

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048839.D
 Acq On : 03 Jun 2022 06:00
 Operator : SY/MD
 Sample : N3165-03 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 50BR-20220531

Quant Time: Jun 03 06:57:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

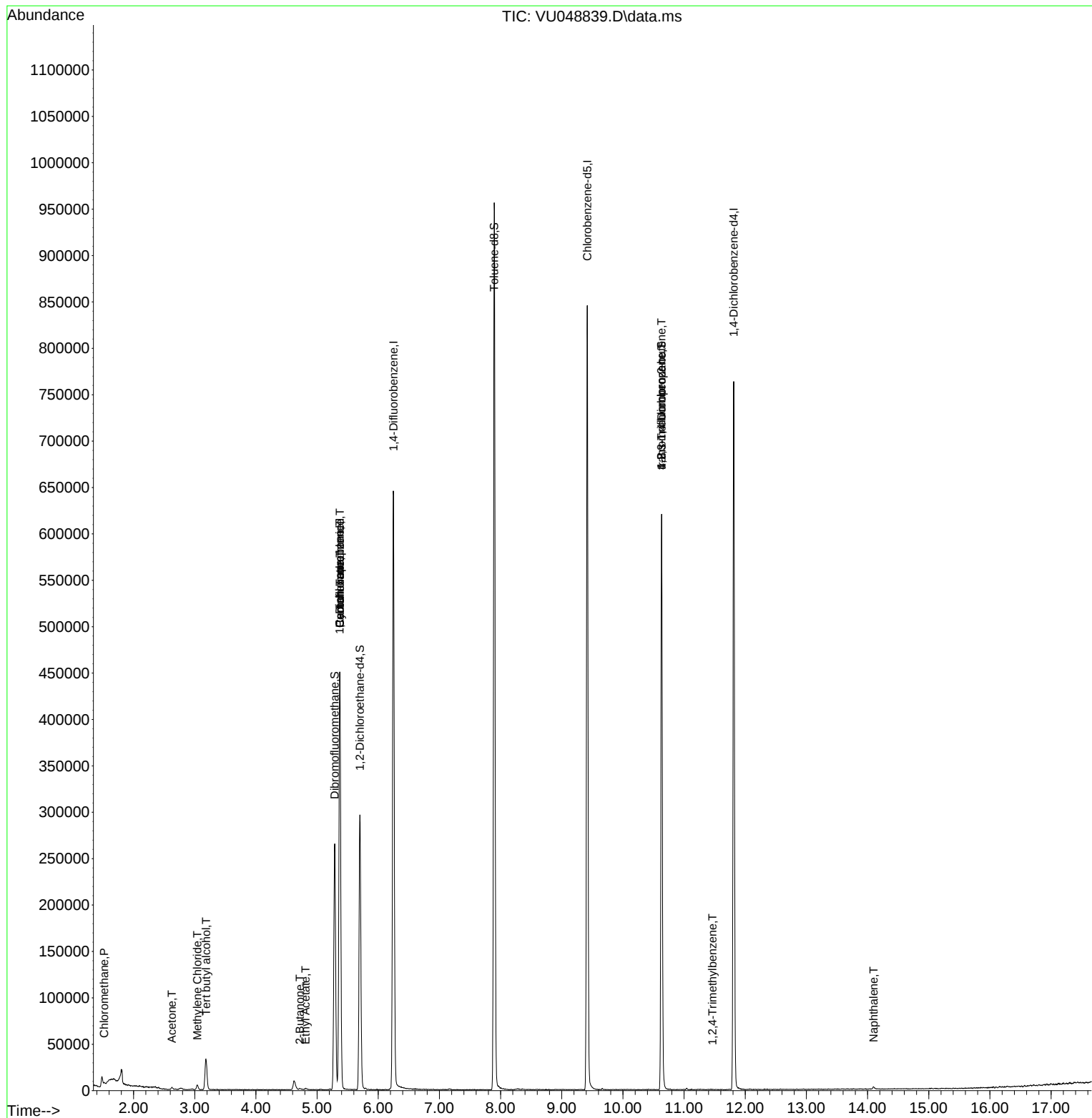
Internal Standards						
1) Pentafluorobenzene	5.372	168	310475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	519415	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	468361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	203514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	223600	47.955	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.900%		
35) Dibromofluoromethane	5.289	113	170437	45.994	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.980%		
50) Toluene-d8	7.896	98	627116	47.211	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.420%		
62) 4-Bromofluorobenzene	10.632	95	210657	41.933	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.860%		
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	922	0.202	ug/l	100
5) Bromomethane	1.845	94	170	Below Cal	#	3
6) Chloroethane	2.009	64	230	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	21176	17.913	ug/l #	28
13) Acrolein	2.482	56	40	Below Cal	#	14
16) Acetone	2.626	43	2462	1.036	ug/l	96
20) Methylene Chloride	3.041	84	2513	0.622	ug/l	94
25) 2-Butanone	4.719	43	1894	0.555	ug/l #	89
31) Cyclohexane	5.372	56	5957	1.014	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	26795	4.954	ug/l #	49
37) Ethyl Acetate	4.813	43	2763	0.404	ug/l #	79
38) Carbon Tetrachloride	5.372	117	31832	5.130	ug/l #	17
76) 1,2,3-Trichloropropane	10.632	75	107118	16.325	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	107118	59.272	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.465	105	20	1.189	ug/l #	31
95) Naphthalene	14.098	128	3173	2.721	ug/l #	86

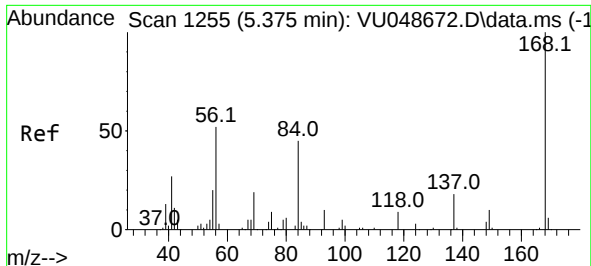
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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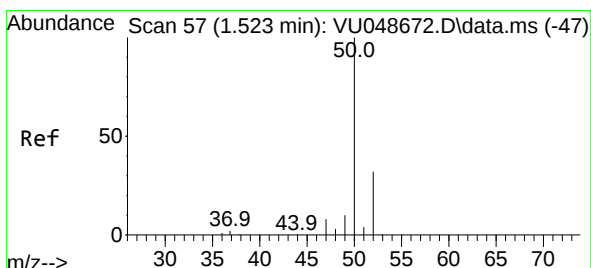
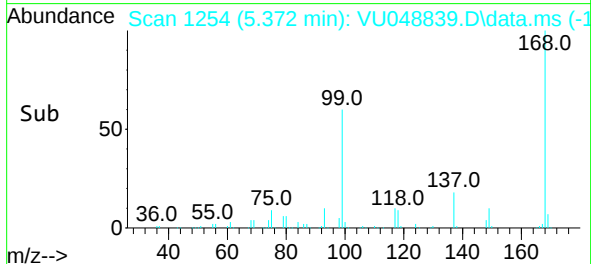
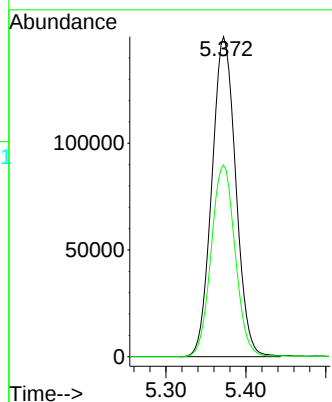
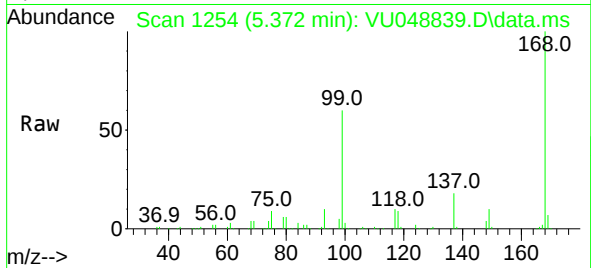




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

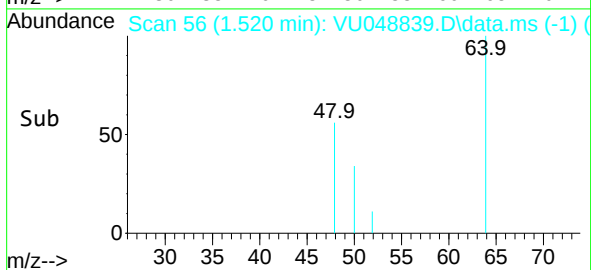
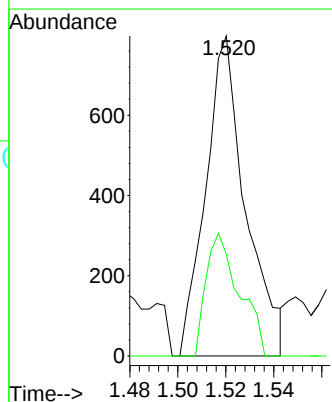
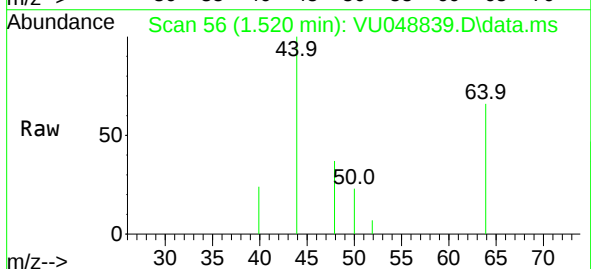
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

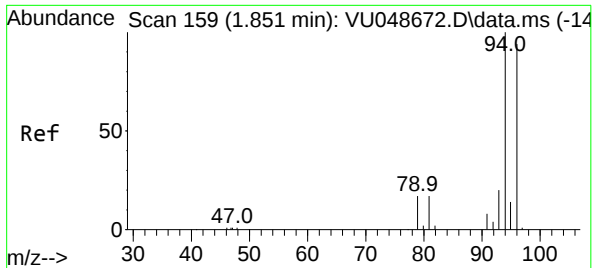
Tgt Ion:168 Resp: 310475
Ion Ratio Lower Upper
168 100
99 60.0 49.3 73.9



#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

Tgt Ion: 50 Resp: 922
Ion Ratio Lower Upper
50 100
52 31.8 25.7 38.5

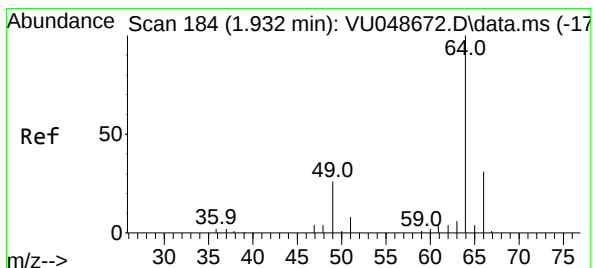
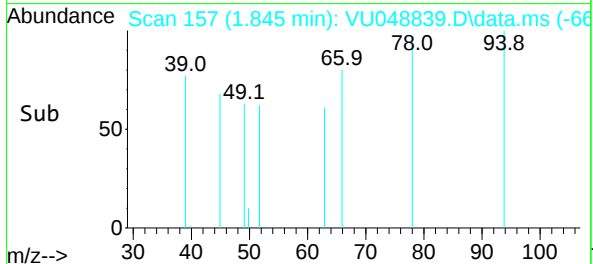
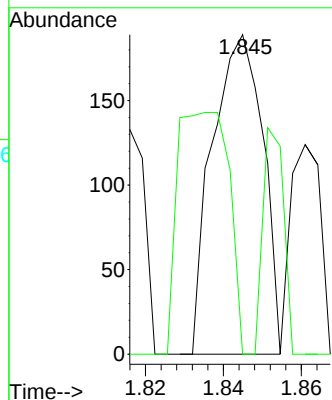
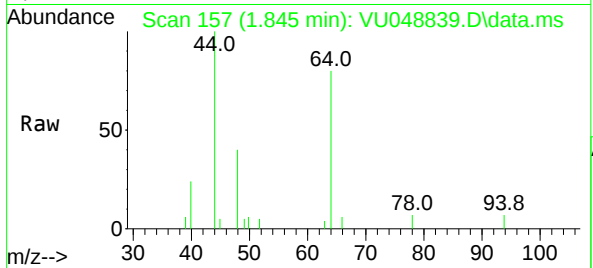




#5
Bromomethane
Concen: Below Cal
RT: 1.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

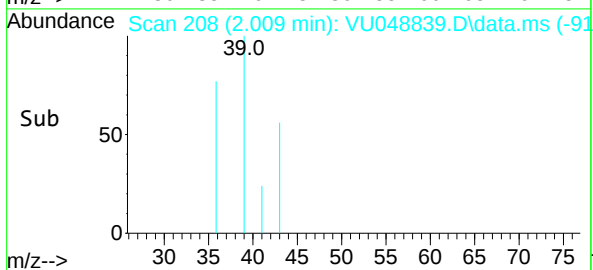
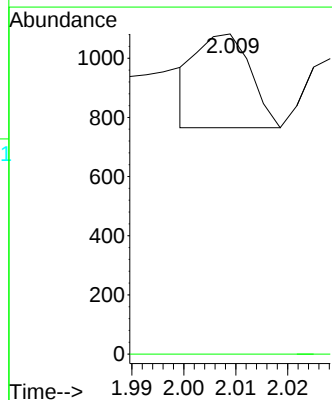
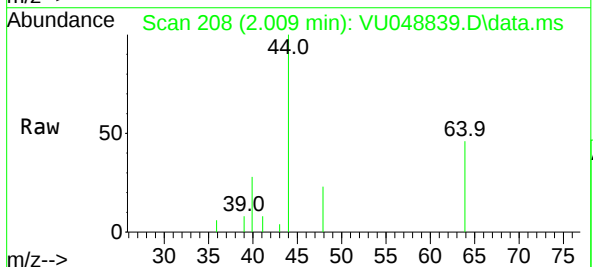
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 2.009 min Scan# 208
Delta R.T. 0.077 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

Tgt Ion: 64 Resp: 230
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

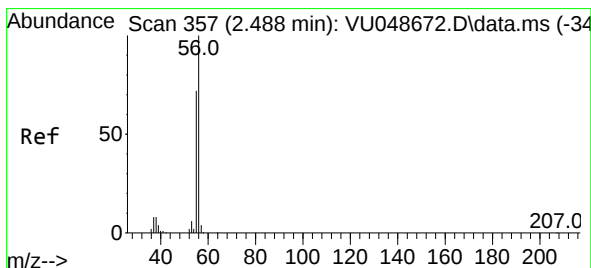
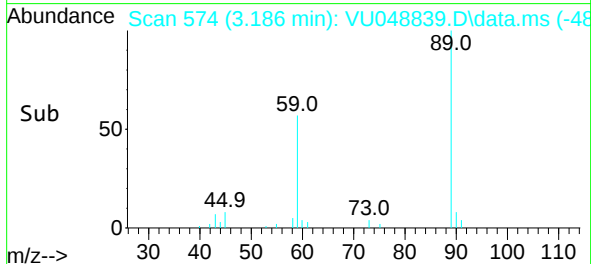
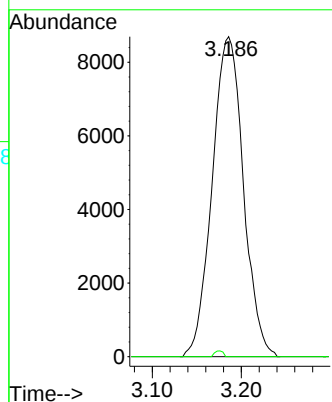
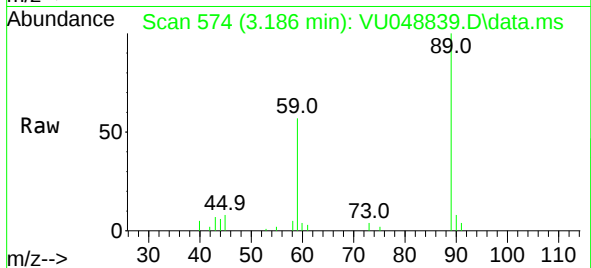




#11
Tert butyl alcohol
Concen: 17.913 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

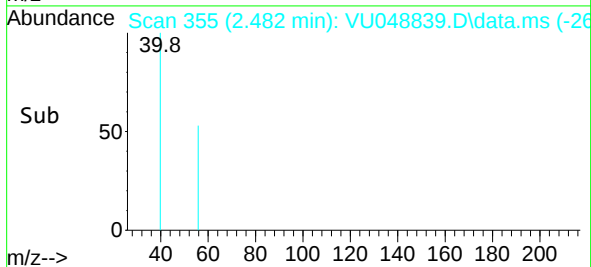
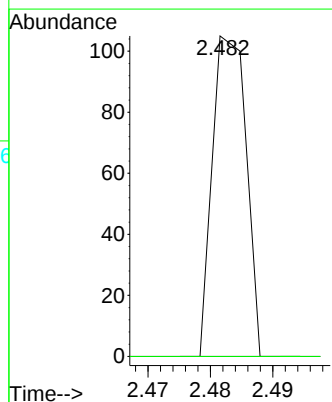
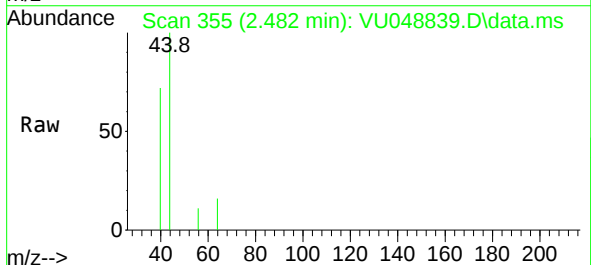
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

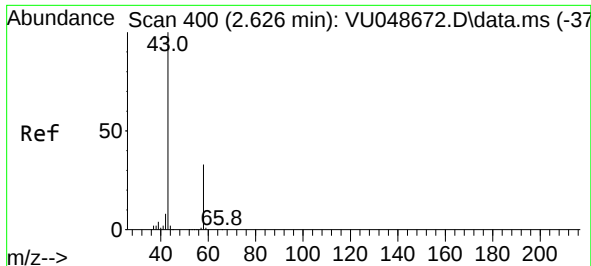
Tgt Ion: 59 Resp: 21176
Ion Ratio Lower Upper
59 100
57 0.5 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 355
Delta R.T. -0.006 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

Tgt Ion: 56 Resp: 40
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#





#16

Acetone

Concen: 1.036 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU048839.D

Acq: 03 Jun 2022 06:00

Instrument :

MSVOA_U

ClientSampleId :

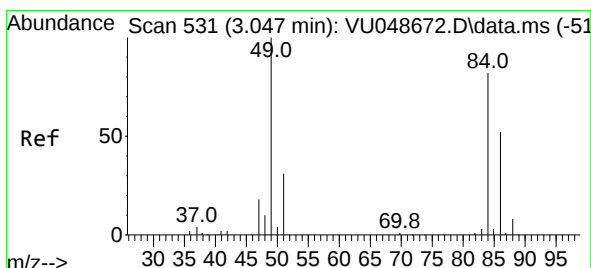
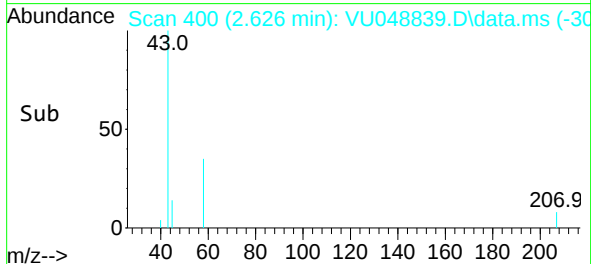
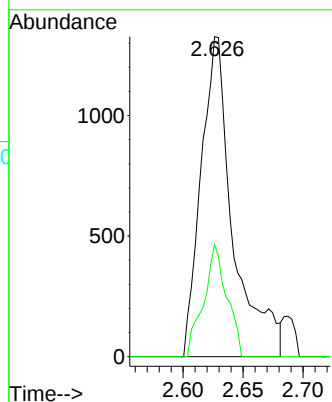
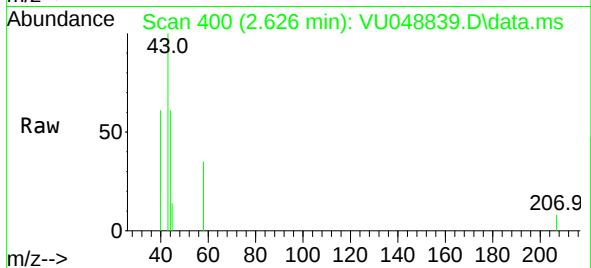
50BR-20220531

Tgt Ion: 43 Resp: 2462

Ion Ratio Lower Upper

43 100

58 35.0 26.3 39.5



#20

Methylene Chloride

Concen: 0.622 ug/l

RT: 3.041 min Scan# 529

Delta R.T. -0.006 min

Lab File: VU048839.D

Acq: 03 Jun 2022 06:00

Tgt Ion: 84 Resp: 2513

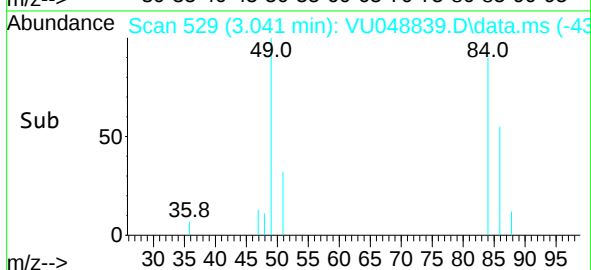
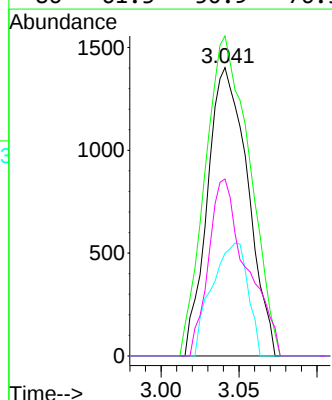
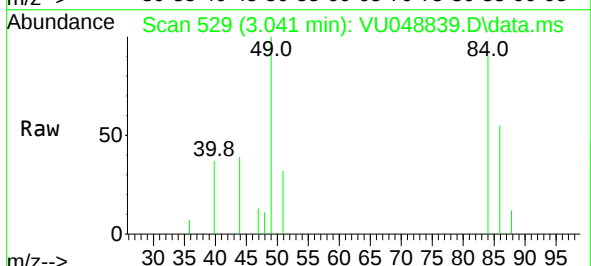
Ion Ratio Lower Upper

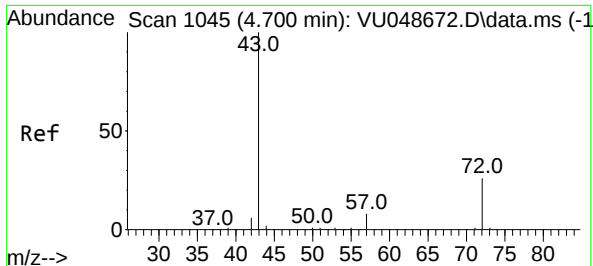
84 100

49 111.0 97.0 145.4

51 35.6 29.8 44.8

86 61.3 50.9 76.3





#25

2-Butanone

Concen: 0.555 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.019 min

Lab File: VU048839.D

Acq: 03 Jun 2022 06:00

Instrument :

MSVOA_U

ClientSampleId :

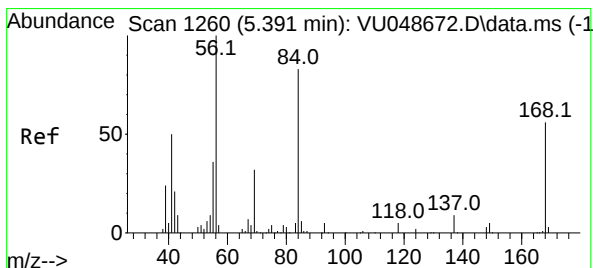
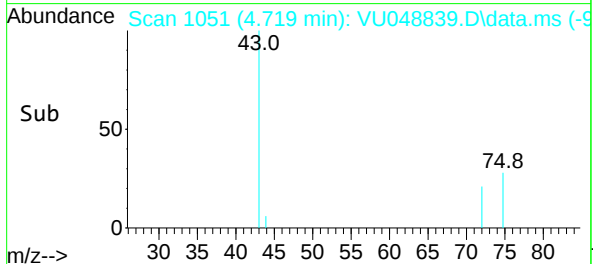
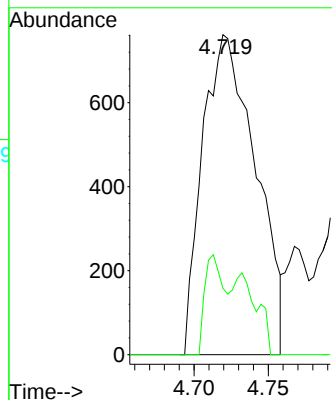
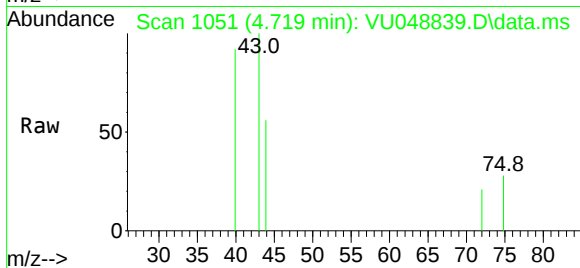
50BR-20220531

Tgt Ion: 43 Resp: 1894

Ion Ratio Lower Upper

43 100

72 20.7 21.1 31.7#



#31

Cyclohexane

Concen: 1.014 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048839.D

Acq: 03 Jun 2022 06:00

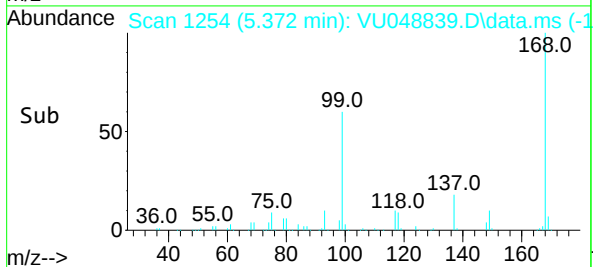
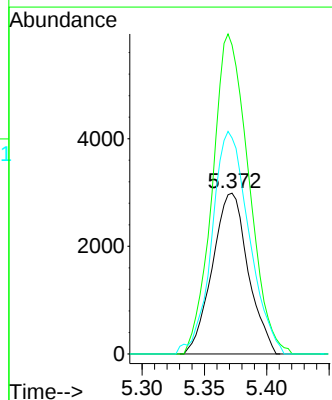
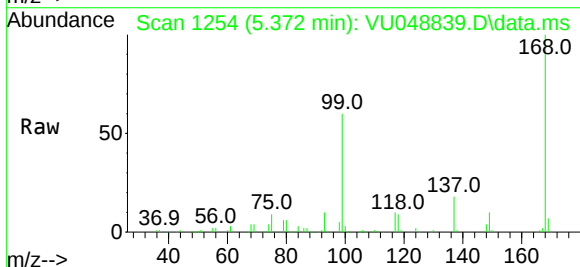
Tgt Ion: 56 Resp: 5957

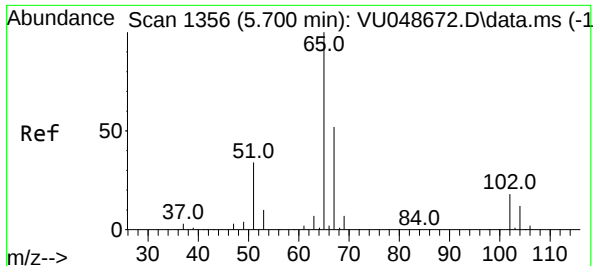
Ion Ratio Lower Upper

56 100

69 192.1 25.6 38.4#

84 129.5 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 47.955 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048839.D

Acq: 03 Jun 2022 06:00

Instrument :

MSVOA_U

ClientSampleId :

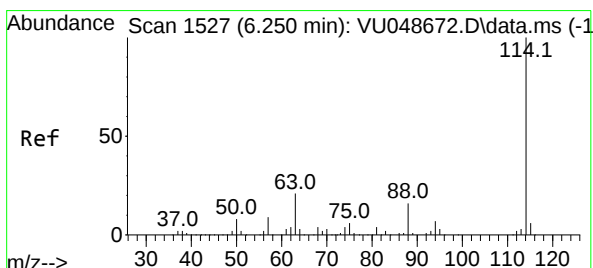
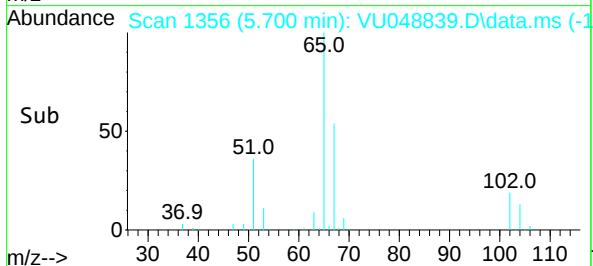
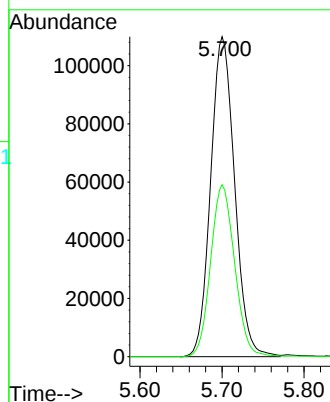
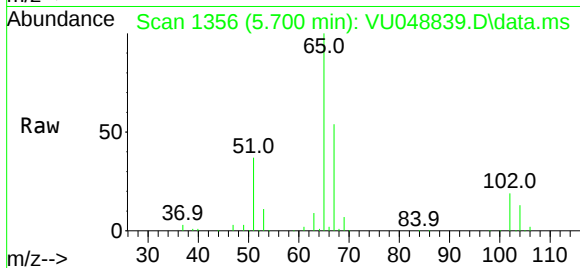
50BR-20220531

Tgt Ion: 65 Resp: 223600

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048839.D

Acq: 03 Jun 2022 06:00

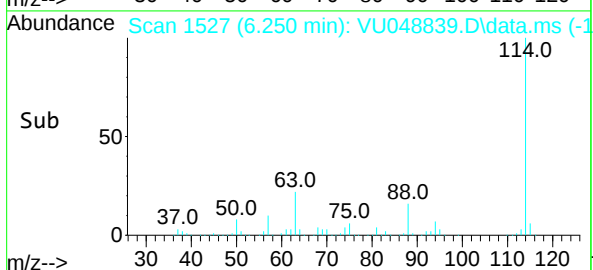
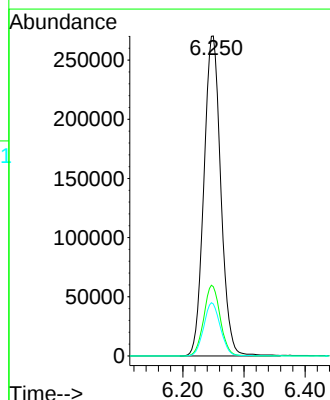
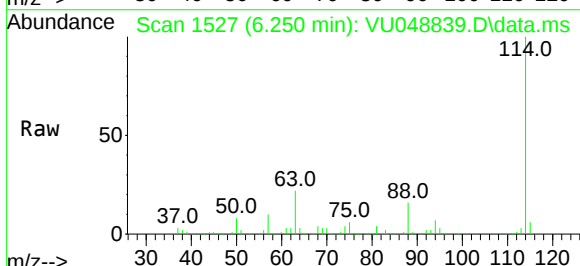
Tgt Ion: 114 Resp: 519415

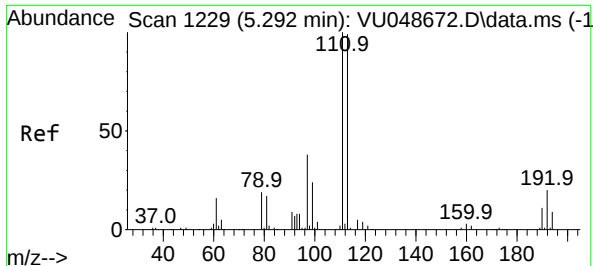
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.994 ug/l

RT: 5.289 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048839.D

Acq: 03 Jun 2022 06:00

Instrument :

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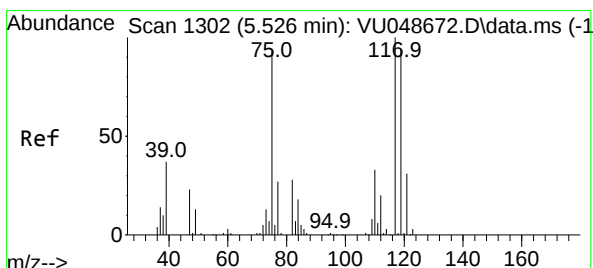
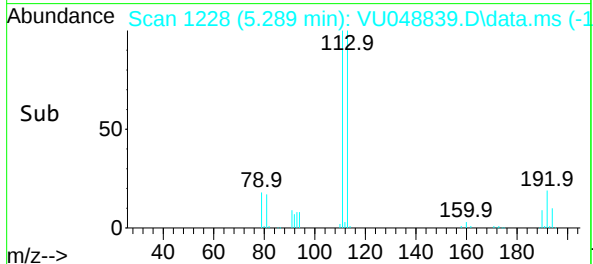
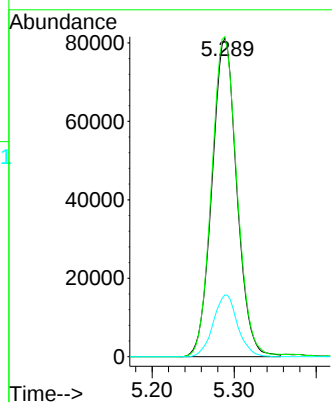
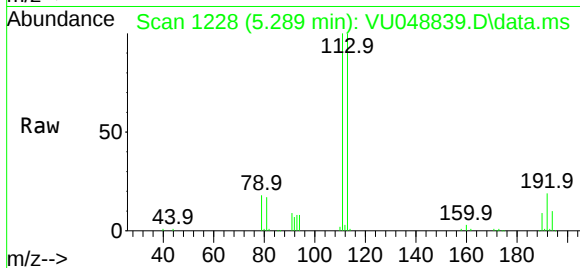
Tgt Ion:113 Resp: 170437

Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

192 19.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.954 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.158 min

Lab File: VU048839.D

Acq: 03 Jun 2022 06:00

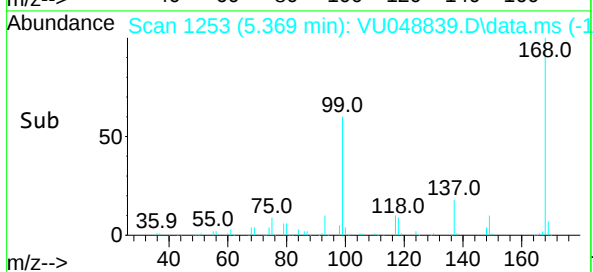
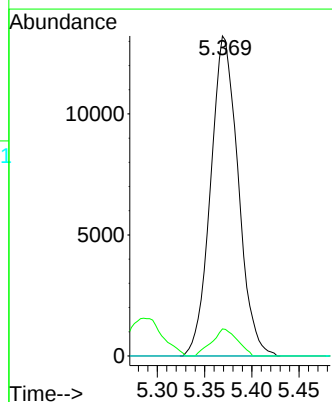
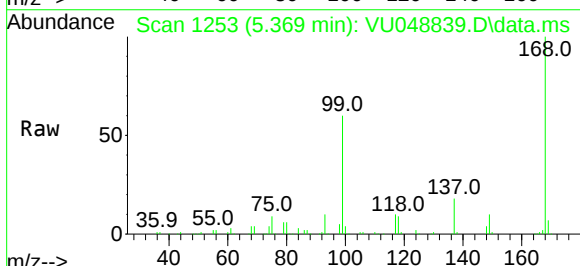
Tgt Ion: 75 Resp: 26795

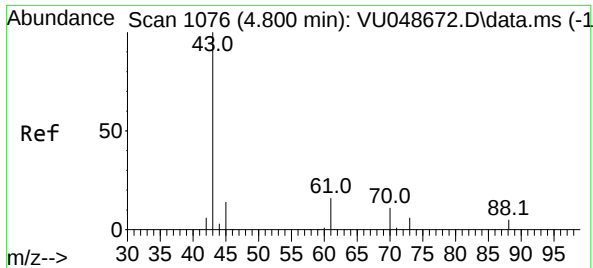
Ion Ratio Lower Upper

75 100

110 7.8 17.4 52.3#

77 0.0 24.8 37.2#

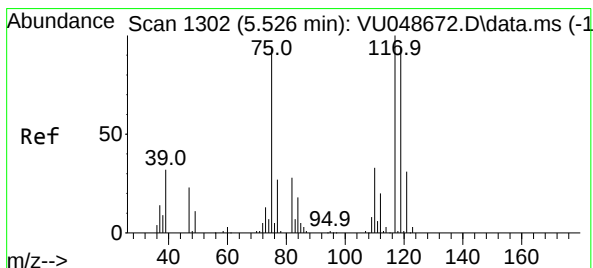
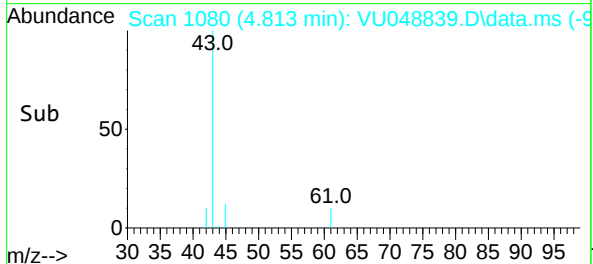
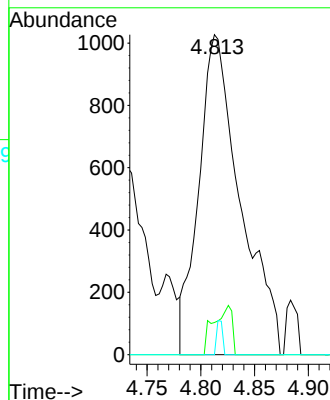
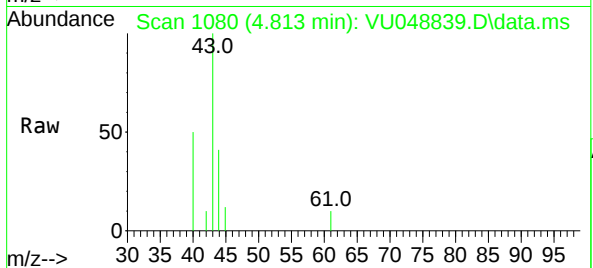




#37
Ethyl Acetate
Concen: 0.404 ug/l
RT: 4.813 min Scan# 1076
Delta R.T. 0.013 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

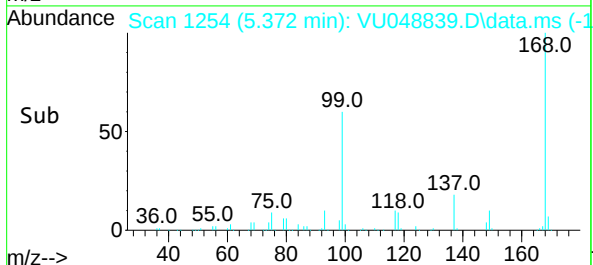
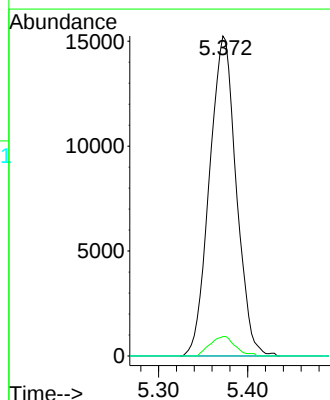
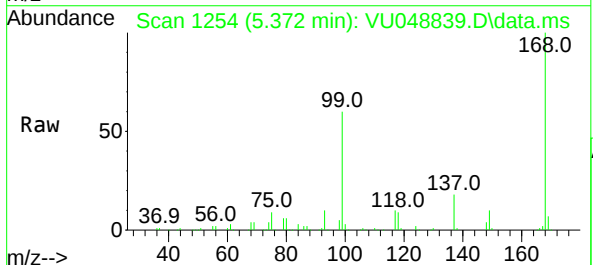
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

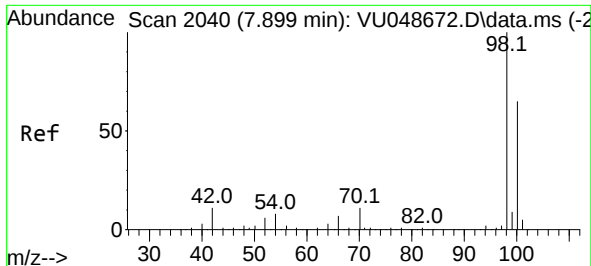
Tgt Ion: 43 Resp: 2763
Ion Ratio Lower Upper
43 100
61 6.8 11.7 17.5#
70 1.5 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.130 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

Tgt Ion: 117 Resp: 31832
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 24.6 36.8#

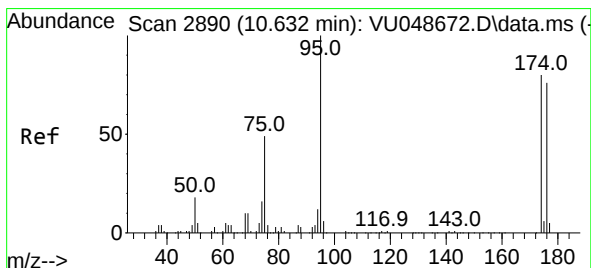
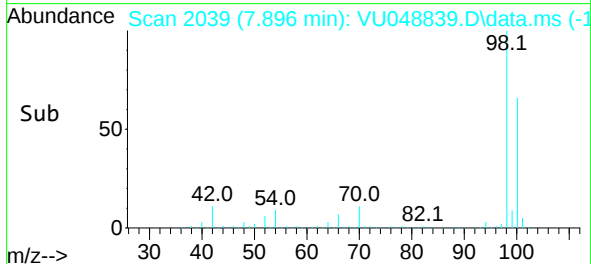
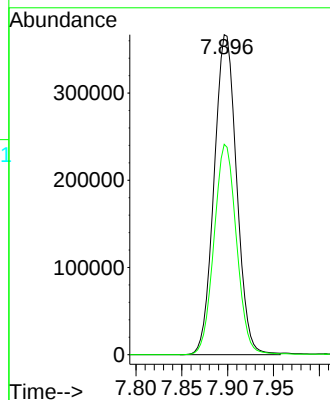
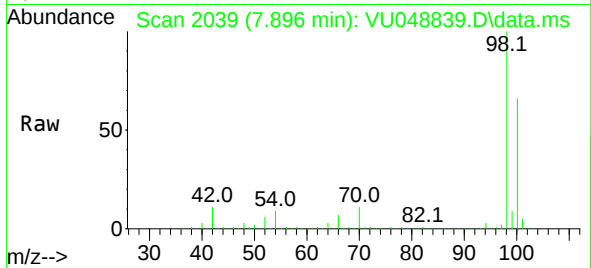




#50
Toluene-d8
Concen: 47.211 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

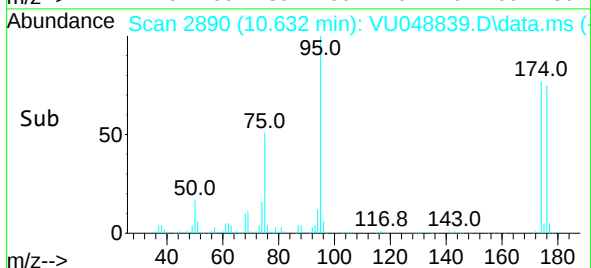
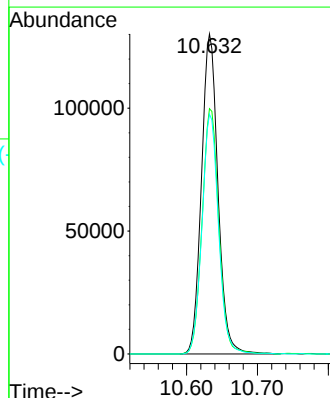
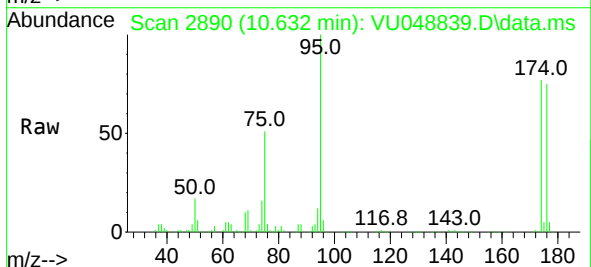
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

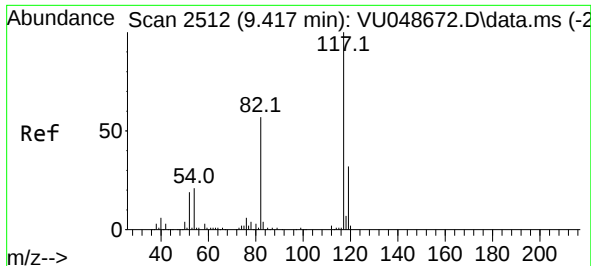
Tgt Ion: 98 Resp: 627116
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 41.933 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

Tgt Ion: 95 Resp: 210657
Ion Ratio Lower Upper
95 100
174 77.3 0.0 159.4
176 75.0 0.0 152.4

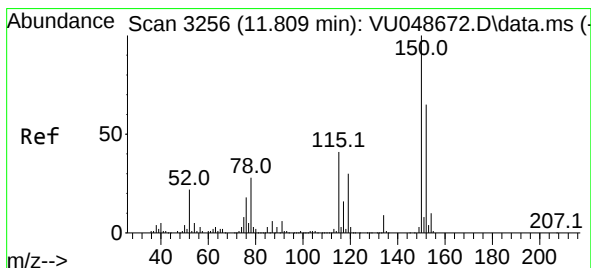
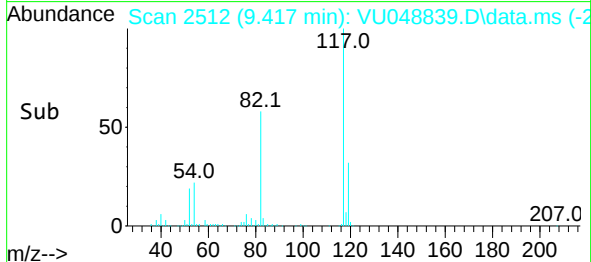
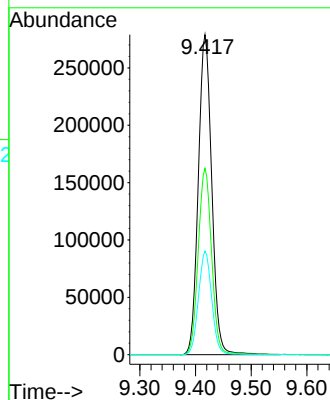
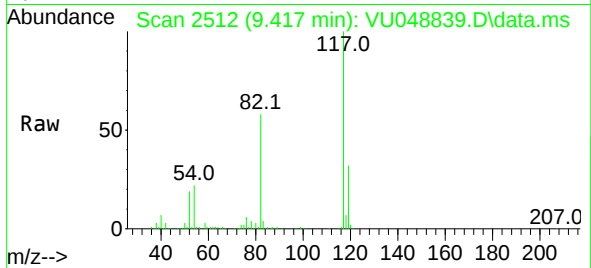




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

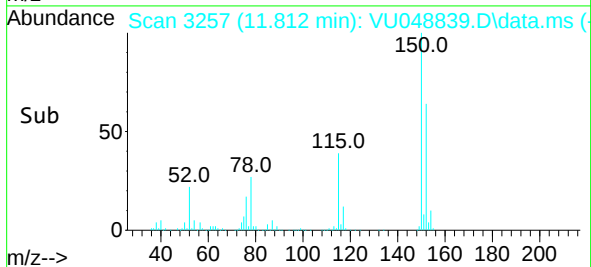
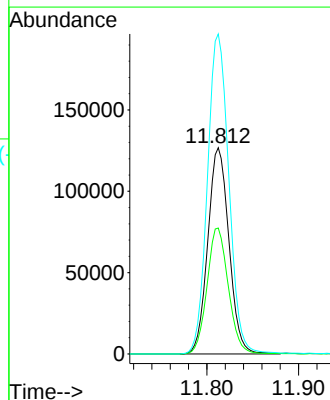
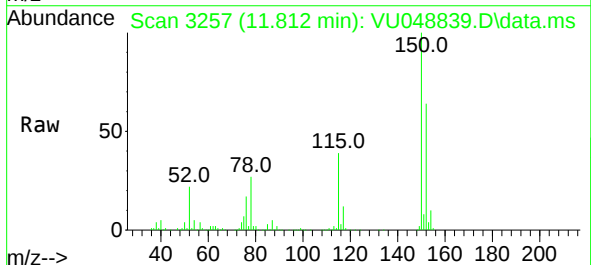
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

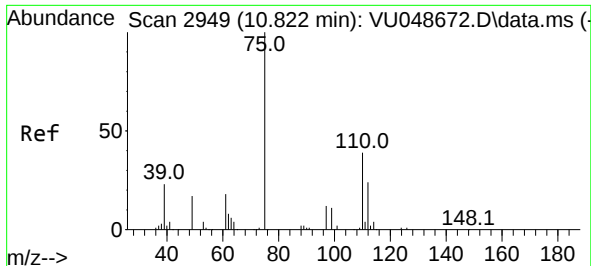
Tgt Ion:117 Resp: 468361
Ion Ratio Lower Upper
117 100
82 58.2 45.3 67.9
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

Tgt Ion:152 Resp: 203514
Ion Ratio Lower Upper
152 100
115 61.4 41.8 125.4
150 156.9 0.0 341.0

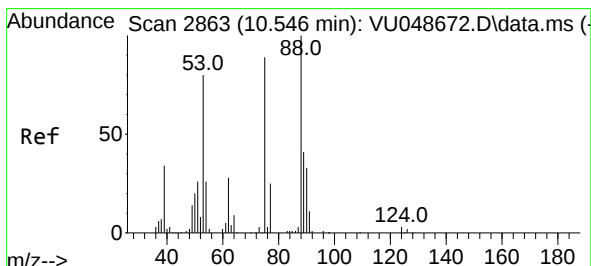
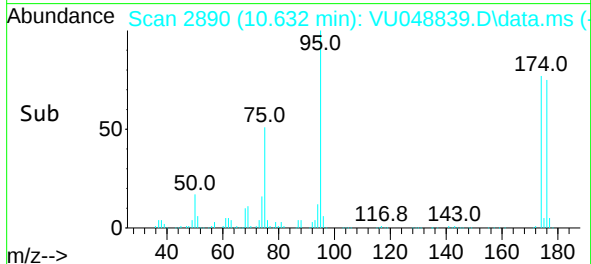
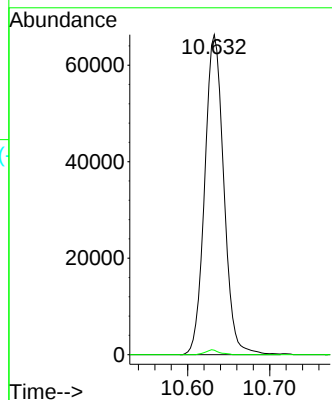
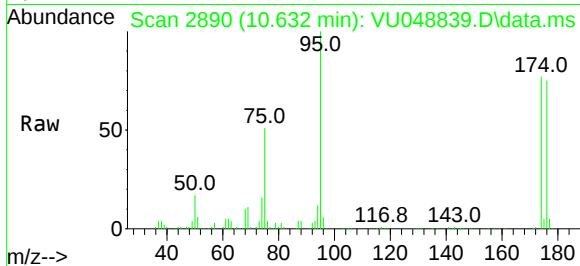




#76
1,2,3-Trichloropropane
Concen: 16.325 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

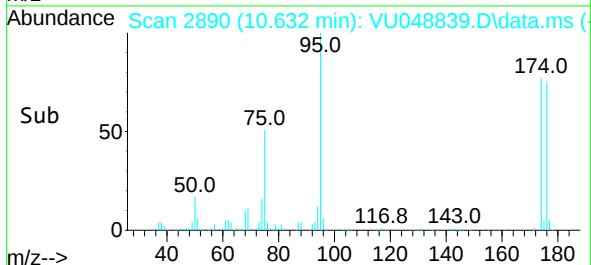
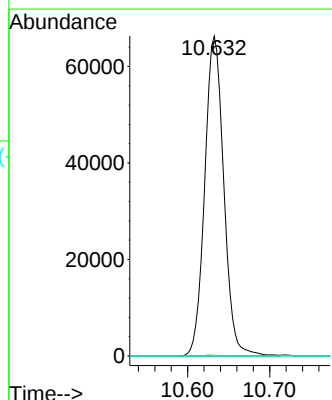
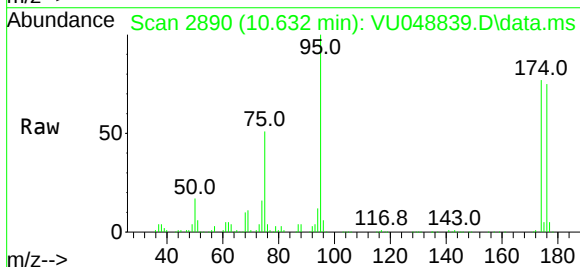
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

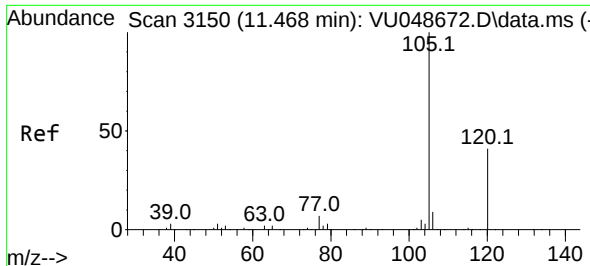
Tgt Ion: 75 Resp: 107118
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.272 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

Tgt Ion: 75 Resp: 107118
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

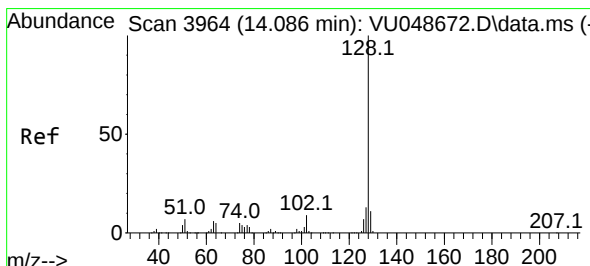
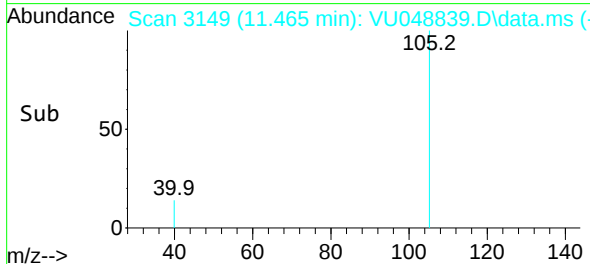
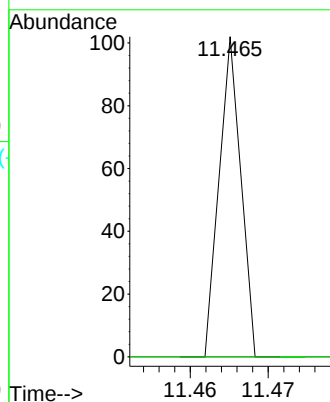
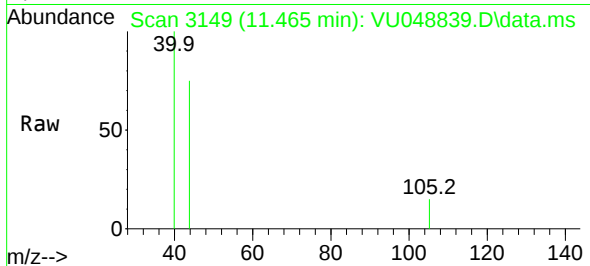




#84
1,2,4-Trimethylbenzene
Concen: 1.189 ug/l
RT: 11.465 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

Tgt Ion:105 Resp: 20
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#95
Naphthalene
Concen: 2.721 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.012 min
Lab File: VU048839.D
Acq: 03 Jun 2022 06:00

Tgt Ion:128 Resp: 3173
Ion Ratio Lower Upper
128 100
127 9.7 10.2 15.4#
129 3.0 8.7 13.1#

