

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048869.D
 Acq On : 03 Jun 2022 19:49
 Operator : SY/MD
 Sample : N3165-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 50BR-20220531

Quant Time: Jun 04 04:41:28 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	278632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	453056	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	411718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	192861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	229426	54.827	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.660%			
35) Dibromofluoromethane	5.288	113	172736	53.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.880%			
50) Toluene-d8	7.896	98	607634	52.444	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.880%			
62) 4-Bromofluorobenzene	10.632	95	202780	46.277	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.560%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.838	94	89	Below Cal		87
6) Chloroethane	1.896	64	828	Below Cal	#	43
10) Methyl Iodide	2.726	142	21	3.009	ug/l #	37
11) Tert butyl alcohol	3.176	59	706	0.665	ug/l #	28
13) Acrolein	2.485	56	73	Below Cal		88
16) Acetone	2.626	43	4015	1.883	ug/l	94
25) 2-Butanone	4.800	43	171667	56.035	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	7003	1.865	ug/l	91
29) Tetrahydrofuran	5.060	42	2959	1.533	ug/l #	79
31) Cyclohexane	5.369	56	5994	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	23607	5.004	ug/l #	49
37) Ethyl Acetate	4.800	43	171667	28.786	ug/l	100
38) Carbon Tetrachloride	5.372	117	28837	5.328	ug/l #	17
44) Trichloroethene	6.539	130	8345	2.326	ug/l	100
74) N-amyl acetate	10.246	43	133	2.487	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	105189	16.916	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	105189	61.420	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.478	105	20	1.189	ug/l #	31
95) Naphthalene	14.111	128	1043	2.598	ug/l #	69

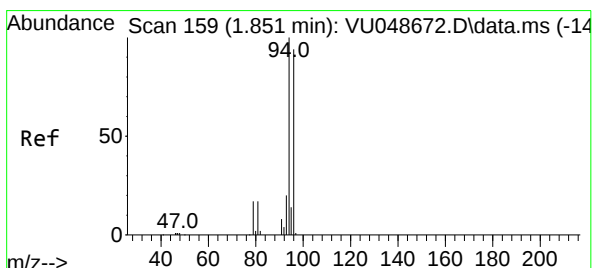
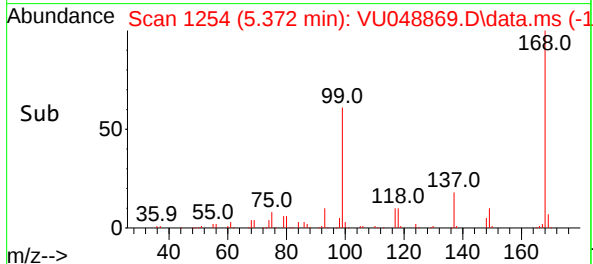
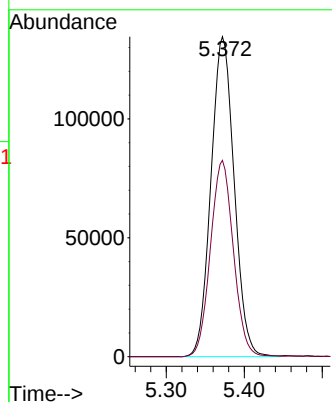
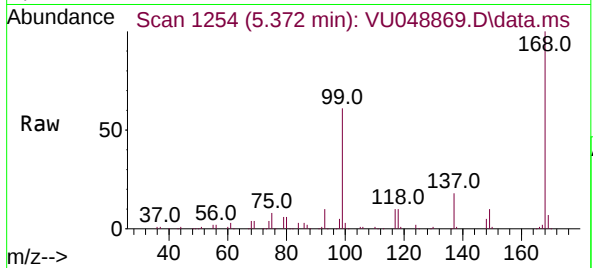
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

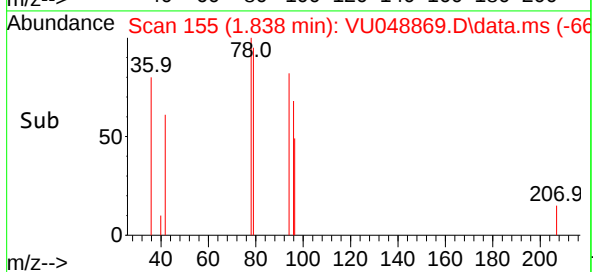
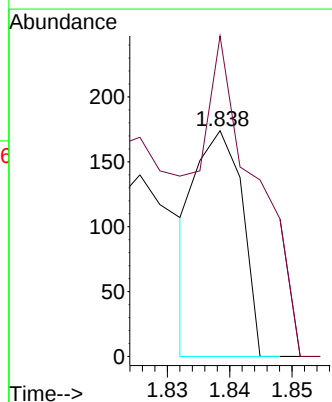
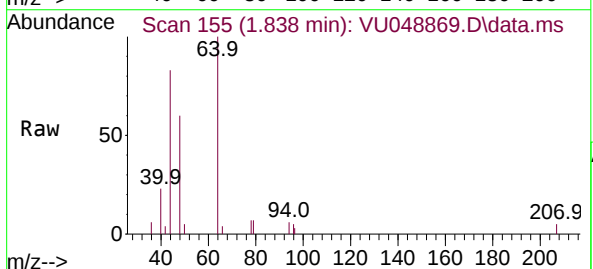
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

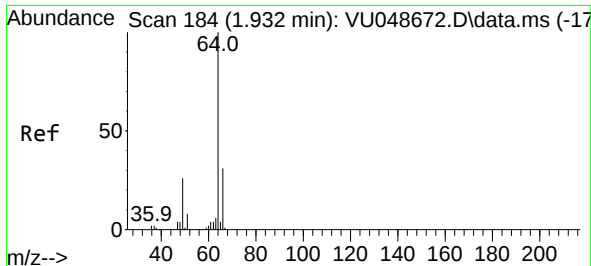
Tgt Ion:168 Resp: 278632
Ion Ratio Lower Upper
168 100
99 61.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.838 min Scan# 155
Delta R.T. -0.013 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 81.0 75.1 112.7

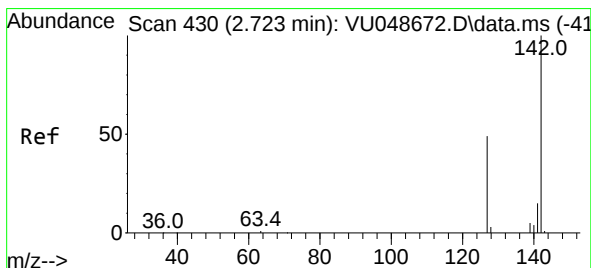
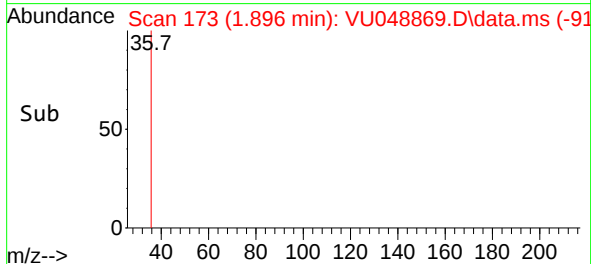
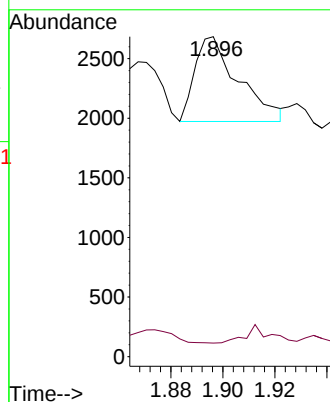
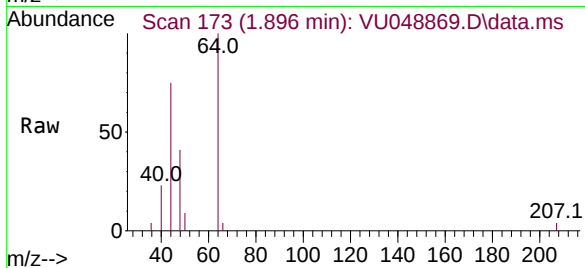




#6
Chloroethane
Concen: Below Cal
RT: 1.896 min Scan# 11
Delta R.T. -0.036 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

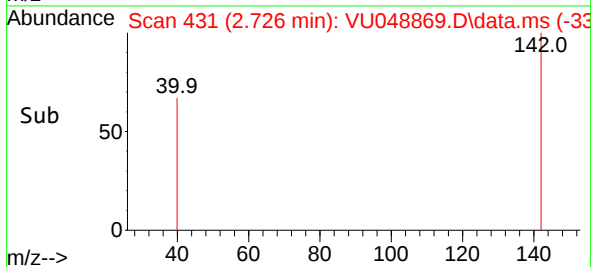
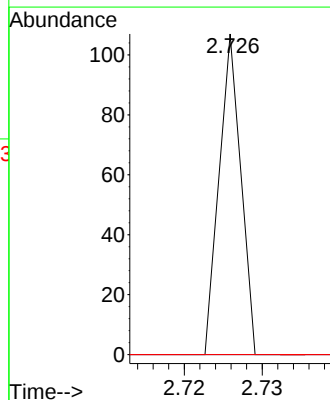
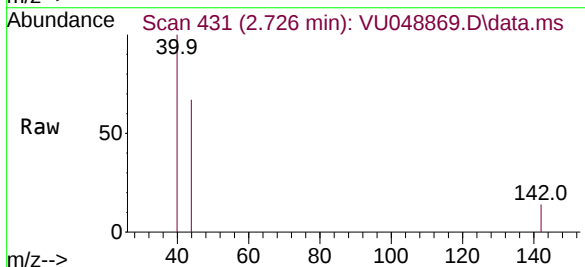
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

Tgt Ion: 64 Resp: 828
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.009 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.003 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

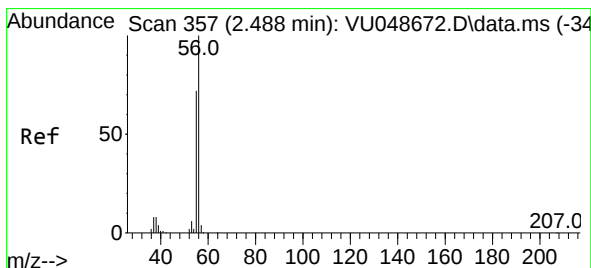
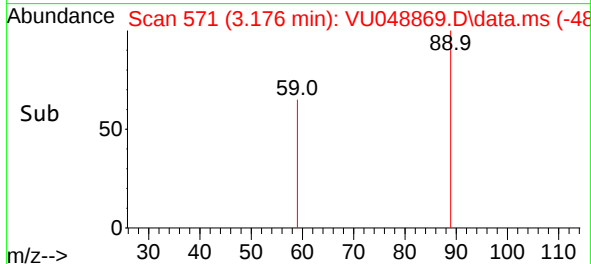
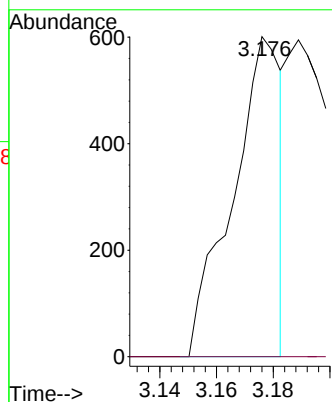
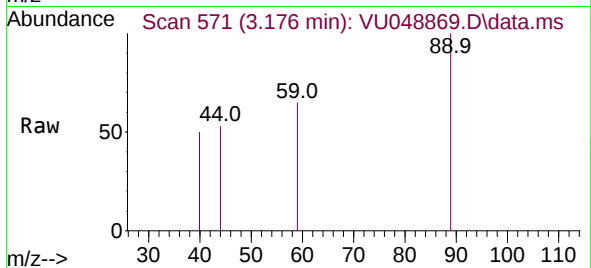




#11
Tert butyl alcohol
Concen: 0.665 ug/l
RT: 3.176 min Scan# 51
Delta R.T. -0.013 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

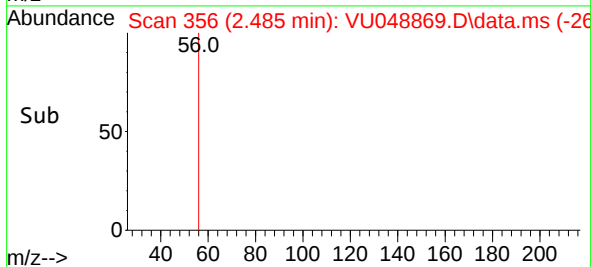
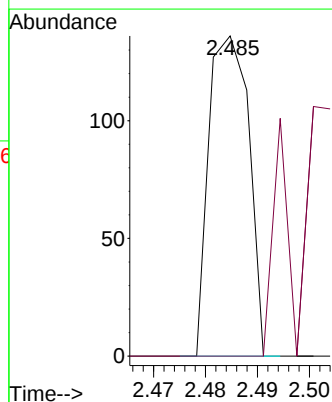
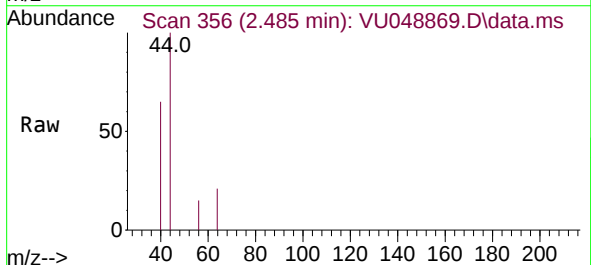
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

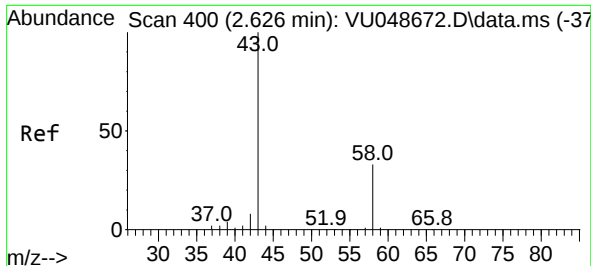
Tgt Ion: 59 Resp: 706
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 356
Delta R.T. -0.003 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 82.2 57.7 86.5

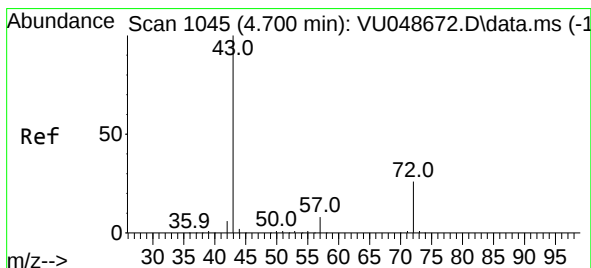
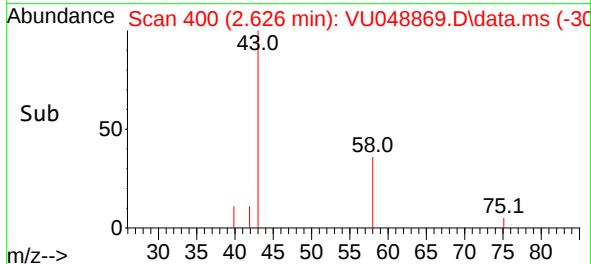
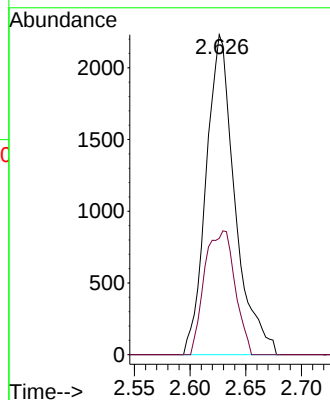
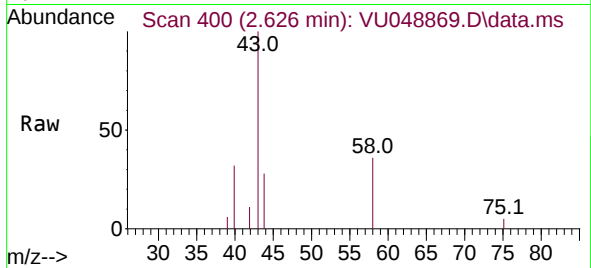




#16
Acetone
Concen: 1.883 ug/l
RT: 2.626 min Scan# 40
Delta R.T. -0.000 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

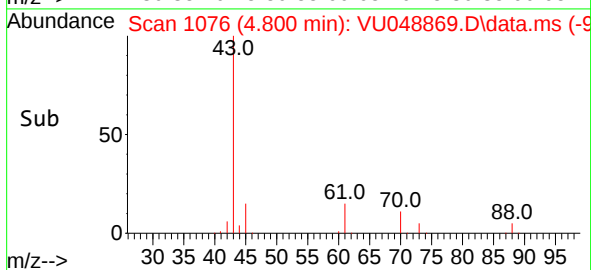
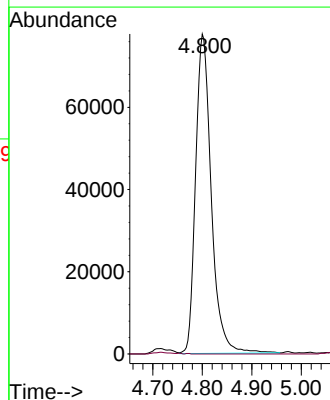
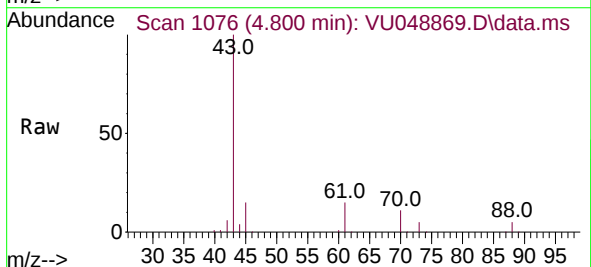
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ClientSampleId :
50BR-20220531

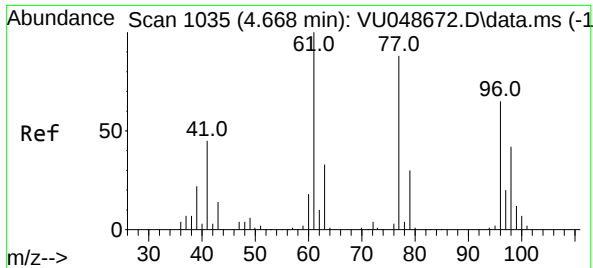
Tgt Ion: 43 Resp: 4015
Ion Ratio Lower Upper
43 100
58 36.4 26.3 39.5



#25
2-Butanone
Concen: 56.035 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Tgt Ion: 43 Resp: 171667
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#27

cis-1,2-Dichloroethene

Concen: 1.865 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048869.D

Acq: 03 Jun 2022 19:49

Instrument :

MSVOA_U

ClientSampleId :

50BR-20220531

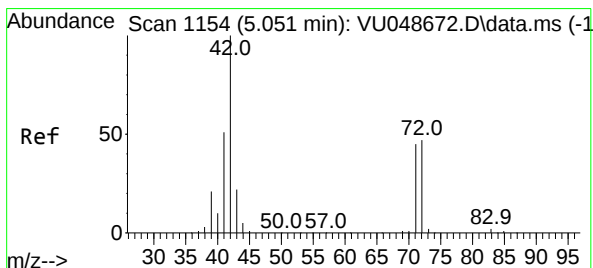
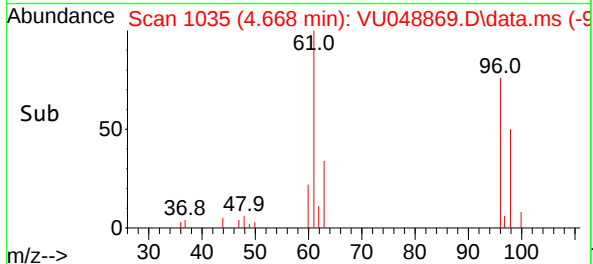
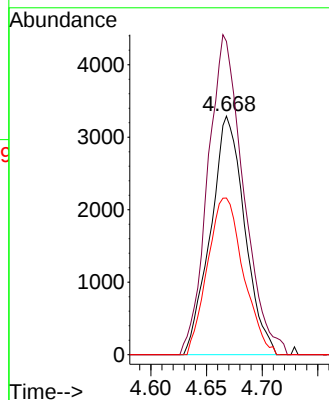
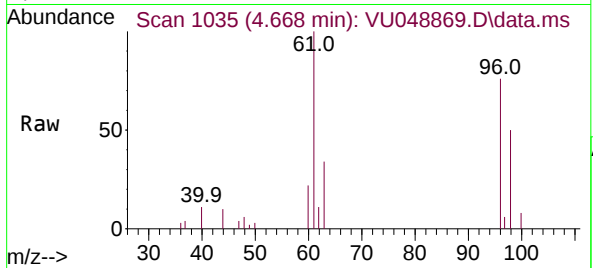
Tgt Ion: 96 Resp: 7003

Ion Ratio Lower Upper

96 100

61 140.1 0.0 306.2

98 69.2 0.0 130.4



#29

Tetrahydrofuran

Concen: 1.533 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048869.D

Acq: 03 Jun 2022 19:49

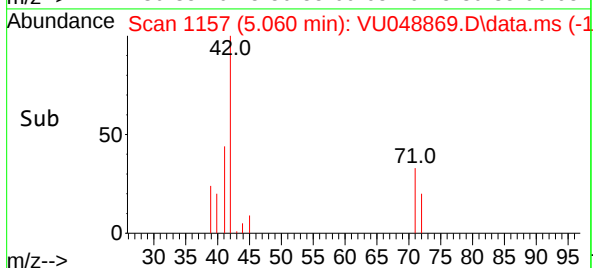
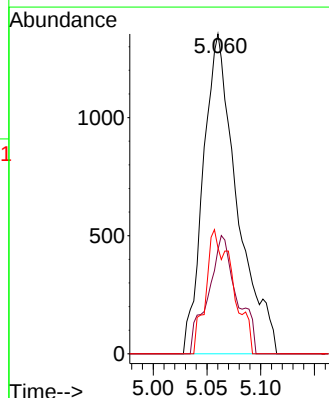
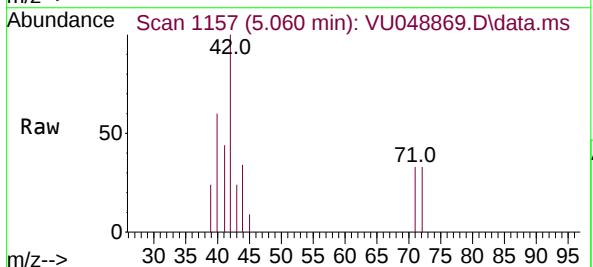
Tgt Ion: 42 Resp: 2959

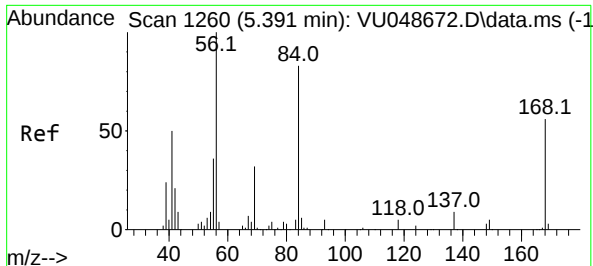
Ion Ratio Lower Upper

42 100

72 31.5 37.6 56.4#

71 31.1 35.0 52.4#

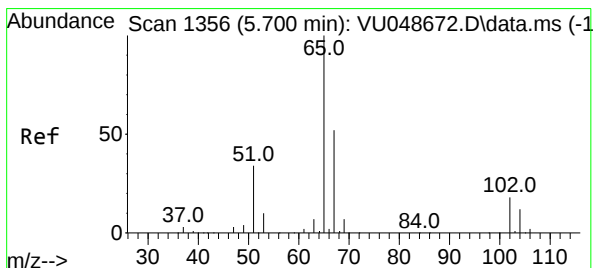
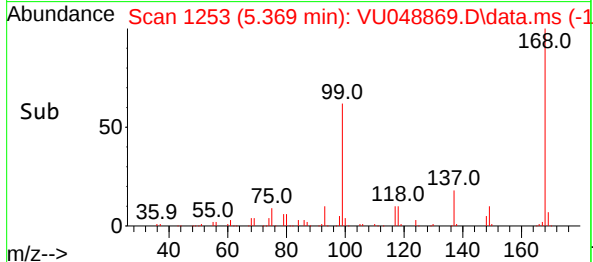
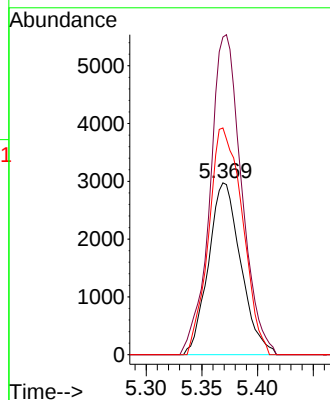
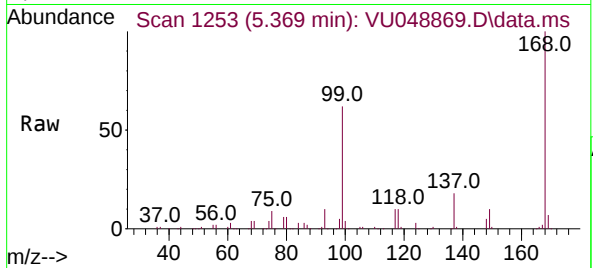




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

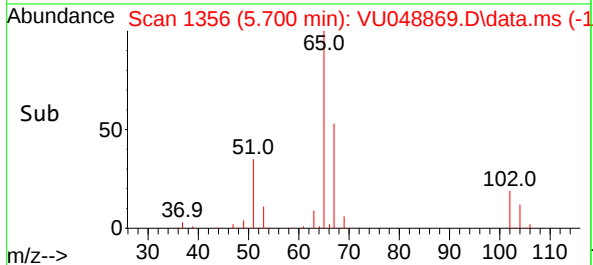
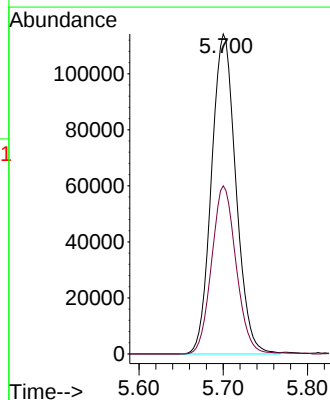
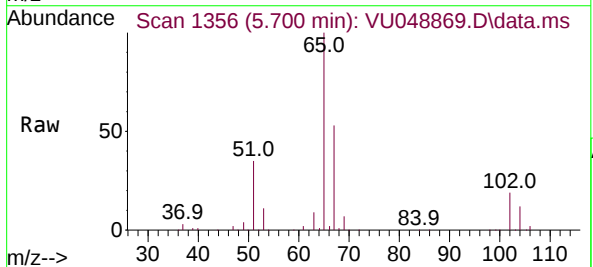
Instrument :
MSVOA_U
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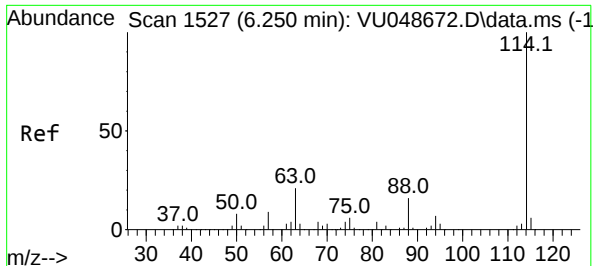
Tgt Ion: 56 Resp: 5994
Ion Ratio Lower Upper
56 100
69 184.8 25.6 38.4#
84 131.9 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 54.827 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Tgt Ion: 65 Resp: 229426
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048869.D

Acq: 03 Jun 2022 19:49

Instrument :

MSVOA_U

ClientSampleId :

50BR-20220531

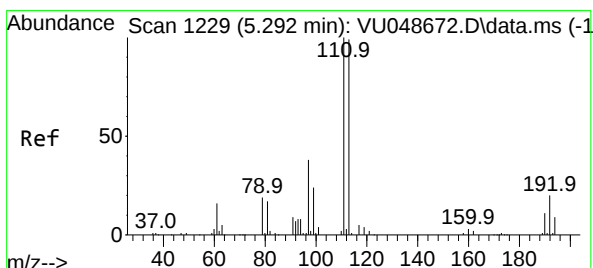
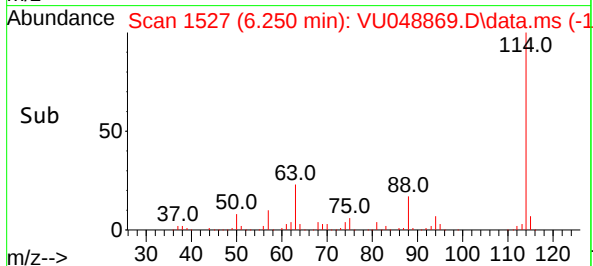
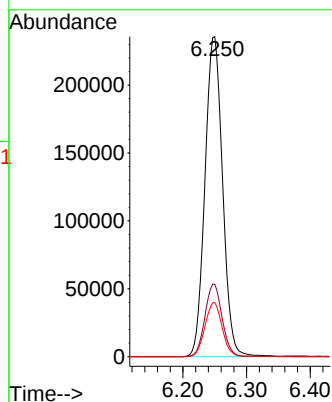
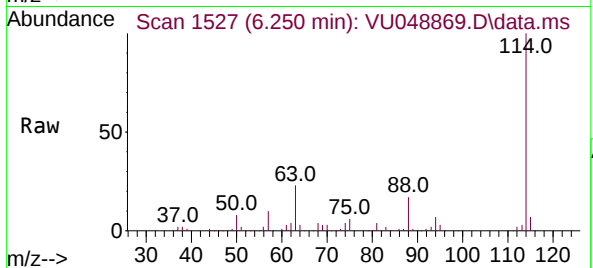
Tgt Ion:114 Resp: 453056

Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.6

88 17.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.442 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048869.D

Acq: 03 Jun 2022 19:49

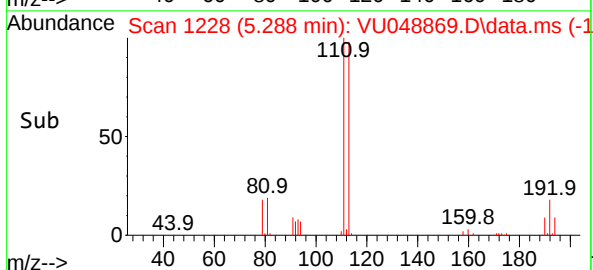
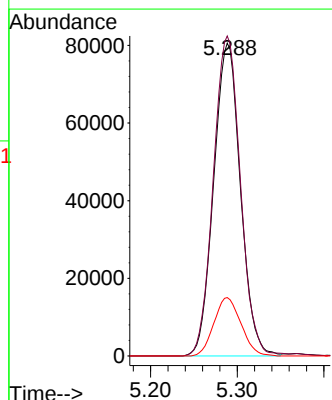
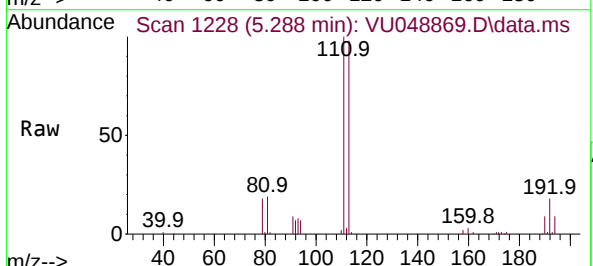
Tgt Ion:113 Resp: 172736

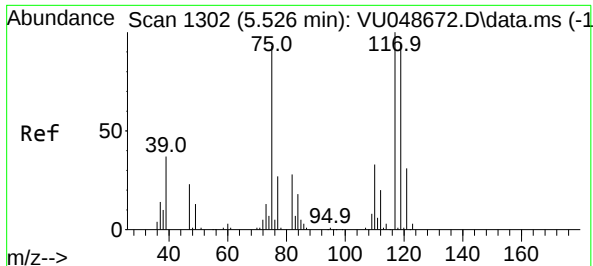
Ion Ratio Lower Upper

113 100

111 103.6 80.7 121.1

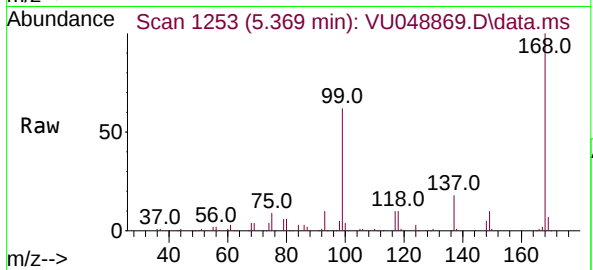
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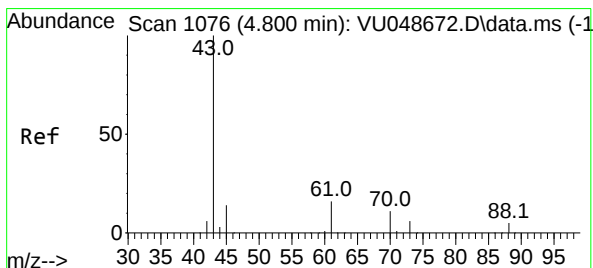
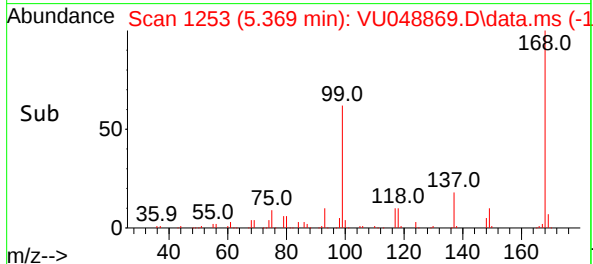
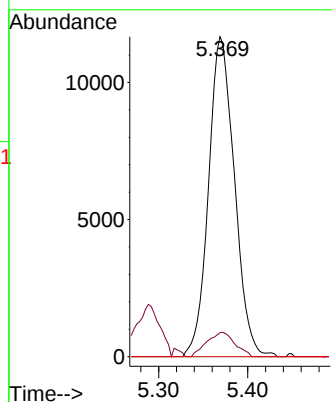


#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.158 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

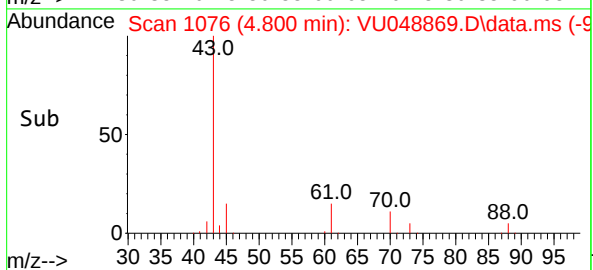
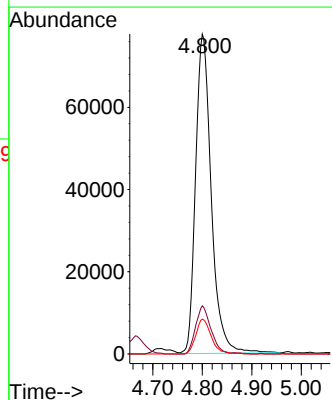
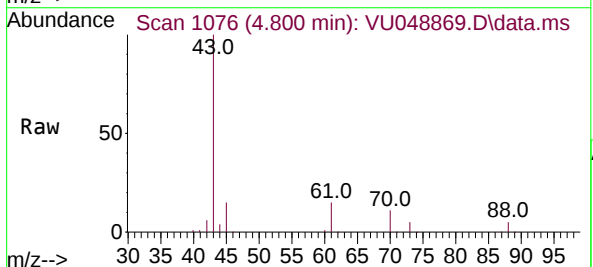


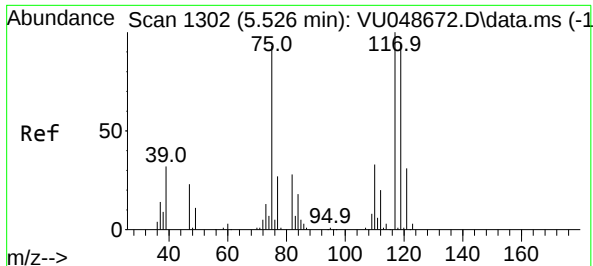
Tgt Ion: 75 Resp: 23607
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 28.786 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

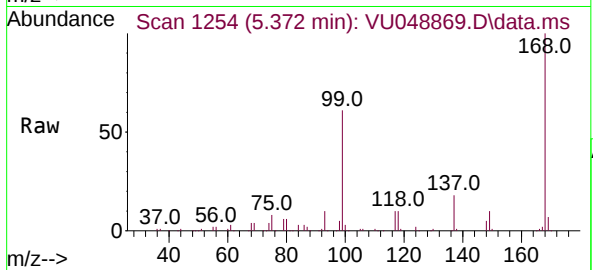
Tgt Ion: 43 Resp: 171667
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 10.6 8.4 12.6



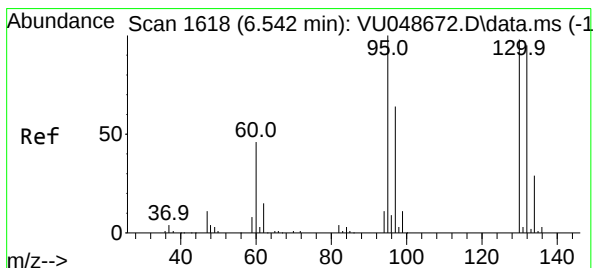
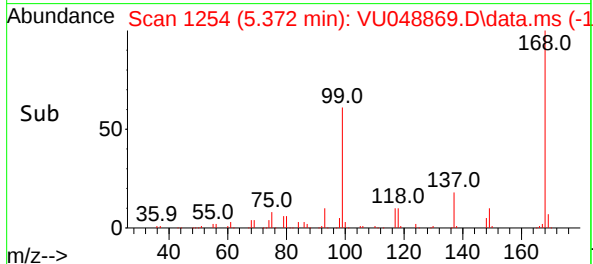
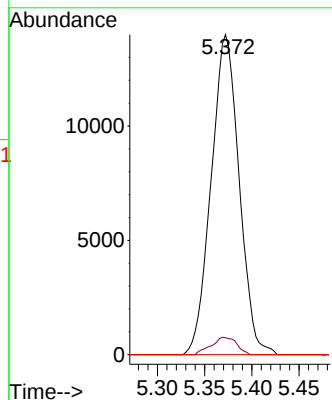


#38
Carbon Tetrachloride
Concen: 5.328 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

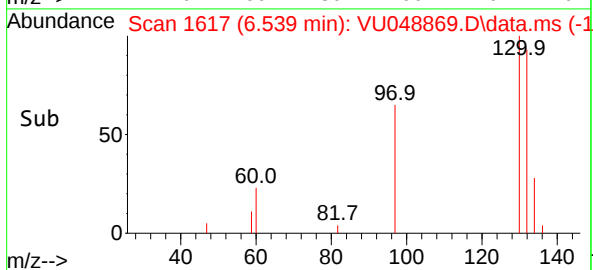
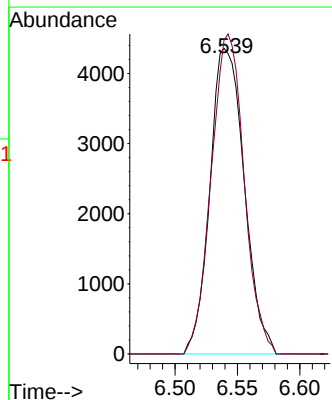
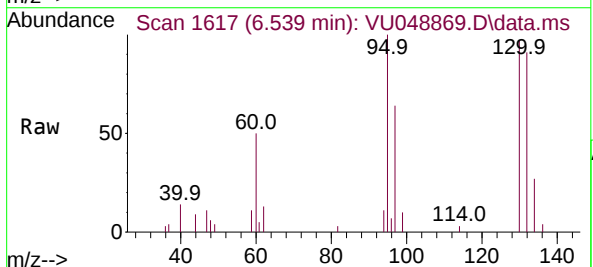


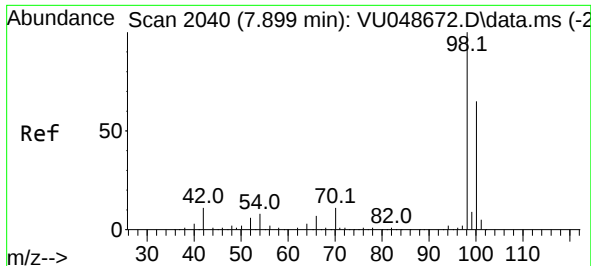
Tgt Ion:117 Resp: 28837
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 2.326 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Tgt Ion:130 Resp: 8345
Ion Ratio Lower Upper
130 100
95 102.7 0.0 204.8

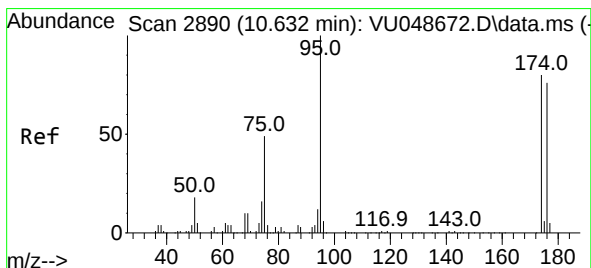
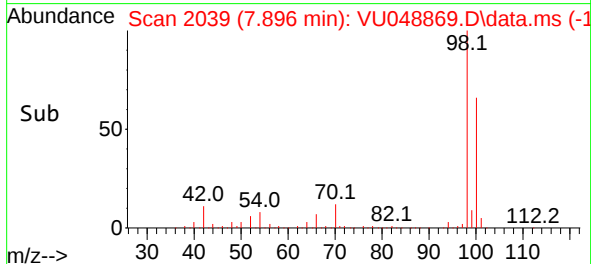
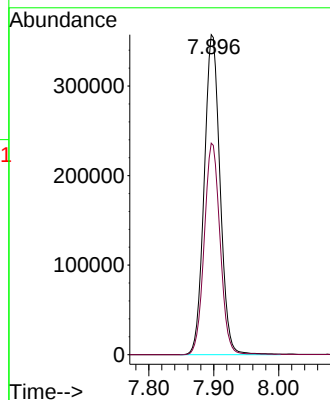
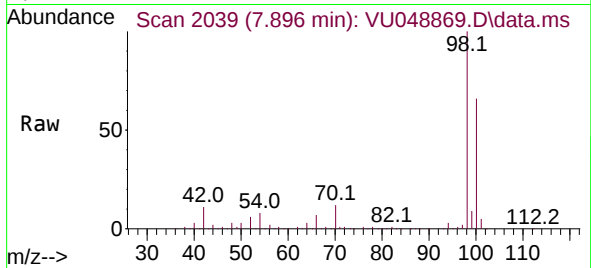




#50
Toluene-d8
Concen: 52.444 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

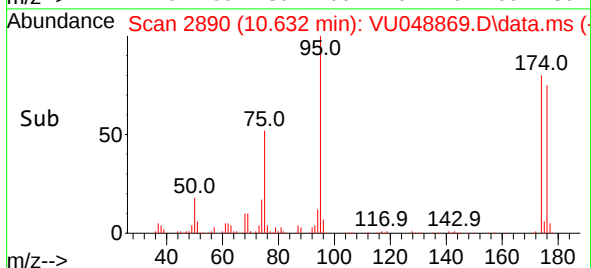
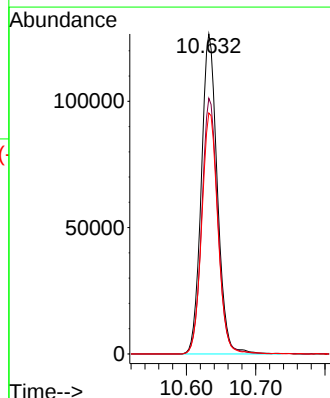
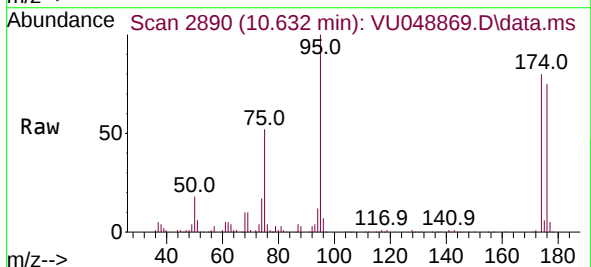
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

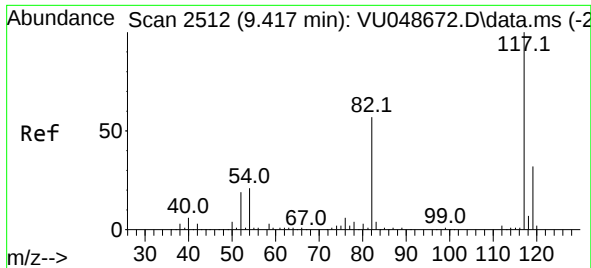
Tgt Ion: 98 Resp: 607634
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 46.277 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Tgt Ion: 95 Resp: 202780
Ion Ratio Lower Upper
95 100
174 79.9 0.0 159.4
176 76.3 0.0 152.4

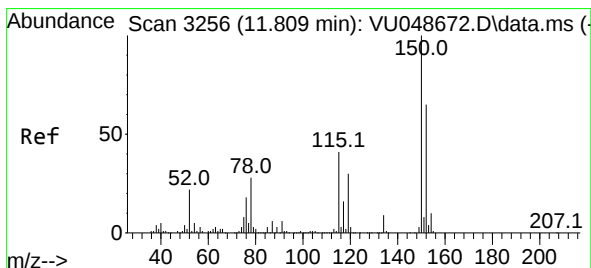
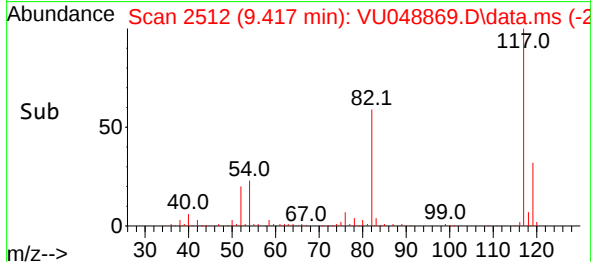
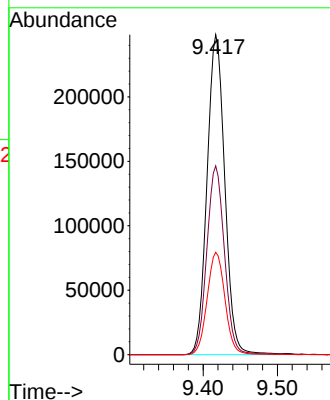
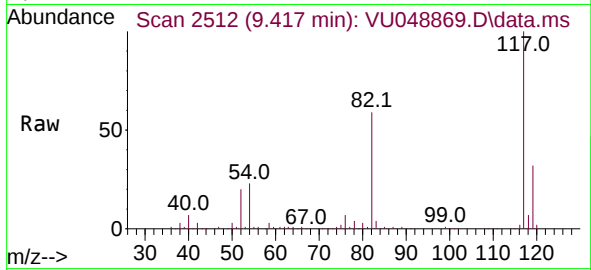




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

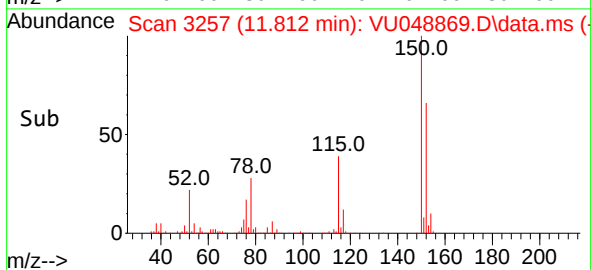
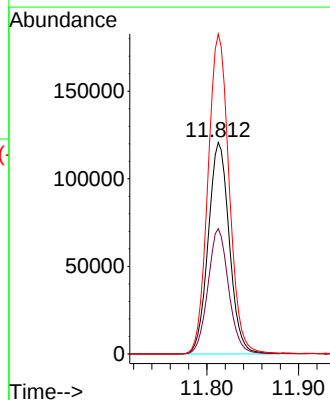
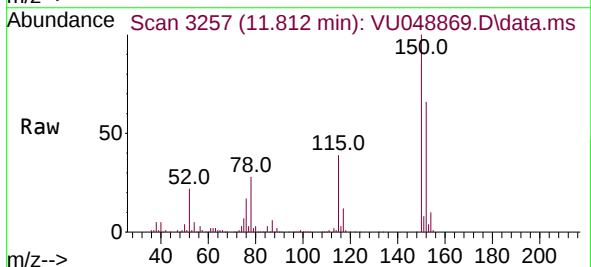
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

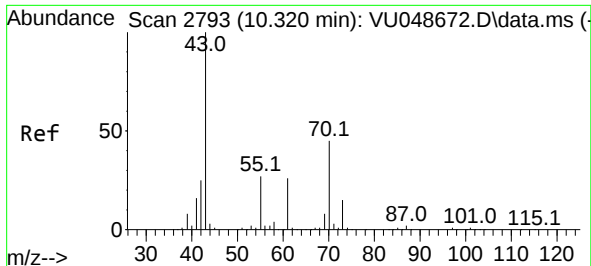
Tgt Ion:117 Resp: 411718
Ion Ratio Lower Upper
117 100
82 59.0 45.3 67.9
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Tgt Ion:152 Resp: 192861
Ion Ratio Lower Upper
152 100
115 58.3 41.8 125.4
150 151.9 0.0 341.0

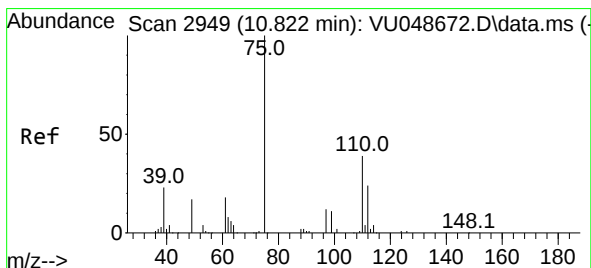
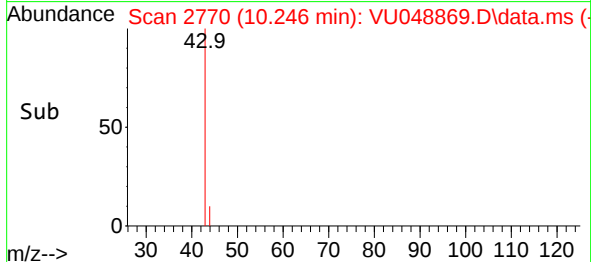
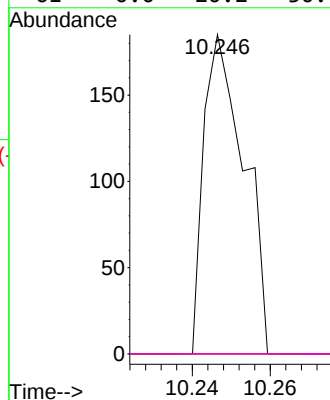
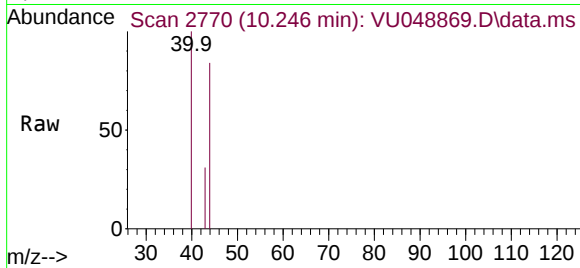




#74
N-amy1 acetate
Concen: 2.487 ug/l
RT: 10.246 min Scan# 21
Delta R.T. -0.074 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

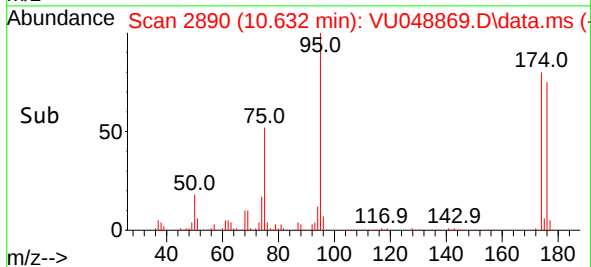
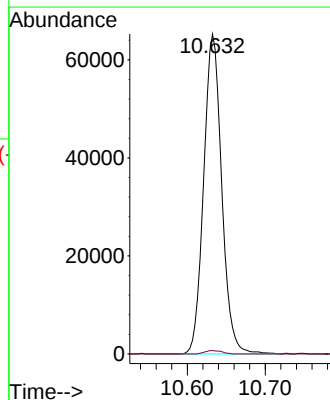
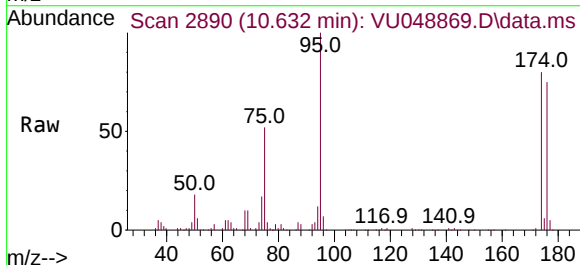
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

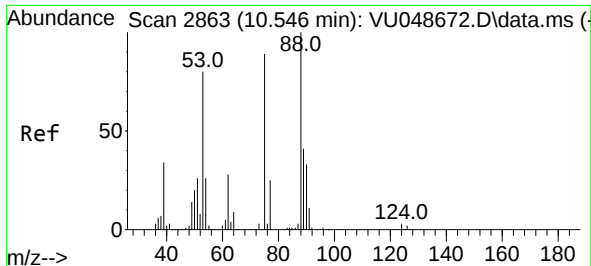
Tgt Ion: 43	Resp: 133
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 16.916 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

Tgt Ion: 75	Resp: 105189
Ion Ratio	Lower Upper
75 100	
77 1.0	14.8 44.3#

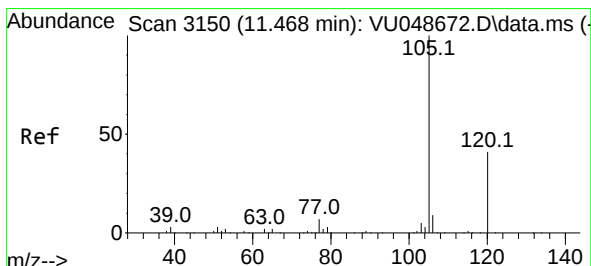
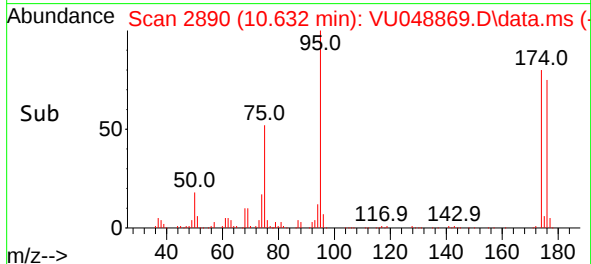
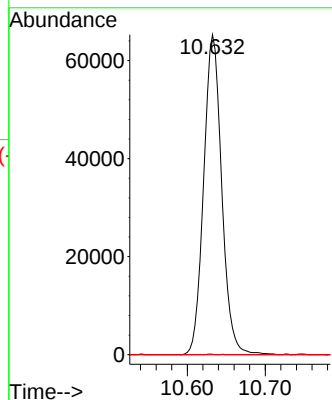
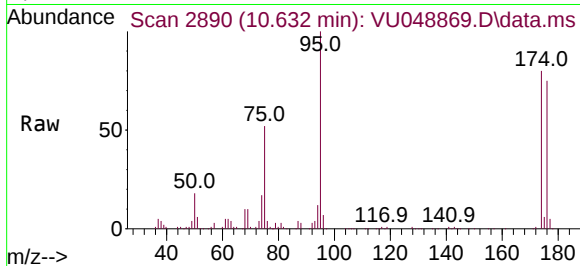




#81
trans-1,4-Dichloro-2-butene
Concen: 61.420 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

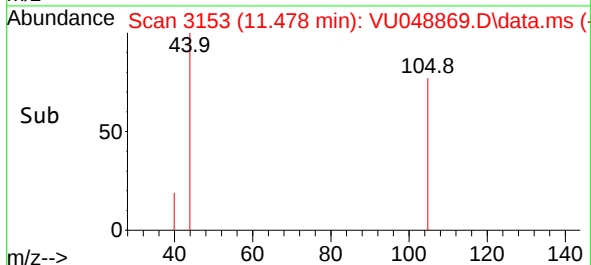
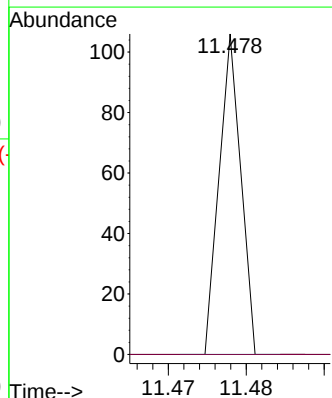
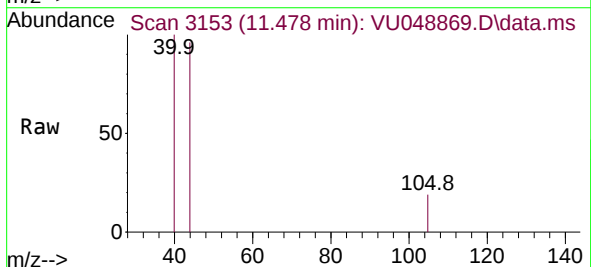
Instrument :
MSVOA_U
ClientSampleId :
50BR-20220531

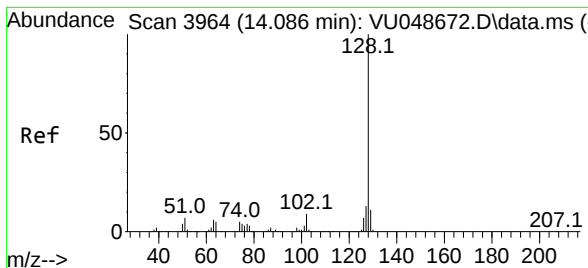
Tgt Ion: 75 Resp: 105189
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.189 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.010 min
Lab File: VU048869.D
Acq: 03 Jun 2022 19:49

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





#95

Naphthalene

Concen: 2.598 ug/l

RT: 14.111 min Scan# 3964

Delta R.T. 0.025 min

Lab File: VU048869.D

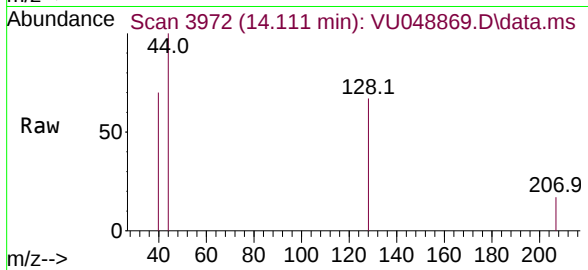
Acq: 03 Jun 2022 19:49

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:128 Resp: 1043

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.7 13.1#

