

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048860.D
 Acq On : 03 Jun 2022 16:16
 Operator : SY/MD
 Sample : N3112-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WEST-DITCH-IN-20220527

Quant Time: Jun 04 04:38:30 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)

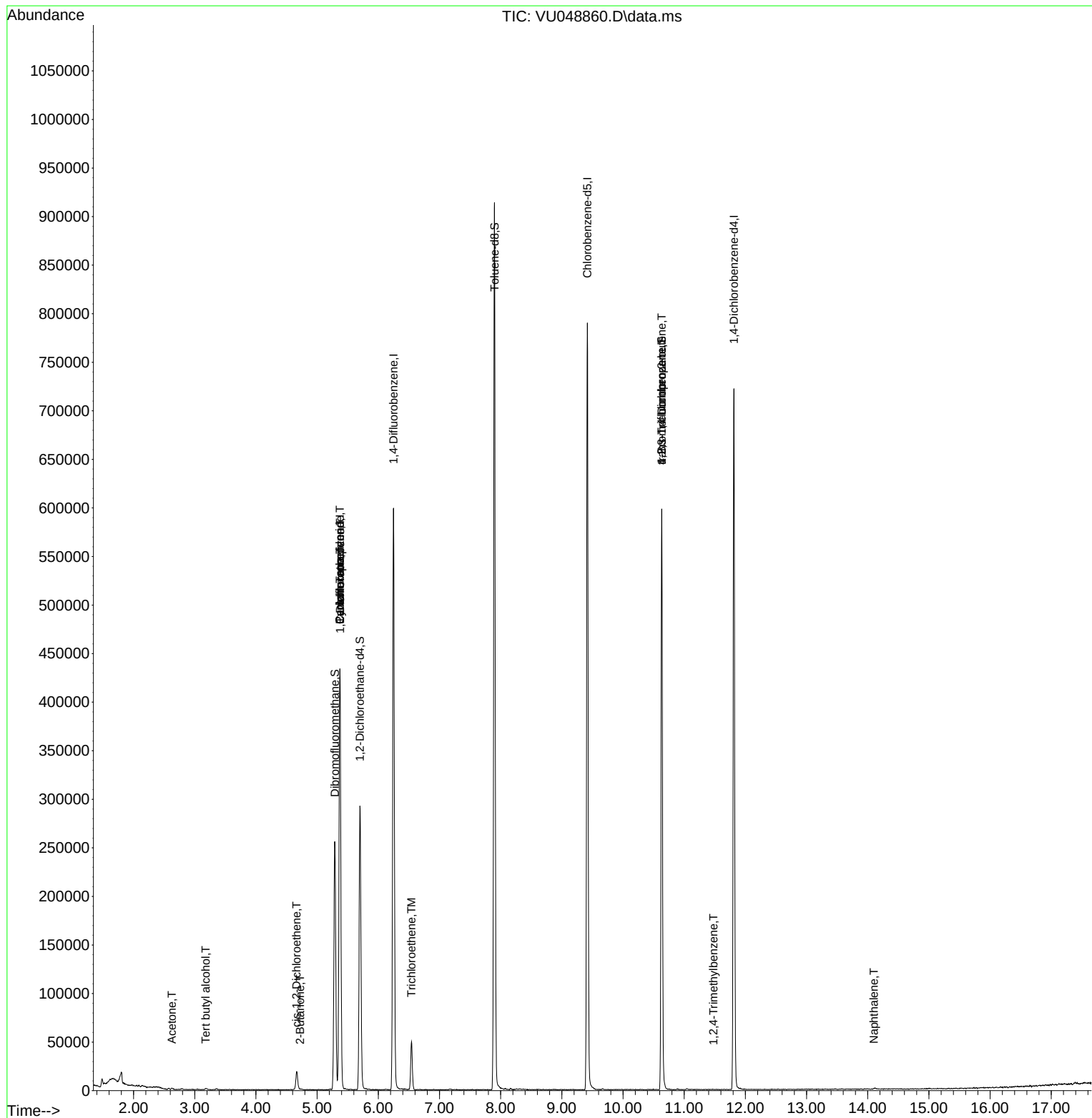
Internal Standards						
1) Pentafluorobenzene	5.372	168	293428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	481160	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	433846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	195695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	220011	49.926	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.860%		
35) Dibromofluoromethane	5.288	113	165883	48.324	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.640%		
50) Toluene-d8	7.899	98	599731	48.739	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.480%		
62) 4-Bromofluorobenzene	10.632	95	201159	43.226	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.460%		
Target Compounds						Qvalue
5) Bromomethane	1.835	94	147	Below Cal		88
6) Chloroethane	1.919	64	182	Below Cal	#	43
11) Tert butyl alcohol	3.179	59	911	0.815 ug/l	#	28
13) Acrolein	2.491	56	119	Below Cal	#	14
16) Acetone	2.626	43	1793	0.798 ug/l	#	72
25) 2-Butanone	4.723	43	1574	0.488 ug/l	#	49
27) cis-1,2-Dichloroethene	4.665	96	10001	2.529 ug/l		87
31) Cyclohexane	5.372	56	6714	1.209 ug/l	#	1
36) 1,1-Dichloropropene	5.375	75	24650	4.920 ug/l	#	51
38) Carbon Tetrachloride	5.372	117	29549	5.141 ug/l	#	17
44) Trichloroethene	6.542	130	16461	4.320 ug/l		91
76) 1,2,3-Trichloropropane	10.632	75	102734	16.282 ug/l	#	47
81) trans-1,4-Dichloro-2-b...	10.632	75	102734	59.118 ug/l	#	13
84) 1,2,4-Trimethylbenzene	11.478	105	110	1.196 ug/l	#	31
95) Naphthalene	14.102	128	687	2.575 ug/l	#	73

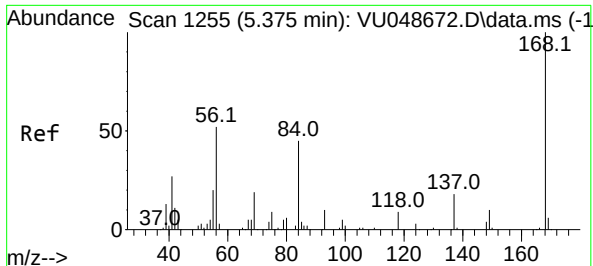
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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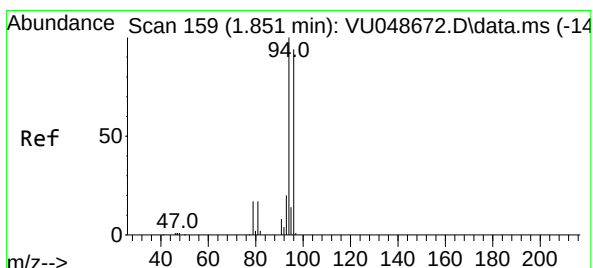
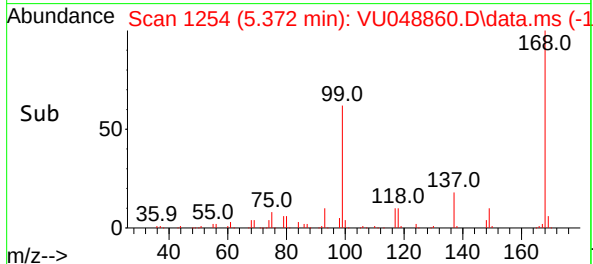
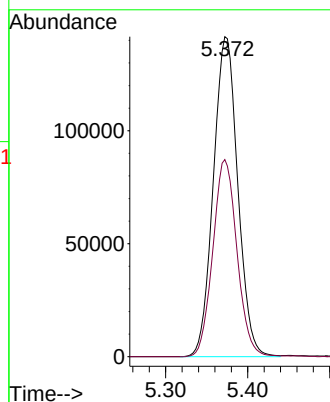
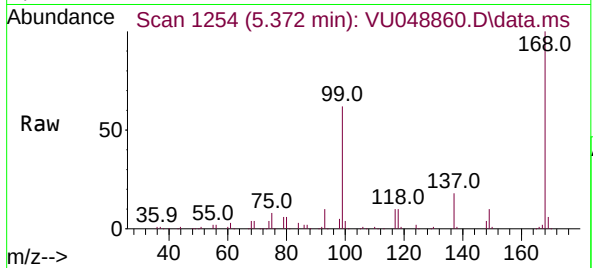




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

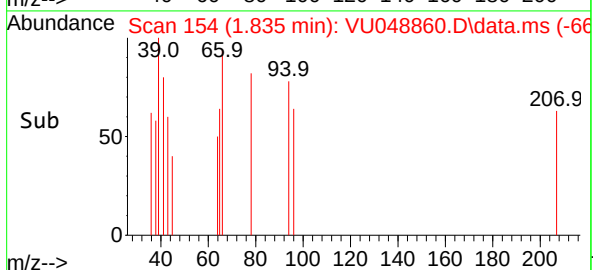
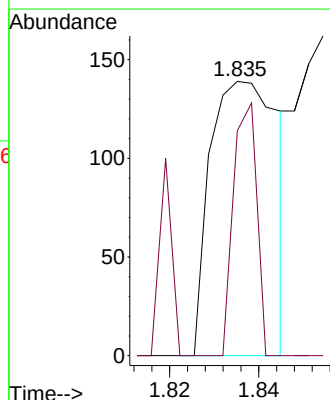
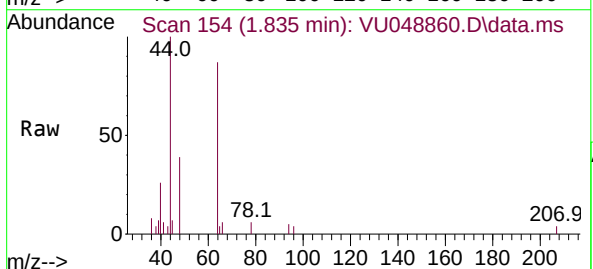
Instrument :
MSVOA_U
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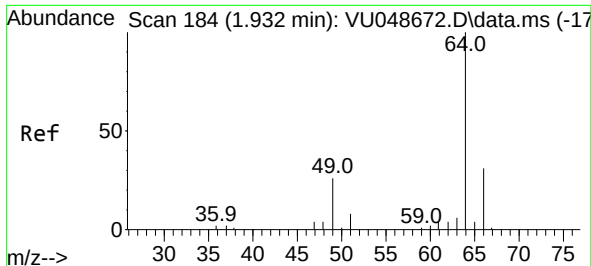
Tgt Ion:168 Resp: 293428
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 154
Delta R.T. -0.016 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

Tgt Ion: 94 Resp: 147
Ion Ratio Lower Upper
94 100
96 82.0 75.1 112.7

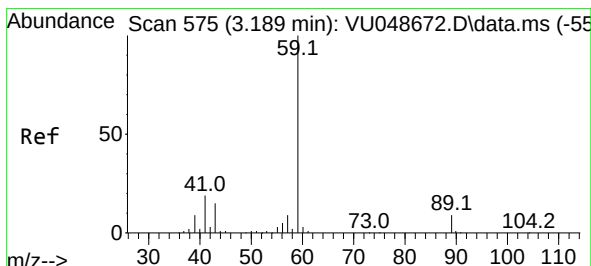
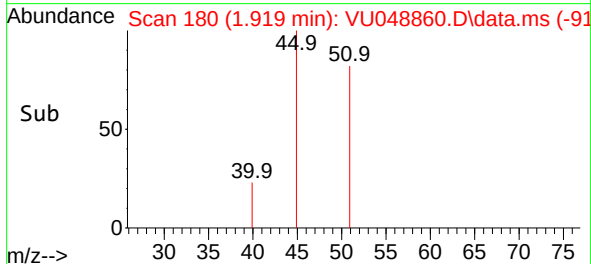
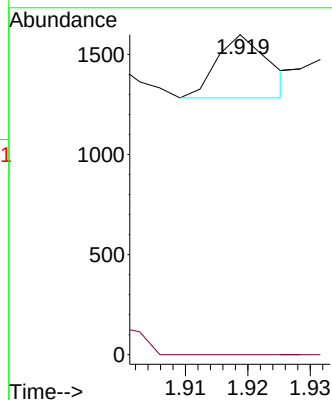
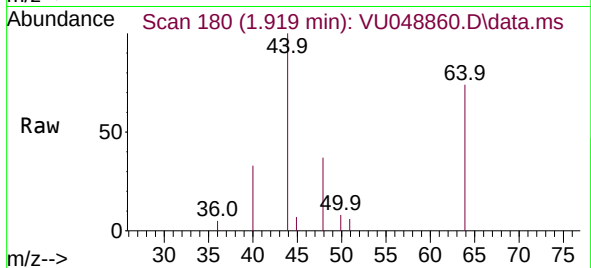




#6
Chloroethane
Concen: Below Cal
RT: 1.919 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

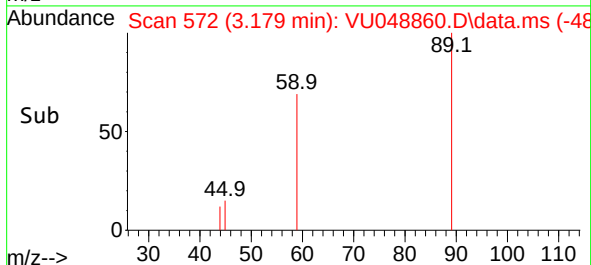
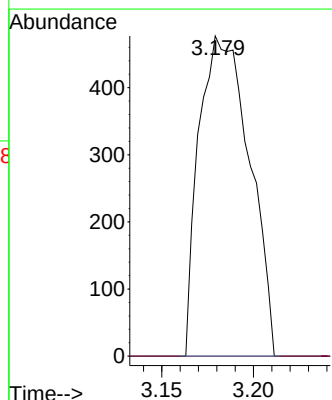
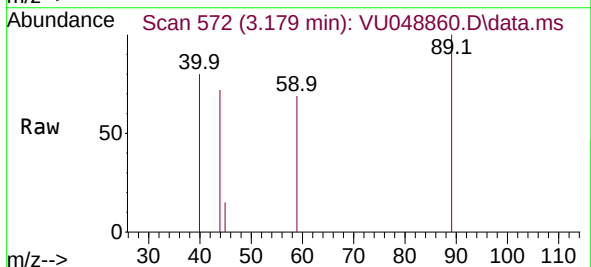
Instrument :
MSVOA_U
ClientSampleId :
WEST-DITCH-IN-20220527

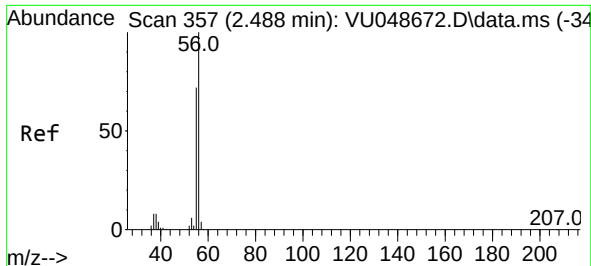
Tgt Ion: 64 Resp: 182
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 0.815 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.010 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

Tgt Ion: 59 Resp: 911
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

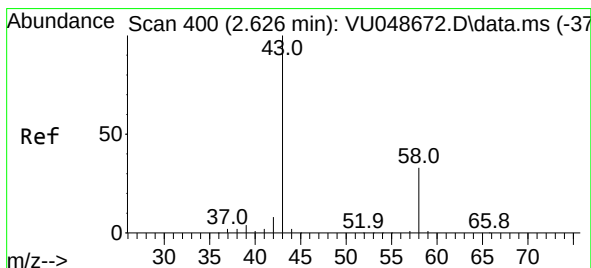
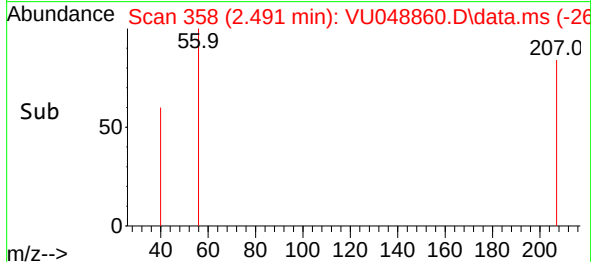
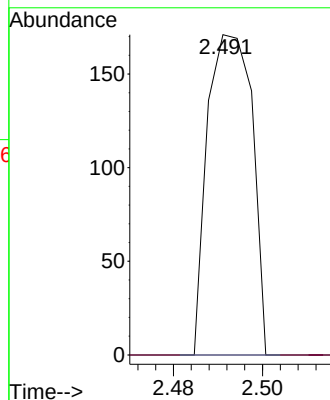
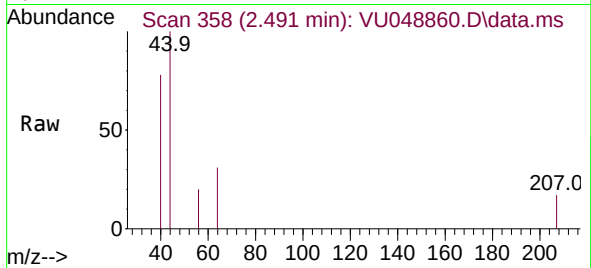




#13
Acrolein
Concen: Below Cal
RT: 2.491 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

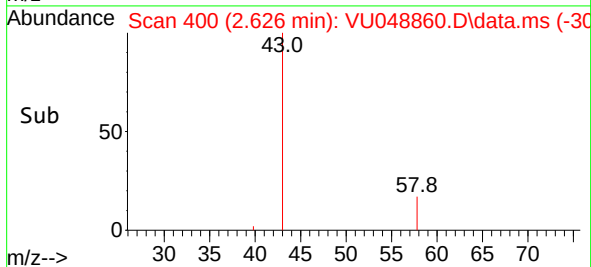
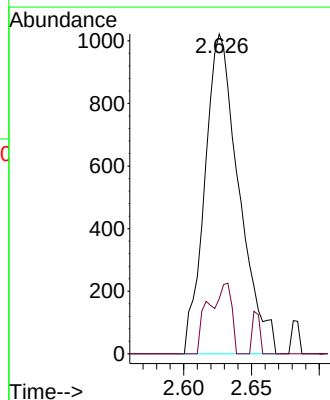
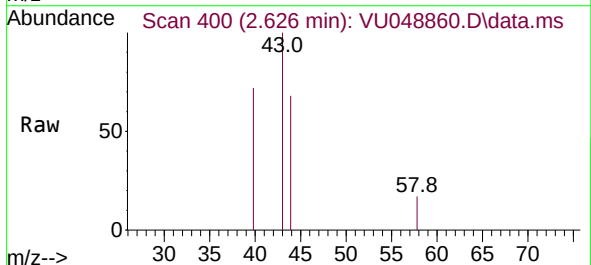
Instrument :
MSVOA_U
ClientSampleId :
WEST-DITCH-IN-20220527

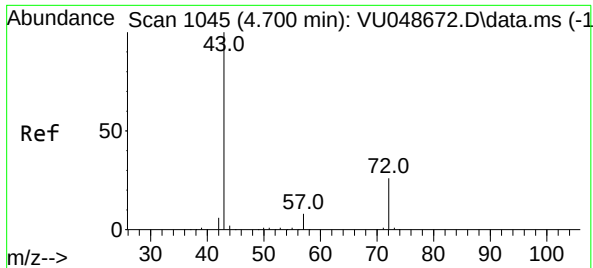
Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 0.798 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
58 17.2 26.3 39.5#

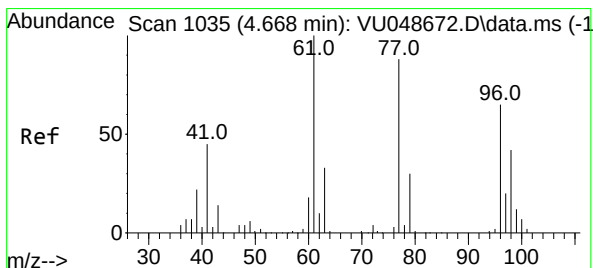
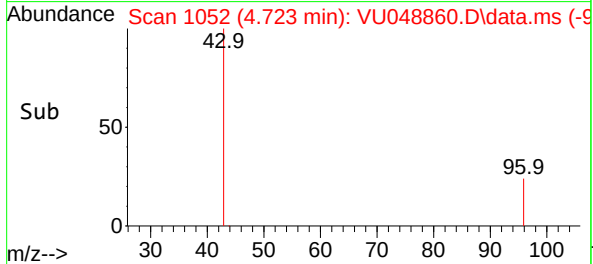
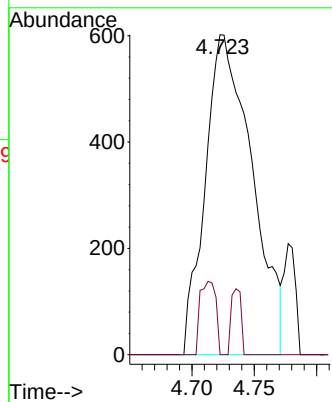
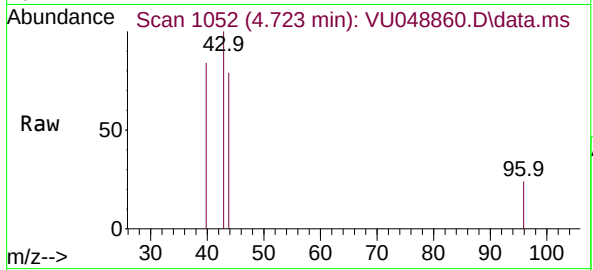




#25
2-Butanone
Concen: 0.488 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.022 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

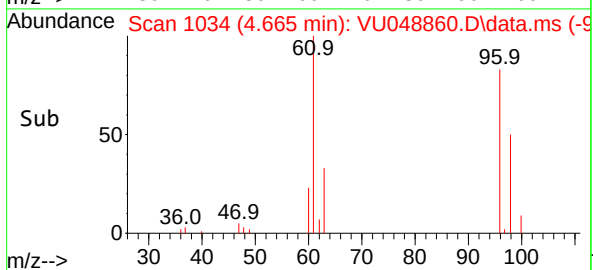
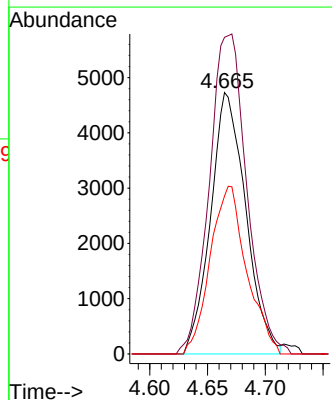
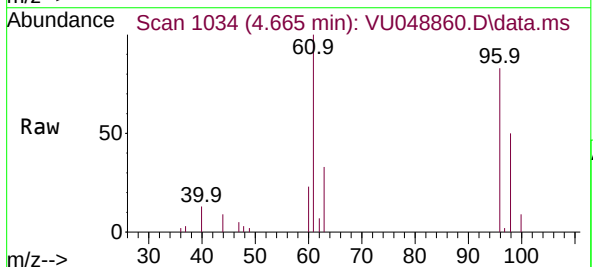
Instrument :
MSVOA_U
ClientSampleId :
WEST-DITCH-IN-20220527

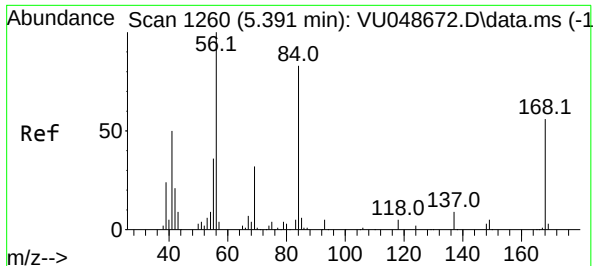
Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#27
cis-1,2-Dichloroethene
Concen: 2.529 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

Tgt Ion: 96 Resp: 10001
Ion Ratio Lower Upper
96 100
61 130.7 0.0 306.2
98 66.5 0.0 130.4





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048860.D

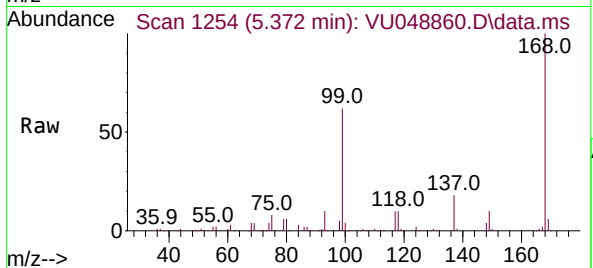
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Instrument :

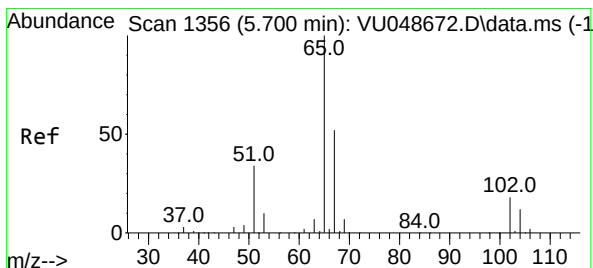
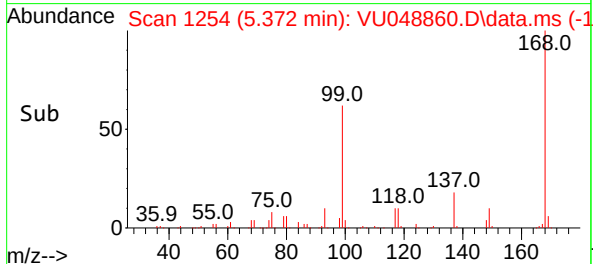
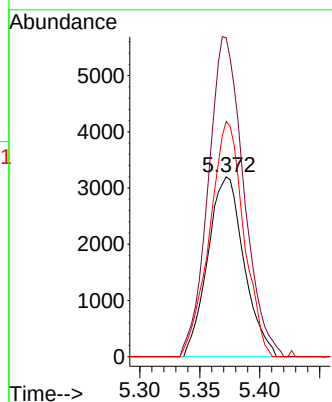
MSVOA_U

ClientSampleId :

WEST-DITCH-IN-20220527



Tgt Ion:	56	Resp:	6714
Ion	Ratio	Lower	Upper
56	100		
69	177.3	25.6	38.4#
84	130.8	66.2	99.4#



#33

1,2-Dichloroethane-d4

Concen: 49.926 ug/l

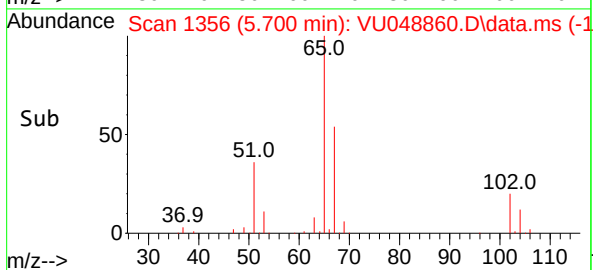
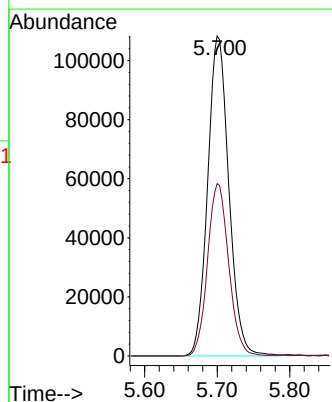
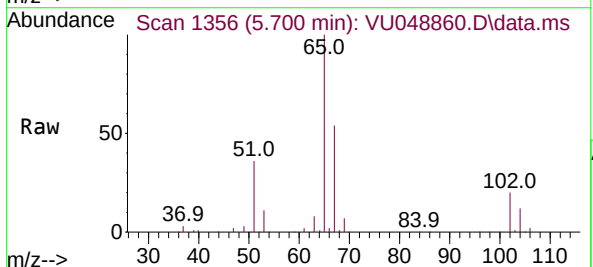
RT: 5.700 min Scan# 1356

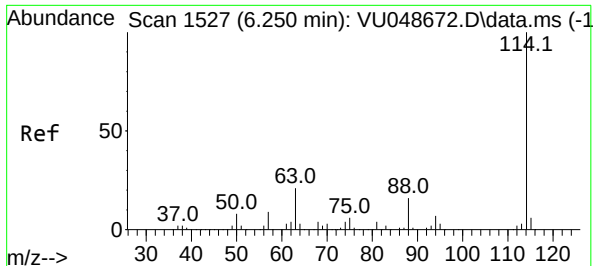
Delta R.T. -0.000 min

Lab File: VU048860.D

Acq: 03 Jun 2022 16:16

Tgt Ion:	65	Resp:	220011
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# 1

Delta R.T. -0.000 min

Lab File: VU048860.D

Acq: 03 Jun 2022 16:16

Instrument :

MSVOA_U

ClientSampleId :

WEST-DITCH-IN-20220527

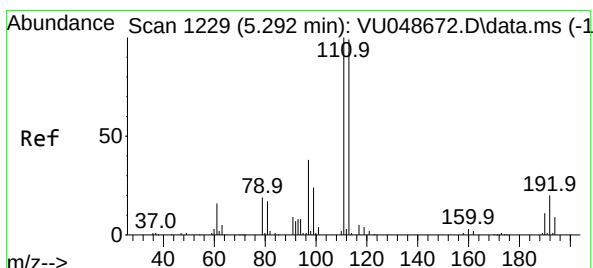
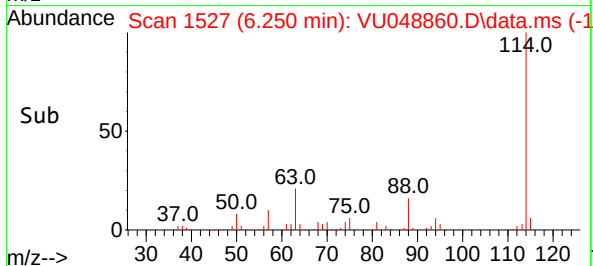
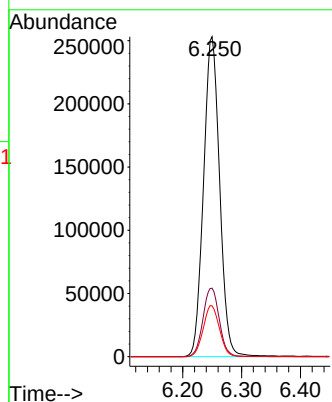
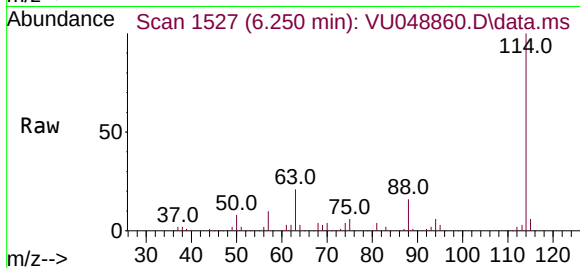
Tgt Ion:114 Resp: 481160

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.324 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048860.D

Acq: 03 Jun 2022 16:16

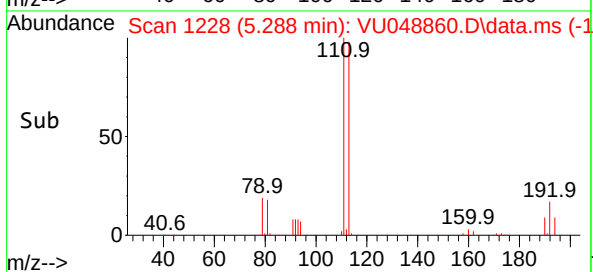
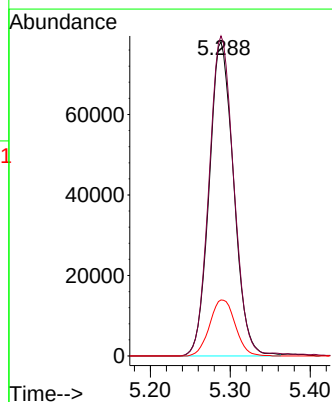
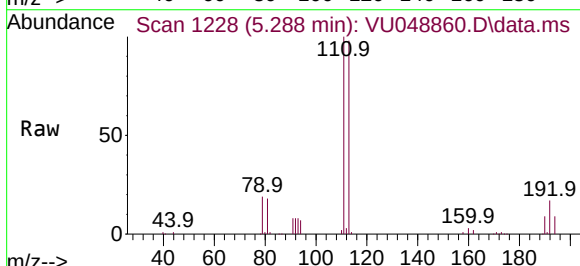
Tgt Ion:113 Resp: 165883

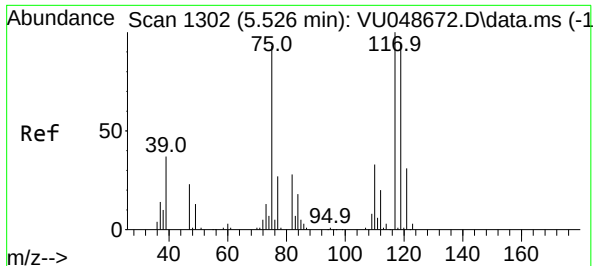
Ion Ratio Lower Upper

113 100

111 102.5 80.7 121.1

192 18.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.920 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.151 min

Lab File: VU048860.D

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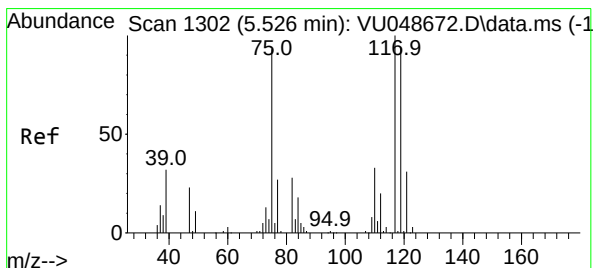
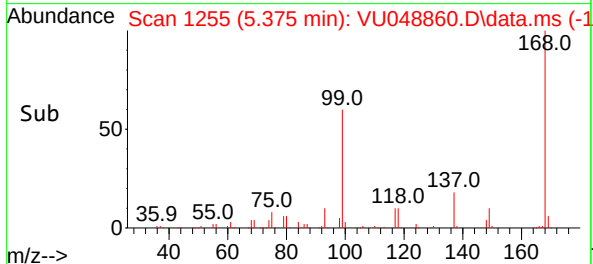
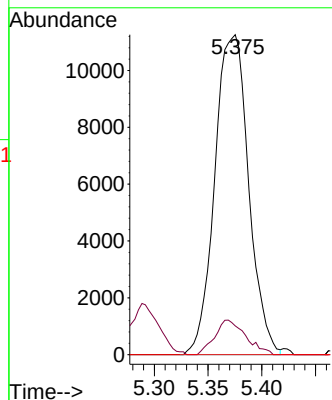
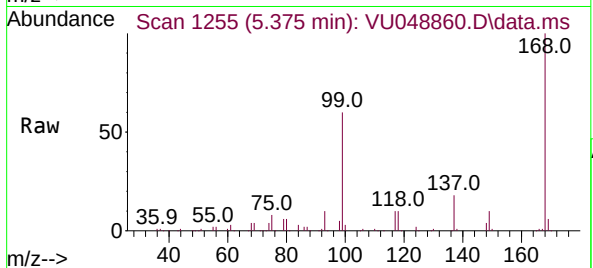
Tgt Ion: 75 Resp: 24650

Ion Ratio Lower Upper

75 100

110 9.9 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.141 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048860.D

Acq: 03 Jun 2022 16:16

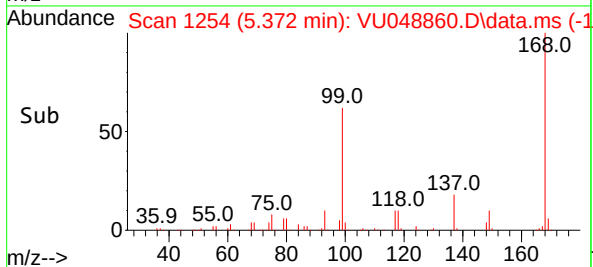
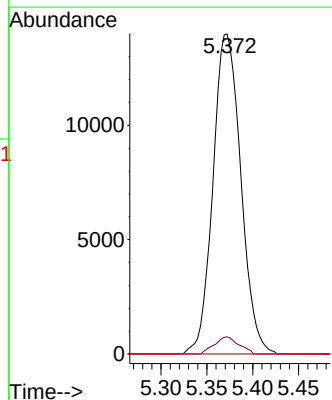
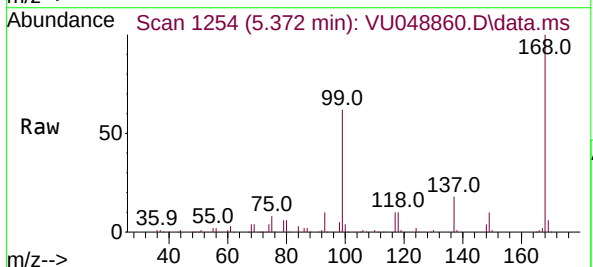
Tgt Ion: 117 Resp: 29549

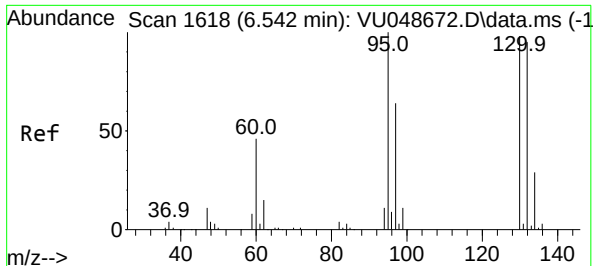
Ion Ratio Lower Upper

117 100

119 5.4 75.4 113.2#

121 0.0 24.6 36.8#

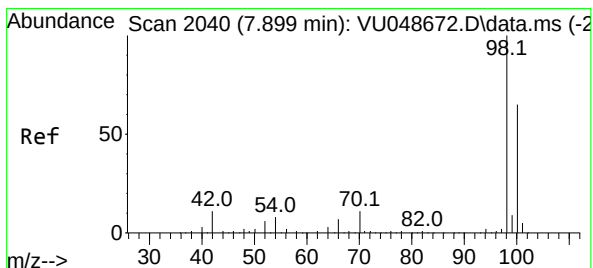
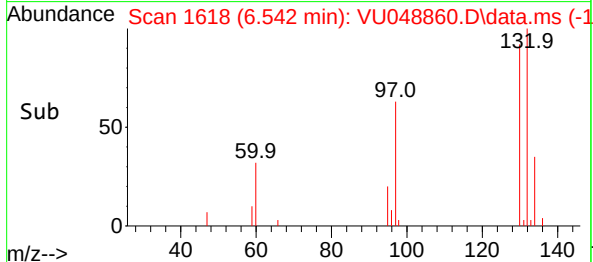
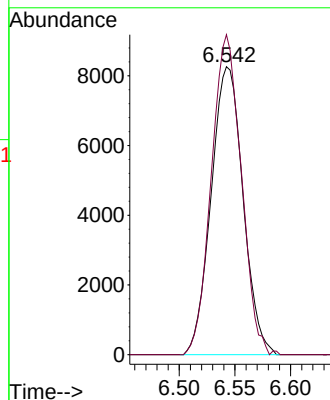
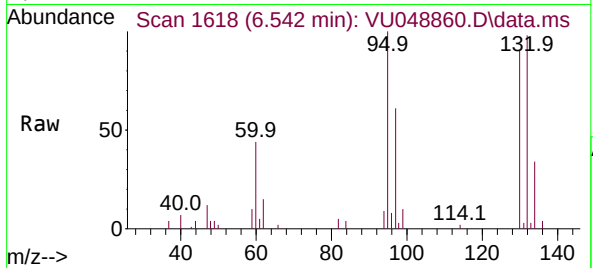




#44
Trichloroethene
Concen: 4.320 ug/l
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

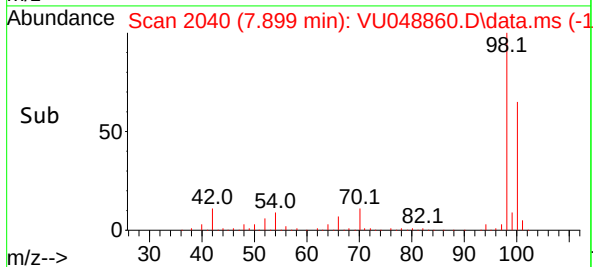
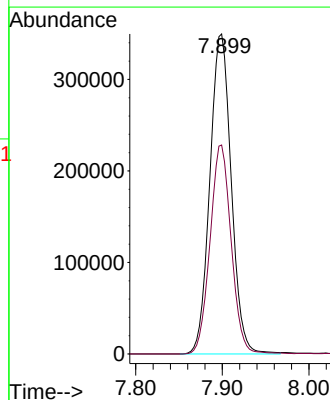
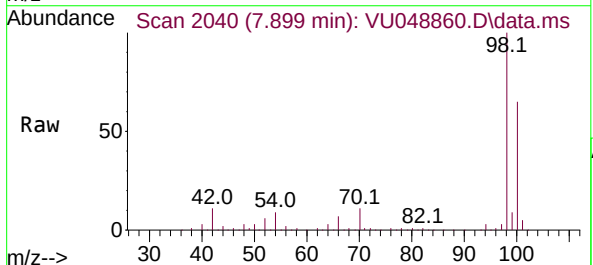
Instrument :
MSVOA_U
ClientSampleId :
WEST-DITCH-IN-20220527

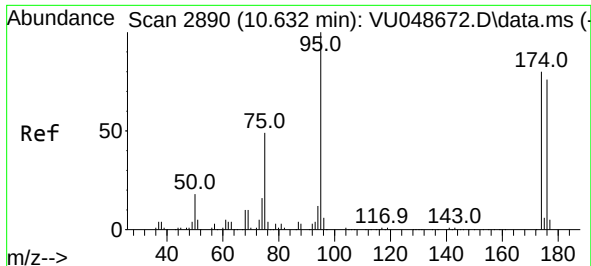
Tgt Ion:130 Resp: 16461
Ion Ratio Lower Upper
130 100
95 111.1 0.0 204.8



#50
Toluene-d8
Concen: 48.739 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

Tgt Ion: 98 Resp: 599731
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 43.226 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU048860.D

Acq: 03 Jun 2022 16:16

Instrument :

MSVOA_U

ClientSampleId :

WEST-DITCH-IN-20220527

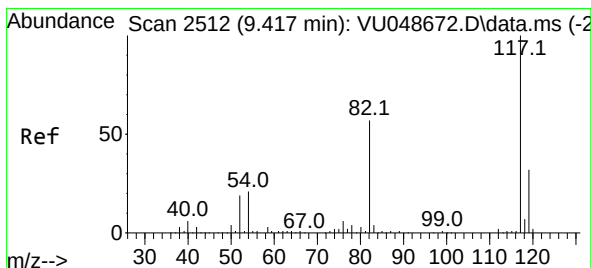
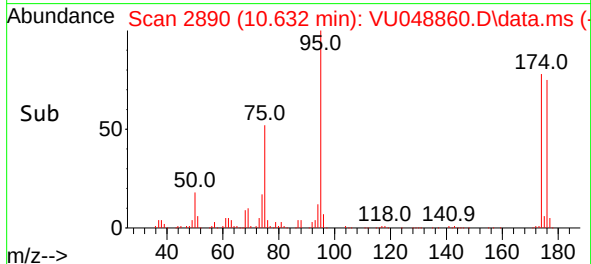
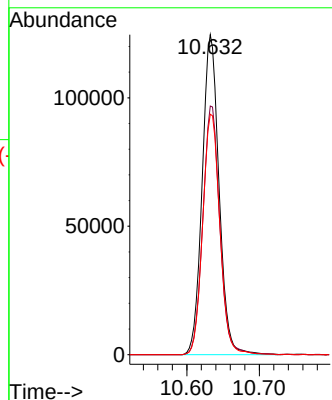
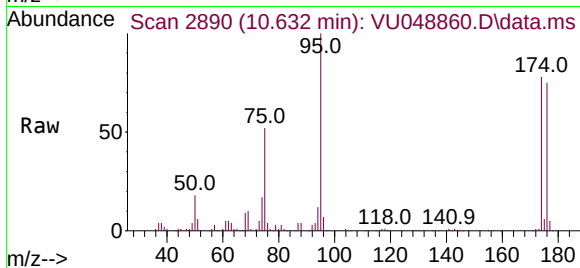
Tgt Ion: 95 Resp: 201159

Ion Ratio Lower Upper

95 100

174 78.0 0.0 159.4

176 76.7 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: VU048860.D

Acq: 03 Jun 2022 16:16

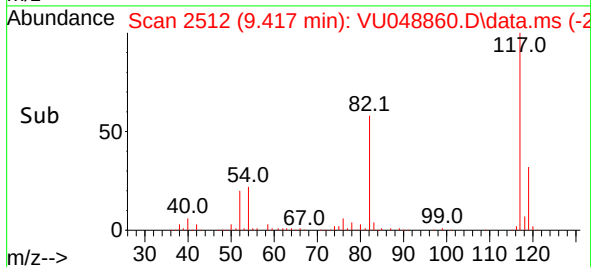
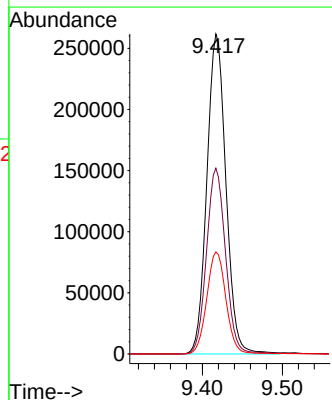
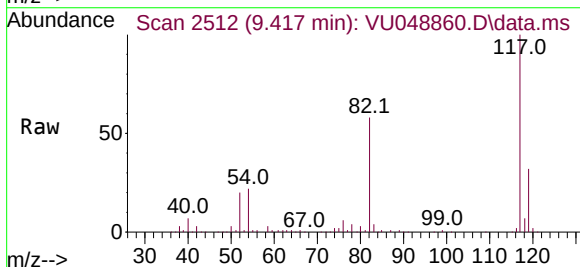
Tgt Ion: 117 Resp: 433846

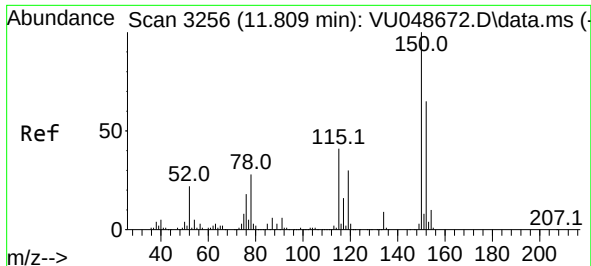
Ion Ratio Lower Upper

117 100

82 58.0 45.3 67.9

119 31.9 25.4 38.2

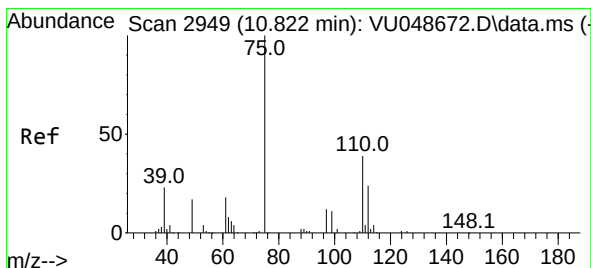
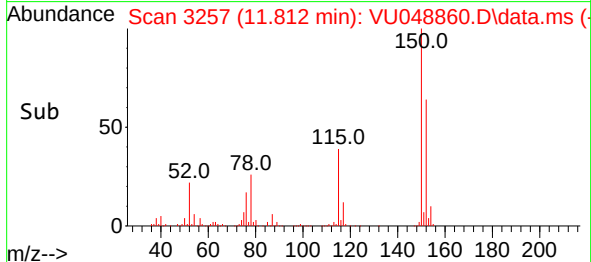
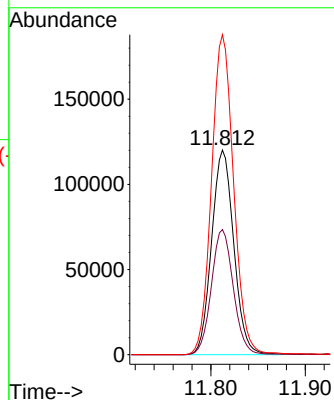
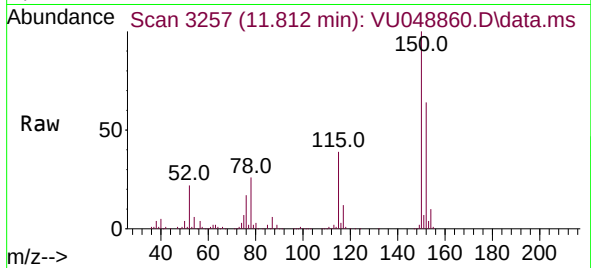




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

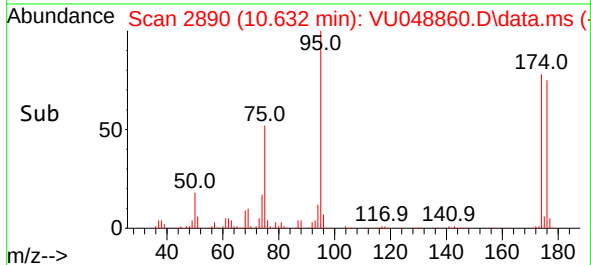
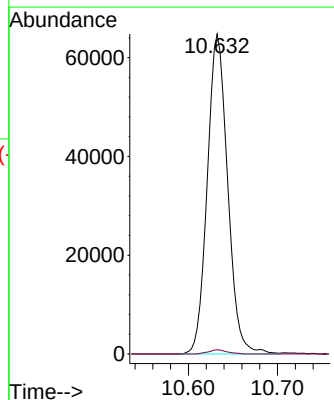
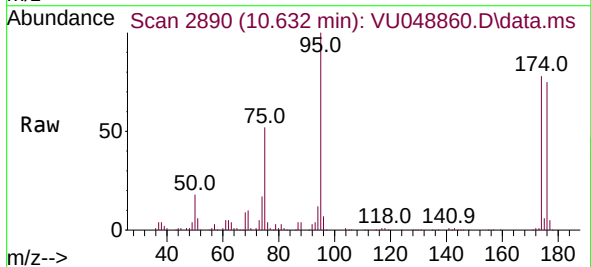
Instrument :
MSVOA_U
ClientSampleId :
WEST-DITCH-IN-20220527

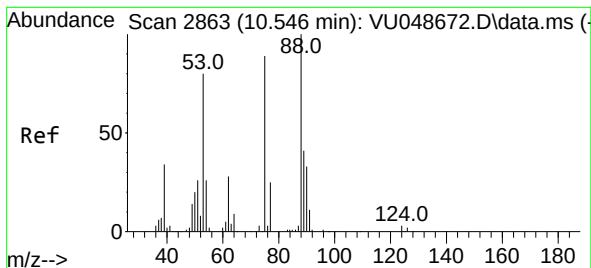
Tgt Ion:152 Resp: 195695
Ion Ratio Lower Upper
152 100
115 60.4 41.8 125.4
150 156.0 0.0 341.0



#76
1,2,3-Trichloropropane
Concen: 16.282 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048860.D
Acq: 03 Jun 2022 16:16

Tgt Ion: 75 Resp: 102734
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 59.118 ug/l

RT: 10.632 min Scan# 21

Delta R.T. 0.087 min

Lab File: VU048860.D

Acq: 03 Jun 2022 16:16

Instrument :

MSVOA_U

ClientSampleId :

WEST-DITCH-IN-20220527

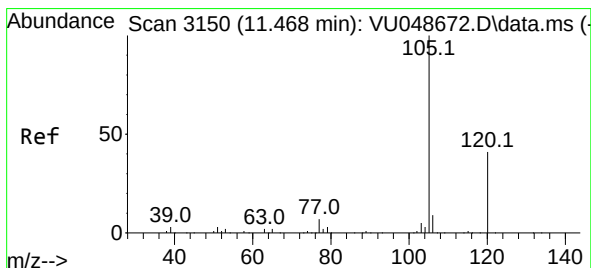
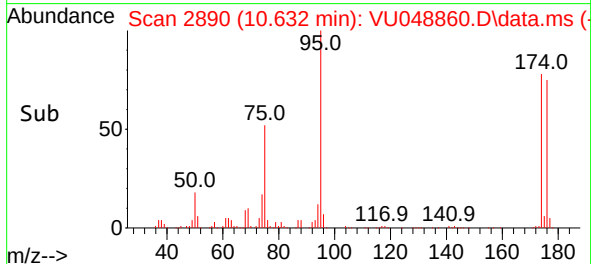
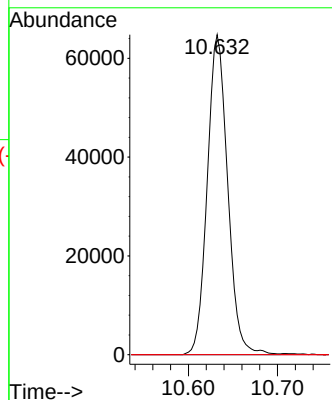
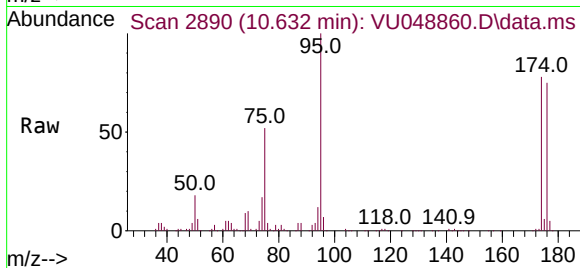
Tgt Ion: 75 Resp: 102734

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#



#84

1,2,4-Trimethylbenzene

Concen: 1.196 ug/l

RT: 11.478 min Scan# 3153

Delta R.T. 0.010 min

Lab File: VU048860.D

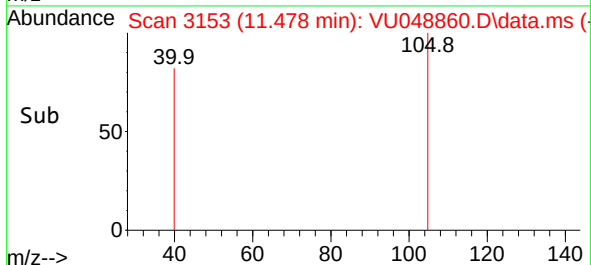
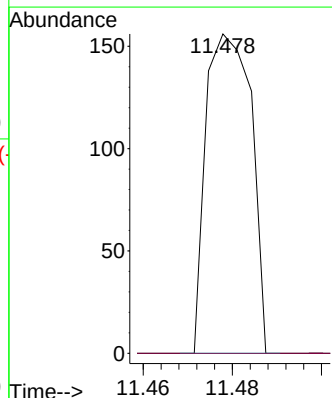
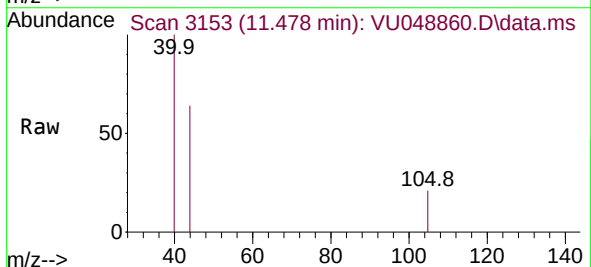
Acq: 03 Jun 2022 16:16

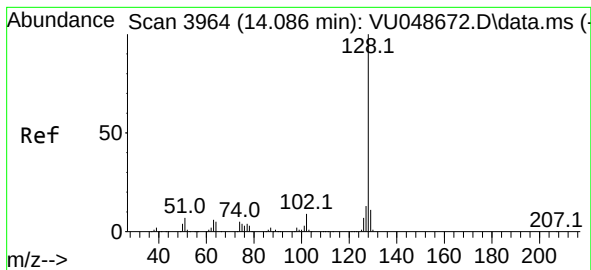
Tgt Ion: 105 Resp: 110

Ion Ratio Lower Upper

105 100

120 0.0 22.5 67.5#





#95

Naphthalene

Concen: 2.575 ug/l

RT: 14.102 min Scan# 3969

Delta R.T. 0.016 min

Lab File: VU048860.D

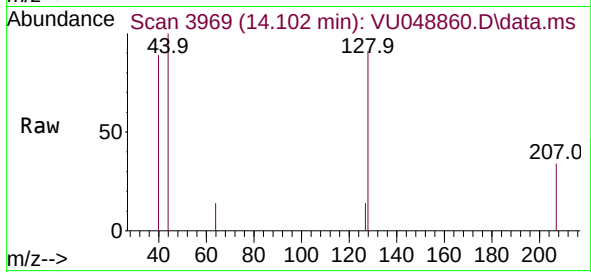
Acq: 03 Jun 2022 16:16

Instrument :

MSVOA_U

ClientSampleId :

WEST-DITCH-IN-20220527



Tgt Ion:128 Resp: 687

Ion Ratio Lower Upper

128 100

127 2.8 10.2 15.4#

129 0.0 8.7 13.1#

