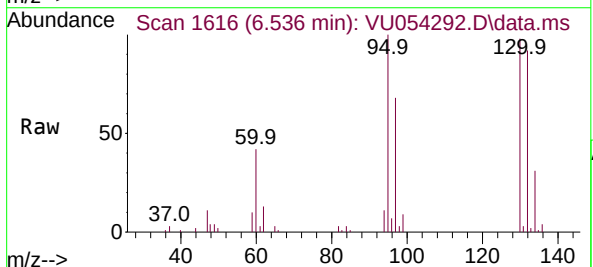


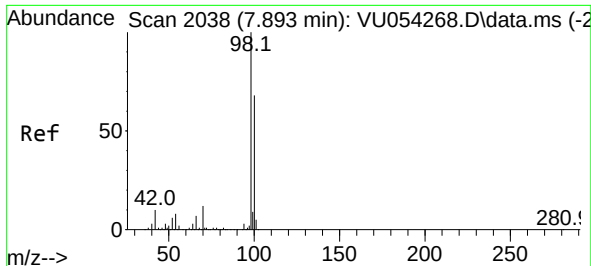
Tgt Ion:117 Resp: 23520
Ion Ratio Lower Upper
117 100
119 6.6 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 8.290 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

Tgt Ion:130 Resp: 26845
Ion Ratio Lower Upper
130 100
95 101.8 0.0 184.6

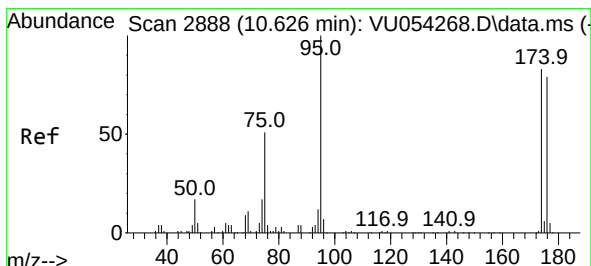
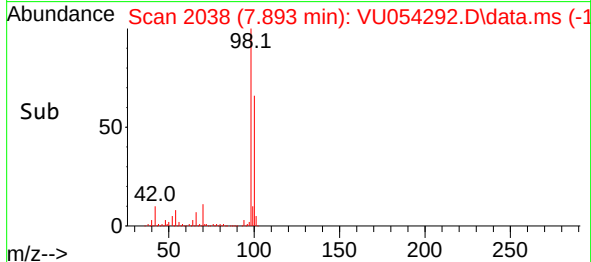
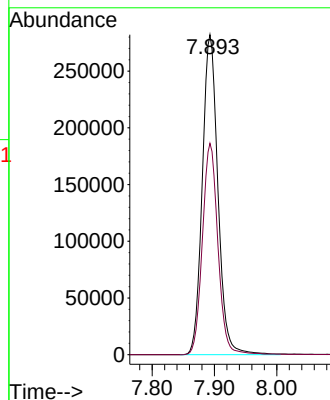
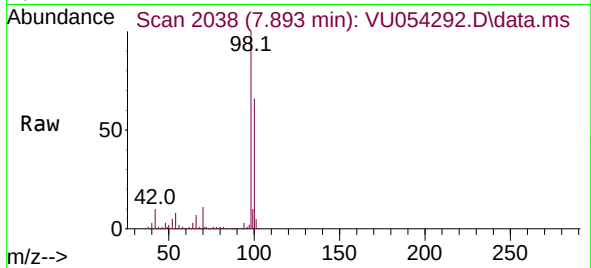




#50
Toluene-d8
Concen: 50.001 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

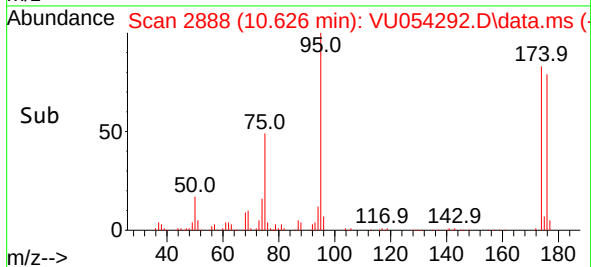
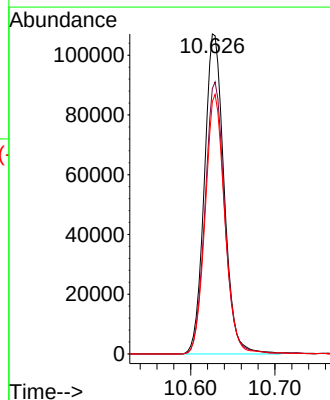
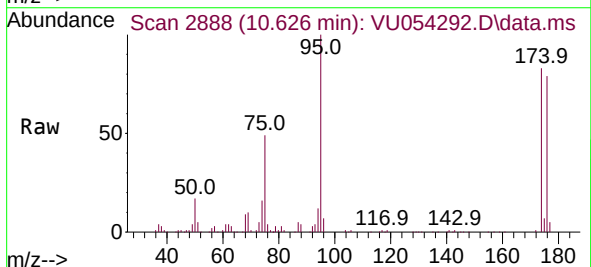
Instrument :
MSVOA_U
ClientSampleId :
40S-20230524

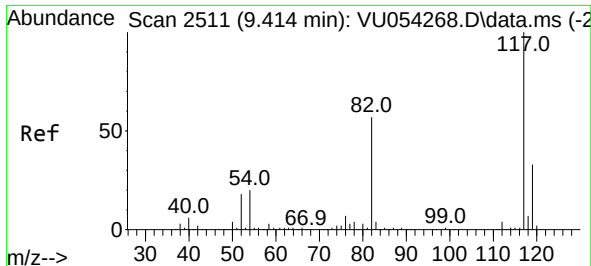
Tgt Ion: 98 Resp: 491770
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.796 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

Tgt Ion: 95 Resp: 174642
Ion Ratio Lower Upper
95 100
174 84.5 0.0 182.0
176 80.5 0.0 177.8

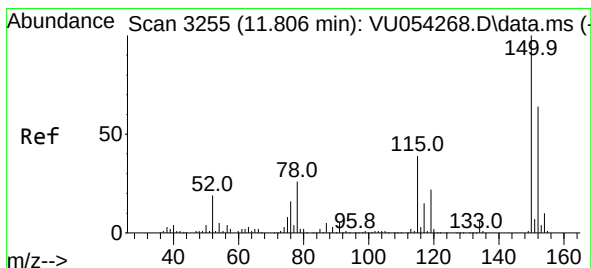
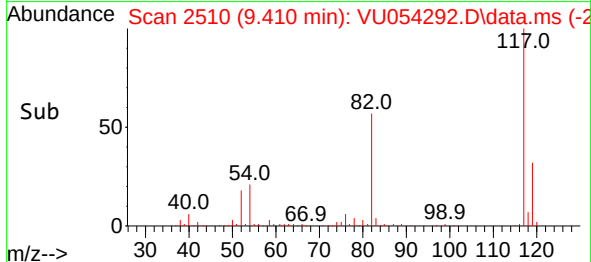
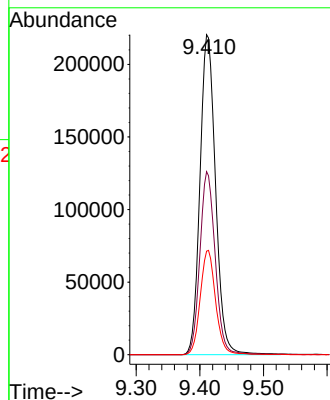
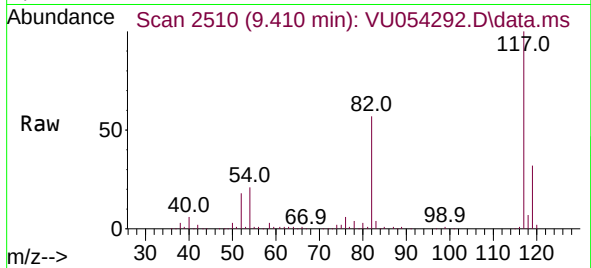




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

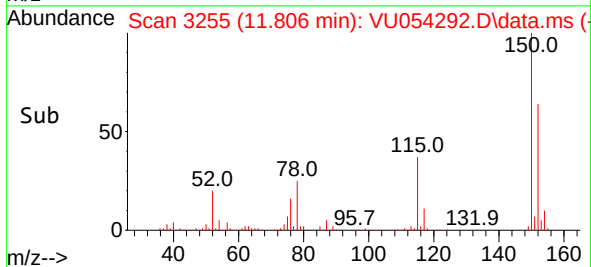
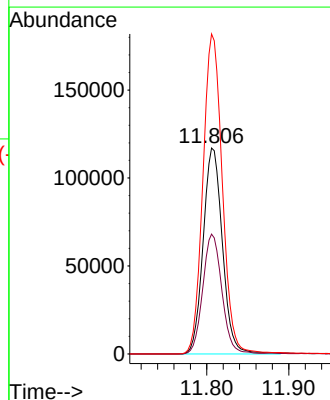
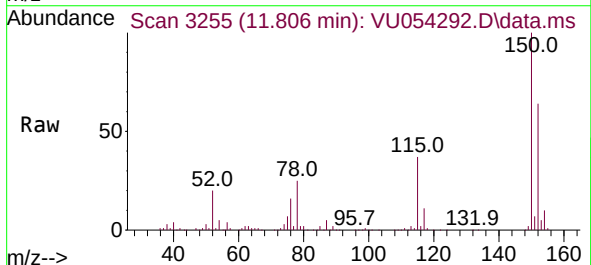
Instrument :
MSVOA_U
ClientSampleId :
40S-20230524

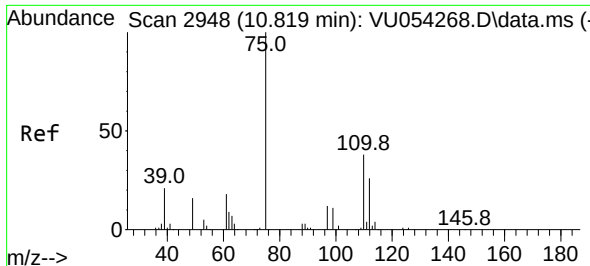
Tgt Ion:117 Resp: 375050
Ion Ratio Lower Upper
117 100
82 57.2 41.7 62.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

Tgt Ion:152 Resp: 190962
Ion Ratio Lower Upper
152 100
115 57.5 37.0 110.9
150 156.8 0.0 342.2

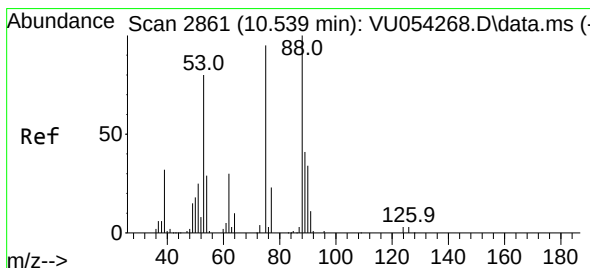
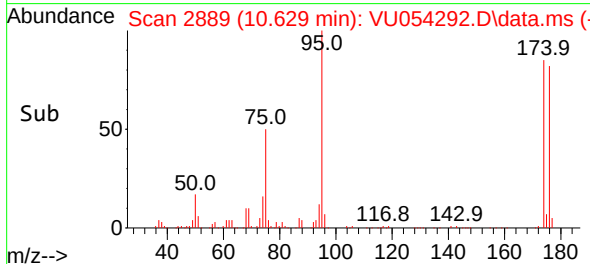
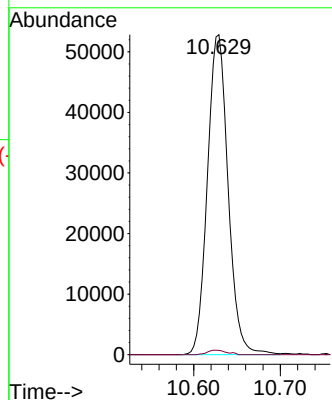
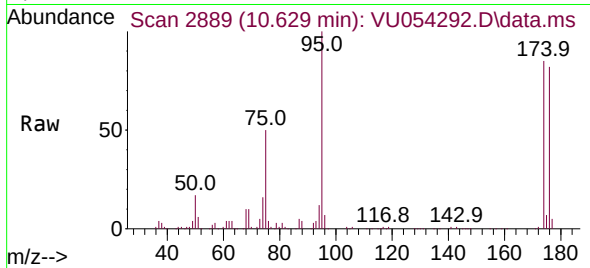




#76
1,2,3-Trichloropropane
Concen: 15.733 ug/l
RT: 10.629 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

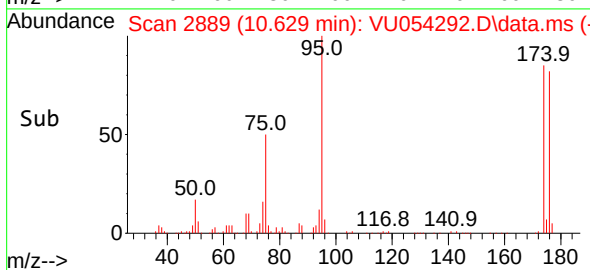
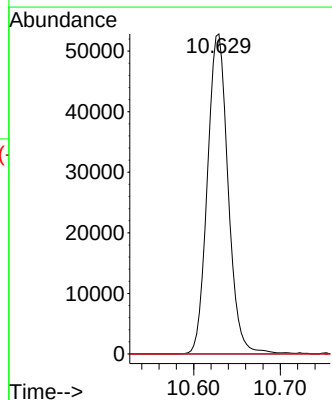
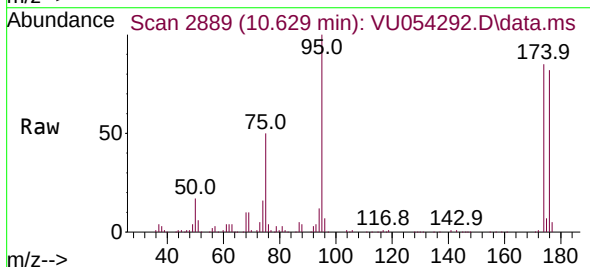
Instrument :
MSVOA_U
ClientSampleId :
40S-20230524

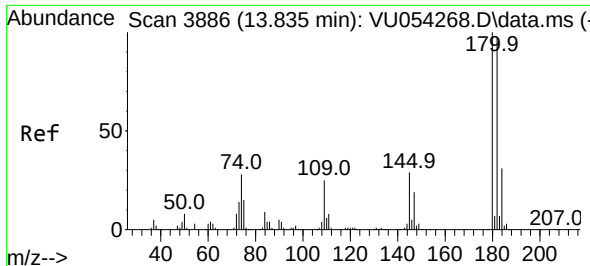
Tgt Ion: 75 Resp: 87689
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.912 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

Tgt Ion: 75 Resp: 87689
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

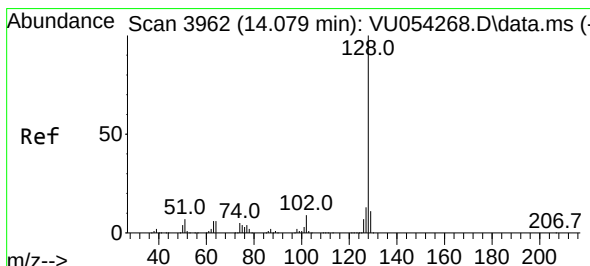
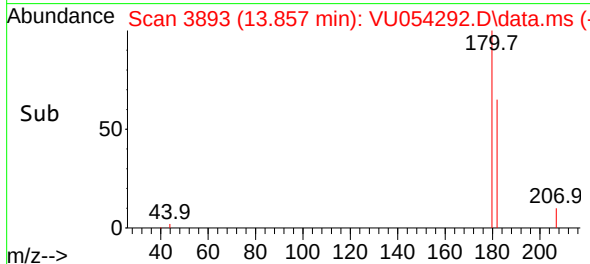
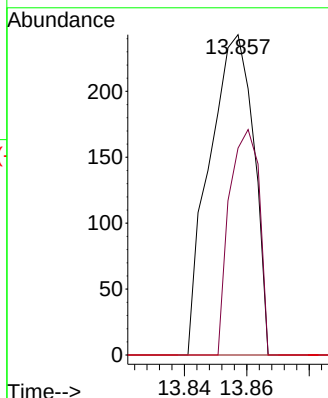
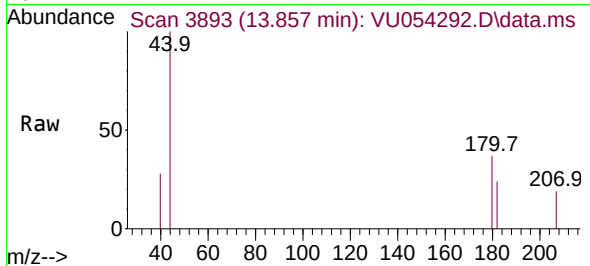




#93
1,2,4-Trichlorobenzene
Concen: 1.696 ug/l
RT: 13.857 min Scan# 3886
Delta R.T. 0.022 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

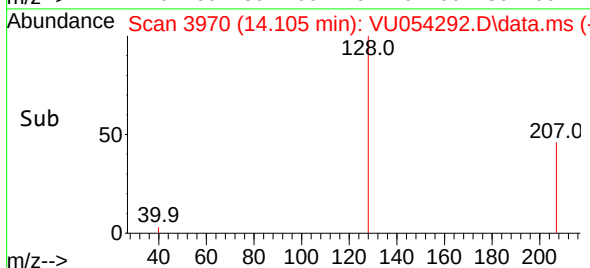
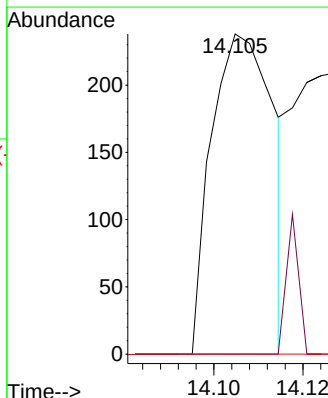
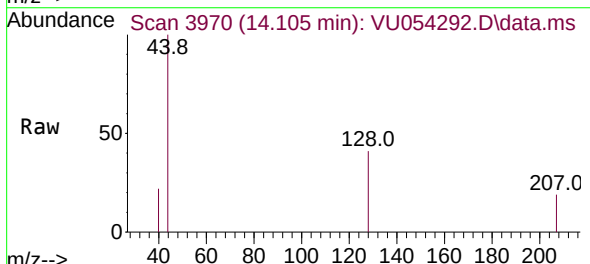
Instrument :
MSVOA_U
ClientSampleId :
40S-20230524

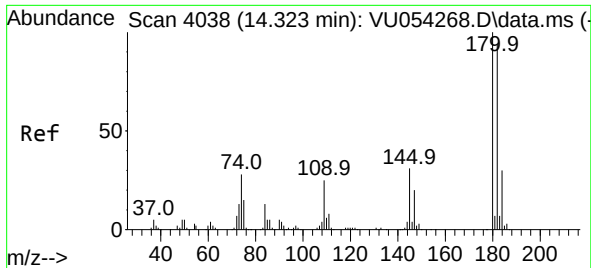
Tgt Ion:180 Resp: 239
Ion Ratio Lower Upper
180 100
182 47.7 47.9 143.6#
145 0.0 14.0 41.9#



#95
Naphthalene
Concen: 2.007 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.026 min
Lab File: VU054292.D
Acq: 26 May 2023 17:48

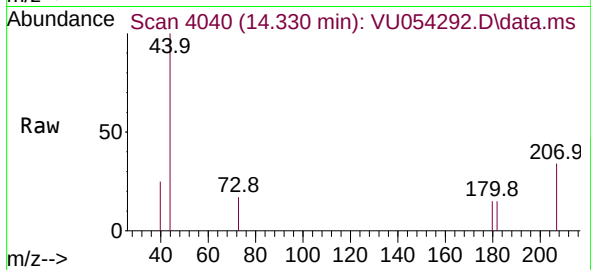
Tgt Ion:128 Resp: 230
Ion Ratio Lower Upper
128 100
127 8.7 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.259 ug/l
 RT: 14.330 min Scan# 4038
 Delta R.T. 0.007 min
 Lab File: VU054292.D
 Acq: 26 May 2023 17:48

Instrument :
 MSVOA_U
 ClientSampleId :
 40S-20230524



Tgt Ion:180 Resp: 21
 Ion Ratio Lower Upper
 180 100
 182 209.5 48.4 145.0#
 145 0.0 14.8 44.4#

