

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048922.D
 Acq On : 07 Jun 2022 20:09
 Operator : SY/MD
 Sample : N3166-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 55BR-20220601

Quant Time: Jun 08 04:56:41 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	248989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	395513	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	365731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	164236	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	182510	48.808	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.620%
35) Dibromofluoromethane	5.288	113	141734	50.230	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.460%
50) Toluene-d8	7.899	98	483820	47.833	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.660%
62) 4-Bromofluorobenzene	10.632	95	172421	45.074	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.140%

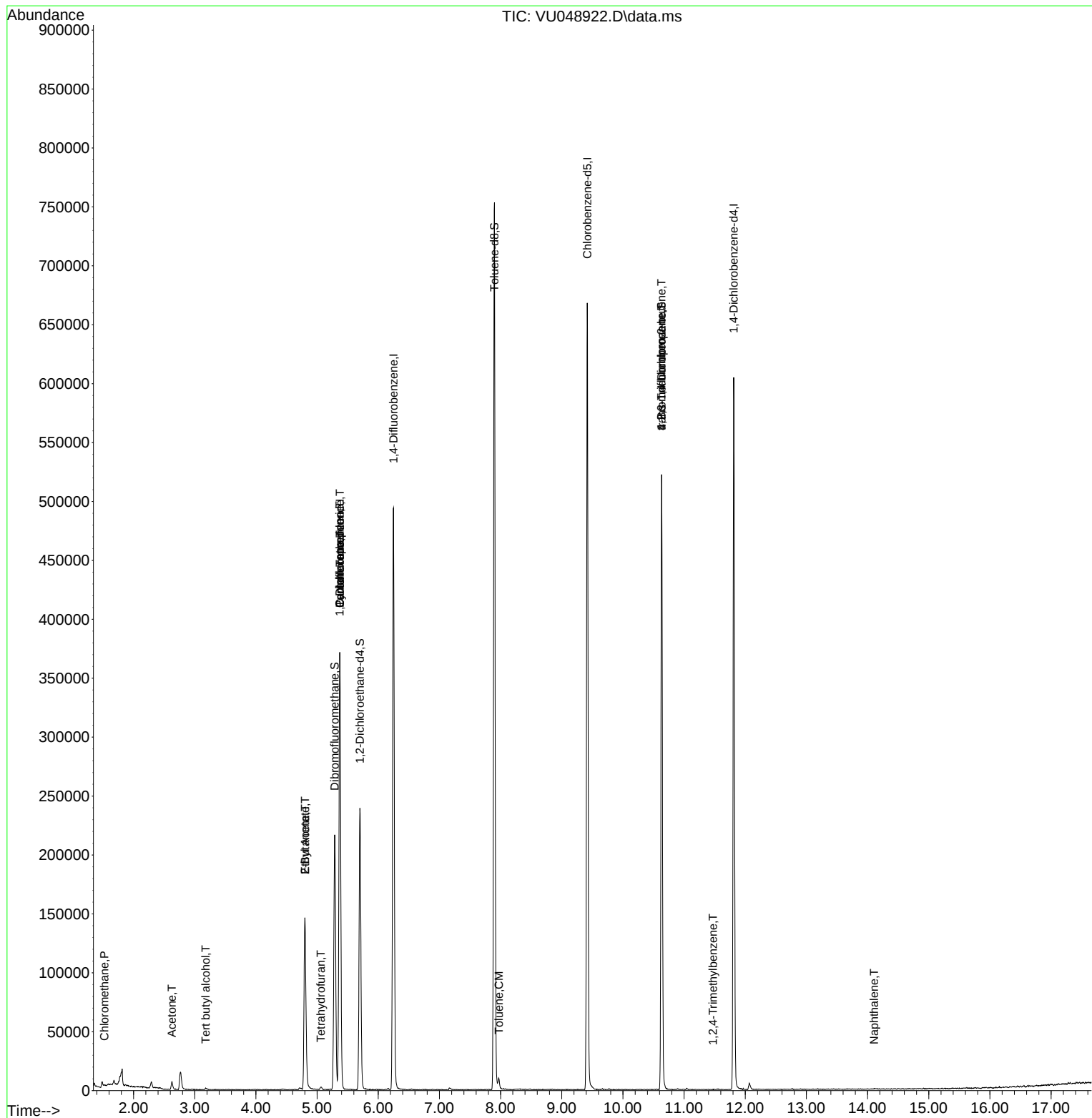
Target Compounds			Qvalue			
3) Chloromethane	1.523	50	1025	0.279	ug/l	98
5) Bromomethane	1.832	94	80	Below Cal	#	3
6) Chloroethane	1.925	64	255	Below Cal	#	43
11) Tert butyl alcohol	3.179	59	736	0.776	ug/l	# 28
13) Acrolein	2.205	56	43	Below Cal	#	14
16) Acetone	2.626	43	7160	3.757	ug/l	# 87
25) 2-Butanone	4.803	43	191442	69.929	ug/l	# 49
29) Tetrahydrofuran	5.063	42	1030	0.597	ug/l	# 82
31) Cyclohexane	5.372	56	5185	1.100	ug/l	# 1
36) 1,1-Dichloropropene	5.369	75	20413	4.957	ug/l	# 50
37) Ethyl Acetate	4.803	43	191442	36.772	ug/l	98
38) Carbon Tetrachloride	5.372	117	26325	5.572	ug/l	# 18
52) Toluene	7.973	92	3320	0.457	ug/l	87
76) 1,2,3-Trichloropropane	10.632	75	91030	17.190	ug/l	# 47
81) trans-1,4-Dichloro-2-b...	10.632	75	91030	62.416	ug/l	# 13
84) 1,2,4-Trimethylbenzene	11.471	105	54	1.192	ug/l	# 31
95) Naphthalene	14.108	128	487	2.568	ug/l	# 69

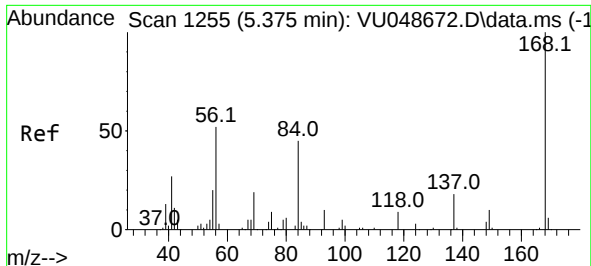
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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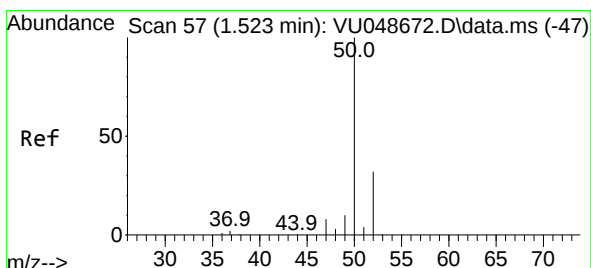
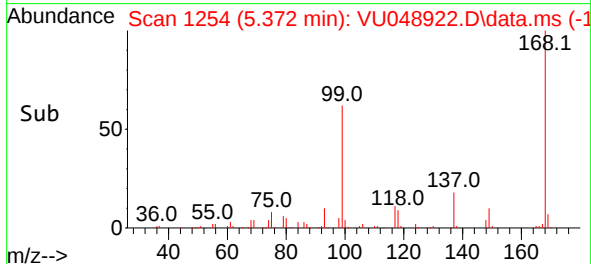
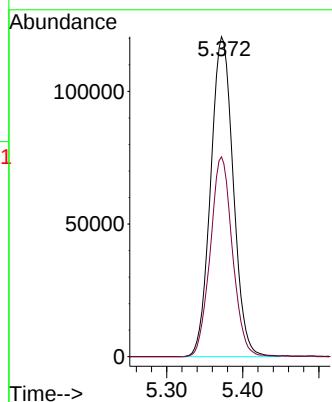
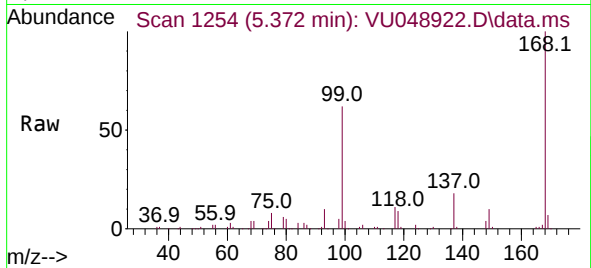




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

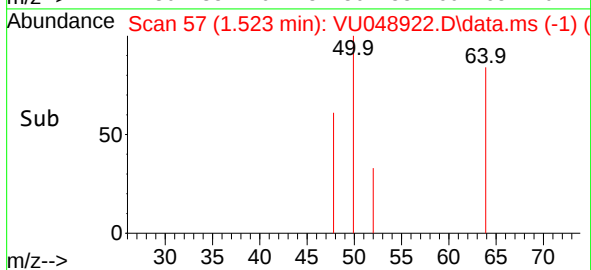
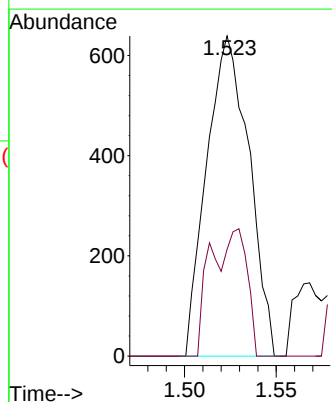
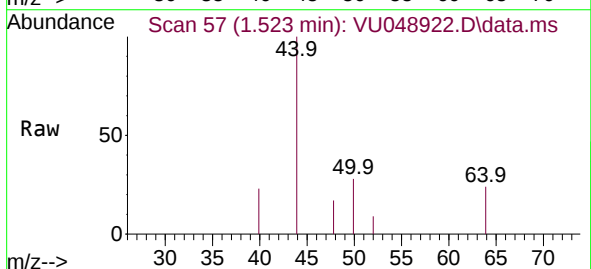
Instrument :
MSVOA_U
ClientSampleId :
55BR-20220601

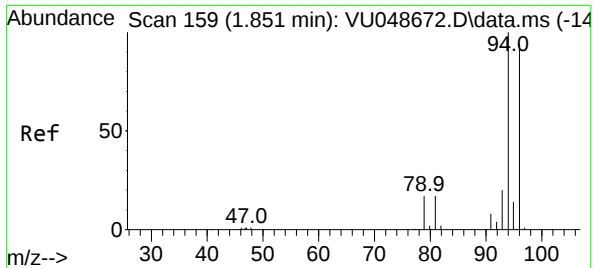
Tgt Ion:168 Resp: 248989
Ion Ratio Lower Upper
168 100
99 62.4 49.3 73.9



#3
Chloromethane
Concen: 0.279 ug/l
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

Tgt Ion: 50 Resp: 1025
Ion Ratio Lower Upper
50 100
52 33.3 25.7 38.5

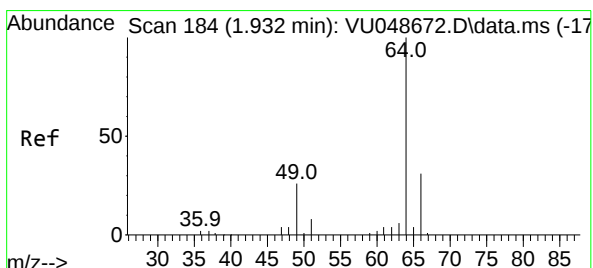
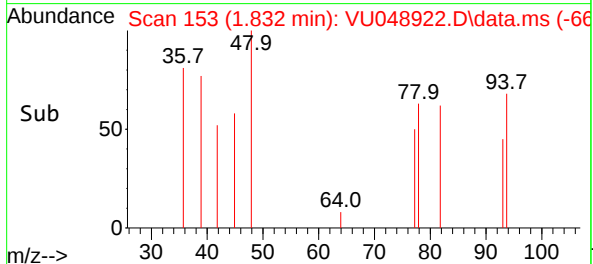
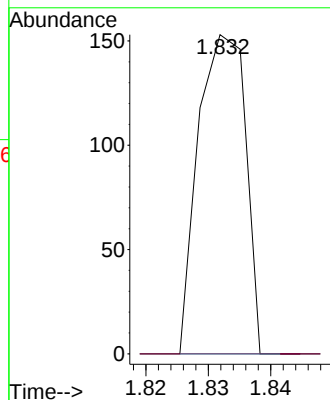
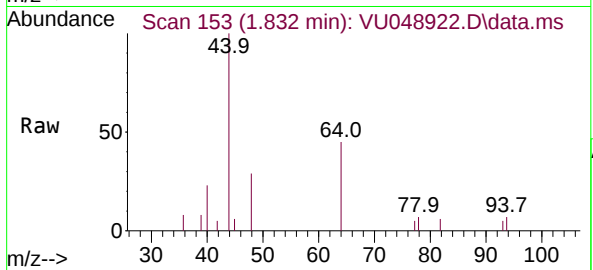




#5
Bromomethane
Concen: Below Cal
RT: 1.832 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

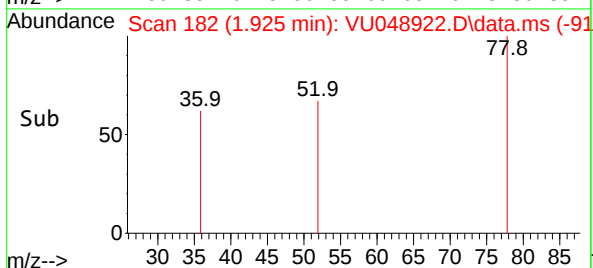
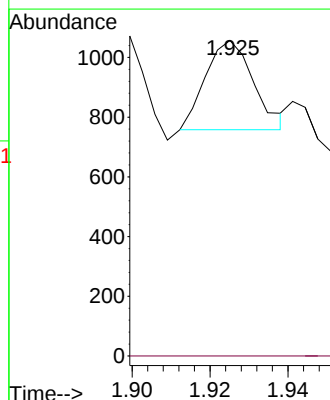
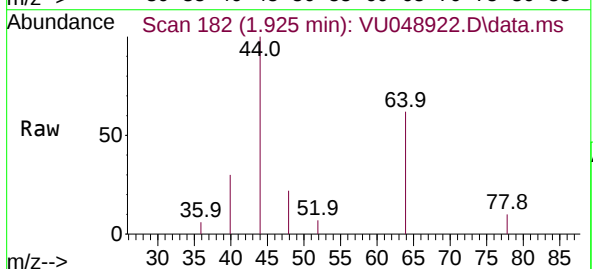
Instrument :
MSVOA_U
ClientSampleId :
55BR-20220601

Tgt Ion: 94 Resp: 80
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. -0.007 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

Tgt Ion: 64 Resp: 255
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

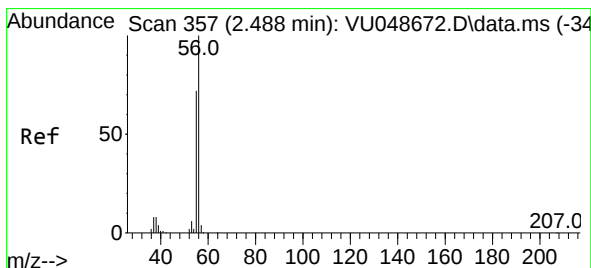
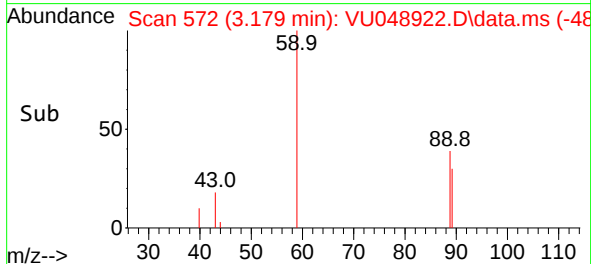
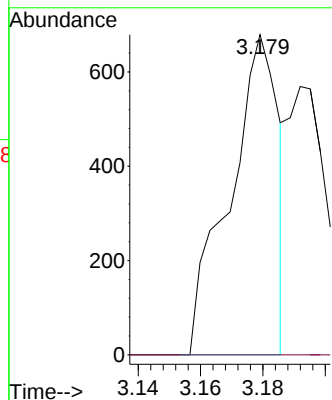
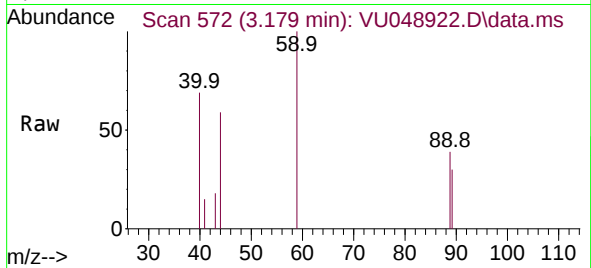




#11
Tert butyl alcohol
Concen: 0.776 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.010 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

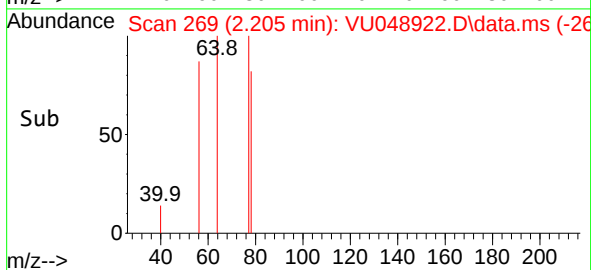
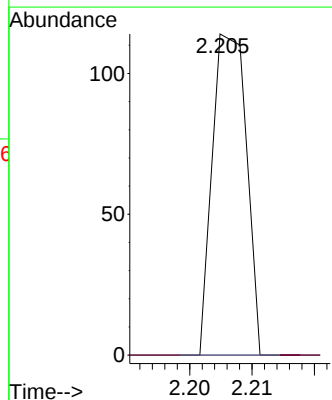
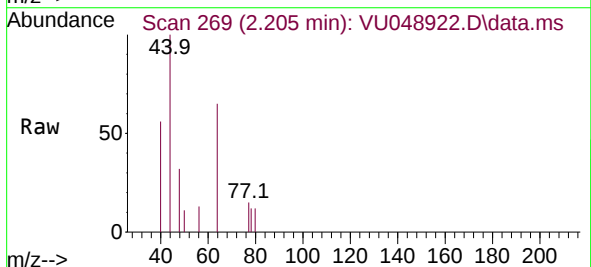
Instrument :
MSVOA_U
ClientSampleId :
55BR-20220601

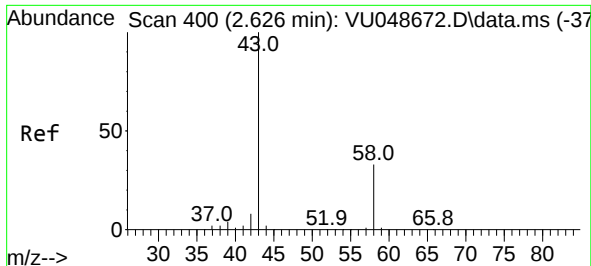
Tgt Ion: 59 Resp: 736
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.205 min Scan# 269
Delta R.T. -0.283 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#

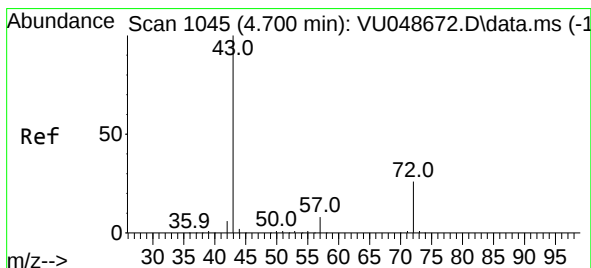
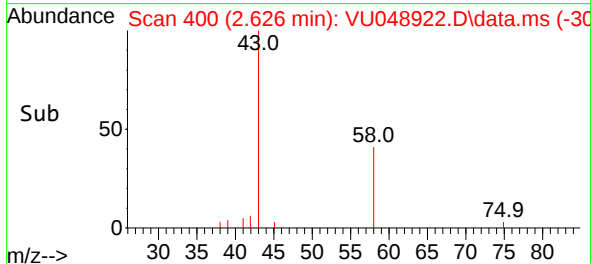
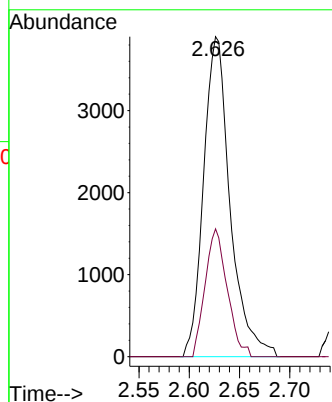
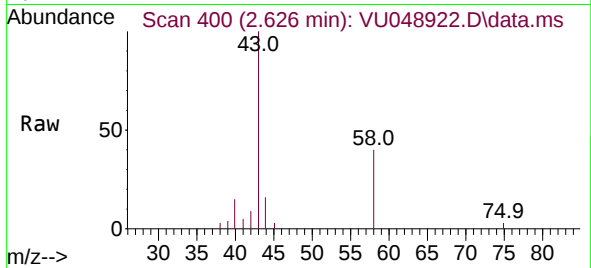




#16
Acetone
Concen: 3.757 ug/l
RT: 2.626 min Scan# 40
Delta R.T. -0.000 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

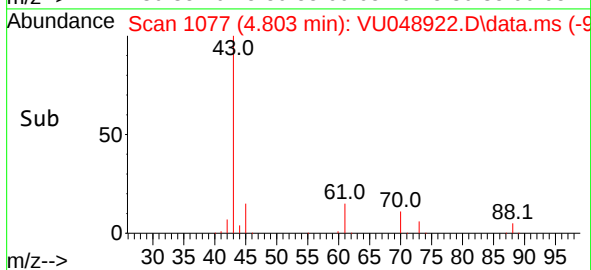
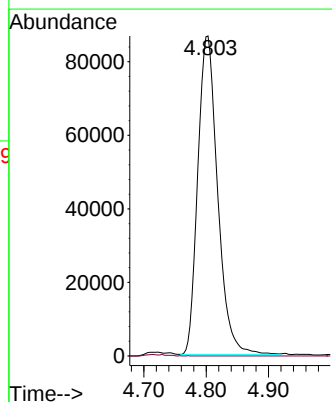
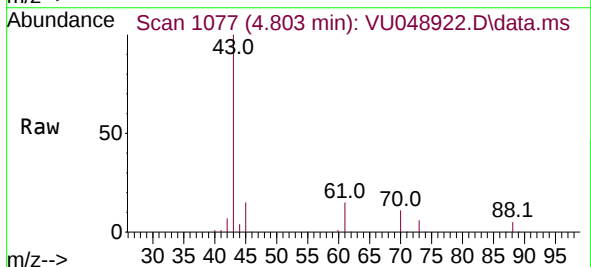
Instrument :
MSVOA_U
ClientSampleId :
55BR-20220601

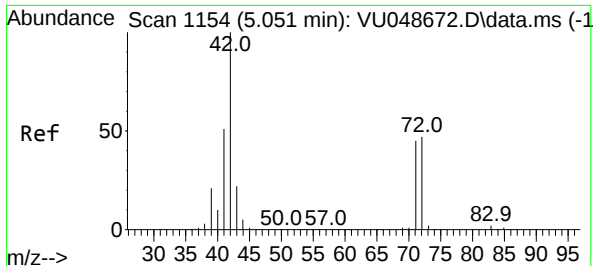
Tgt Ion: 43 Resp: 7160
Ion Ratio Lower Upper
43 100
58 40.0 26.3 39.5#



#25
2-Butanone
Concen: 69.929 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.103 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

Tgt Ion: 43 Resp: 191442
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#

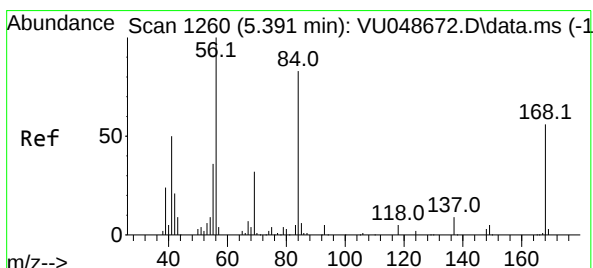
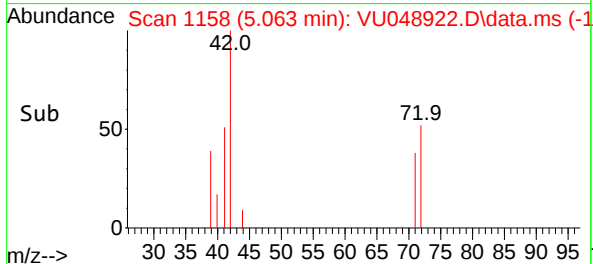
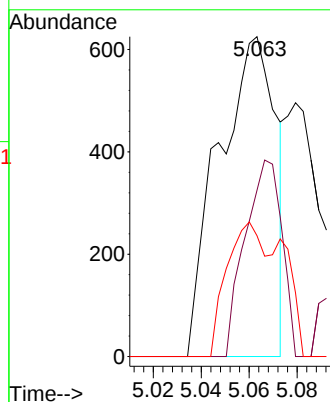
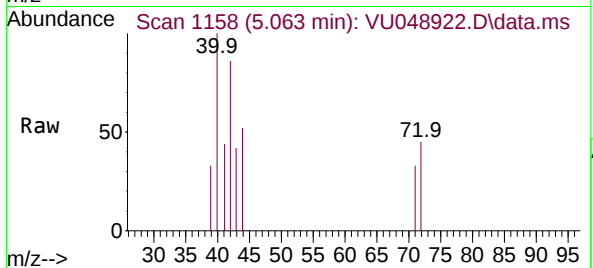




#29
Tetrahydrofuran
Concen: 0.597 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.013 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

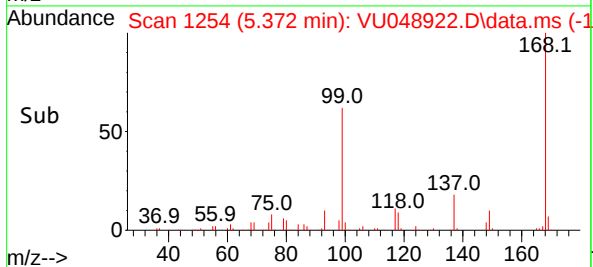
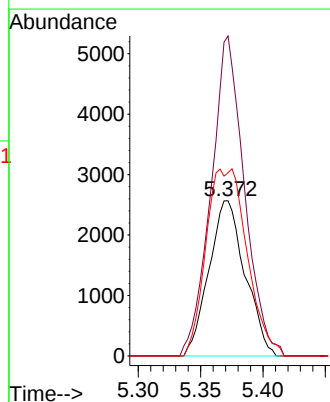
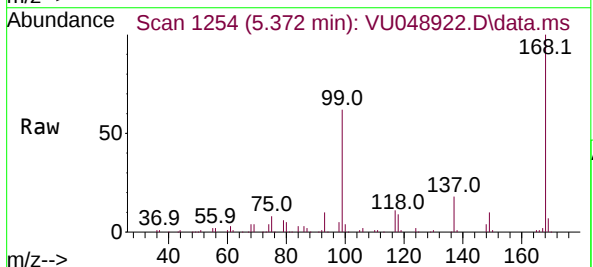
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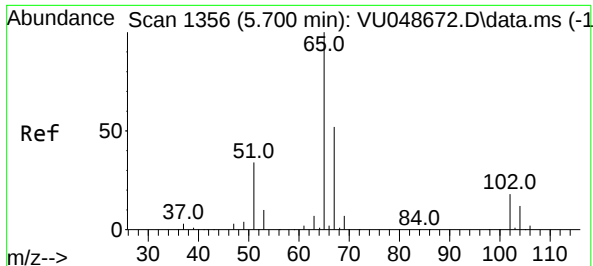
Tgt Ion: 42 Resp: 1030
Ion Ratio Lower Upper
42 100
72 39.7 37.6 56.4
71 27.0 35.0 52.4#



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

Tgt Ion: 56 Resp: 5185
Ion Ratio Lower Upper
56 100
69 206.2 25.6 38.4#
84 118.0 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 48.808 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048922.D

Acq: 07 Jun 2022 20:09

Instrument :

MSVOA_U

ClientSampleId :

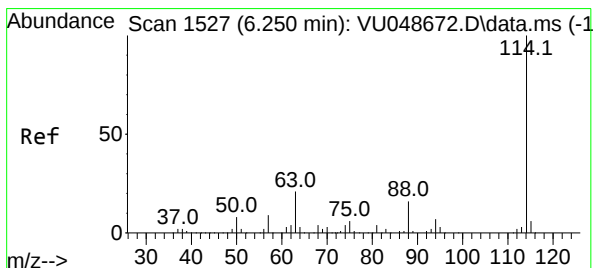
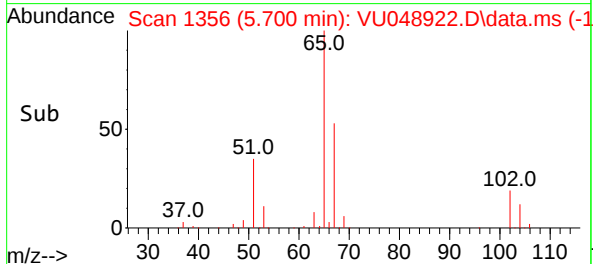
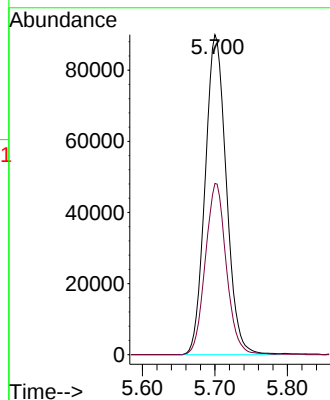
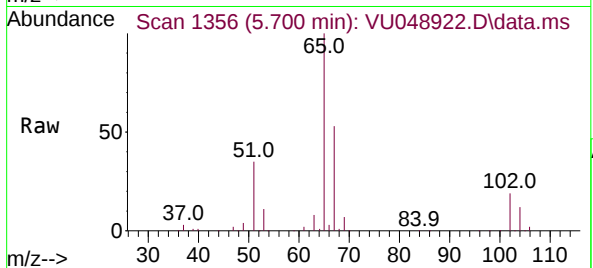
55BR-20220601

Tgt Ion: 65 Resp: 182510

Ion Ratio Lower Upper

65 100

67 53.0 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: VU048922.D

Acq: 07 Jun 2022 20:09

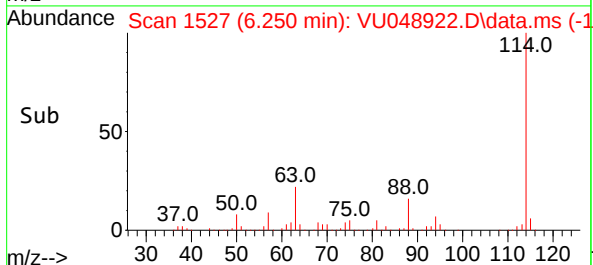
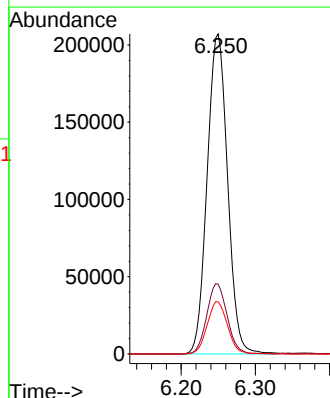
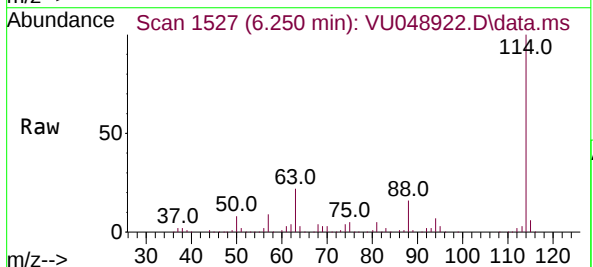
Tgt Ion: 114 Resp: 395513

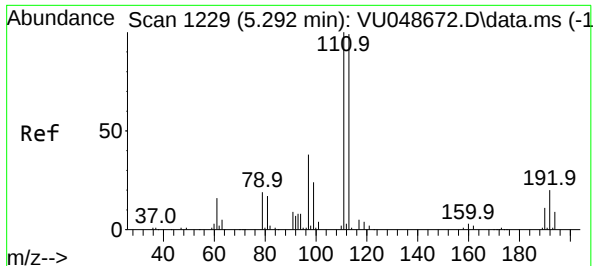
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.230 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048922.D

Acq: 07 Jun 2022 20:09

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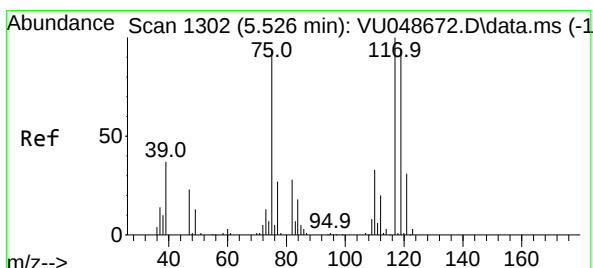
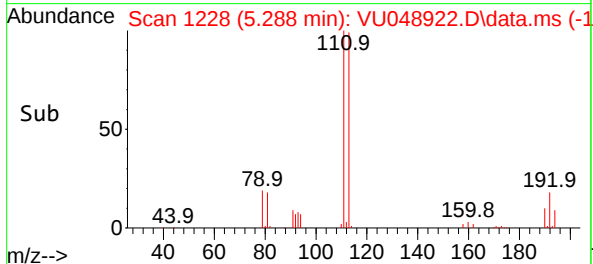
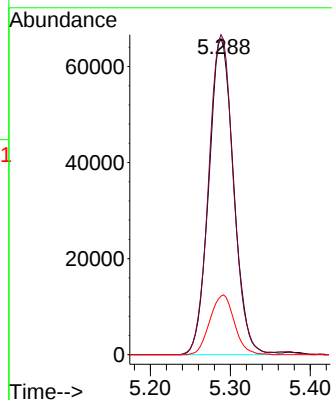
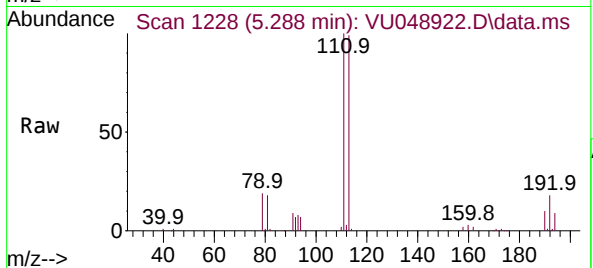
Tgt Ion:113 Resp: 141734

Ion Ratio Lower Upper

113 100

111 101.2 80.7 121.1

192 18.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.957 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.158 min

Lab File: VU048922.D

Acq: 07 Jun 2022 20:09

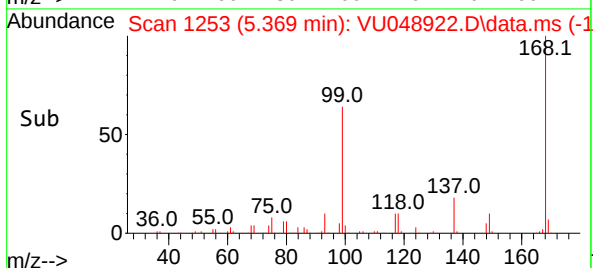
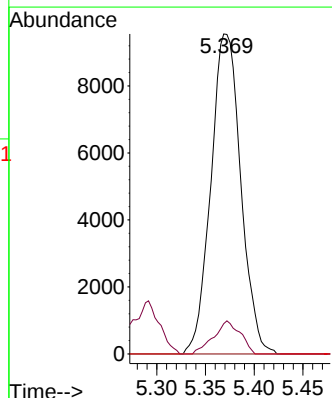
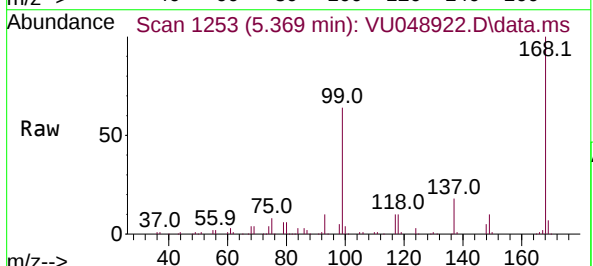
Tgt Ion: 75 Resp: 20413

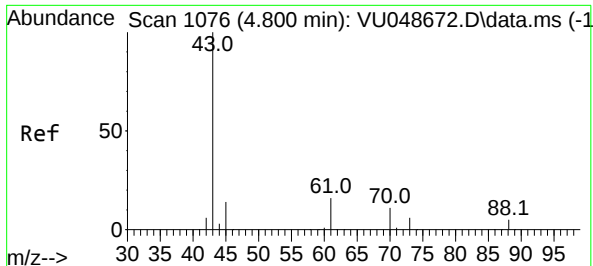
Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 36.772 ug/l

RT: 4.803 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048922.D

Acq: 07 Jun 2022 20:09

Instrument :

MSVOA_U

ClientSampleId :

55BR-20220601

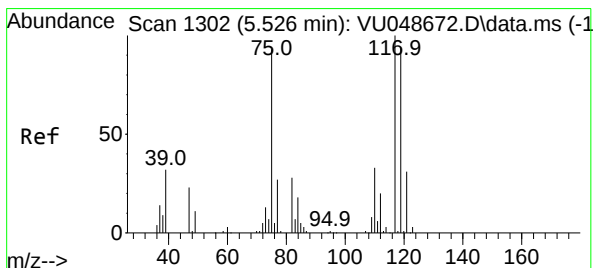
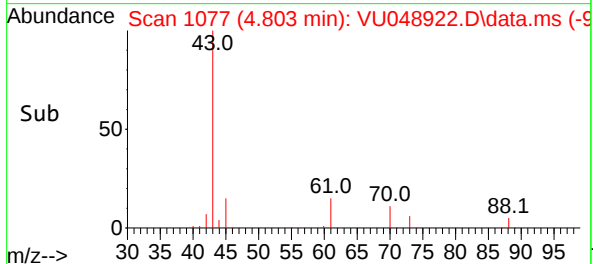
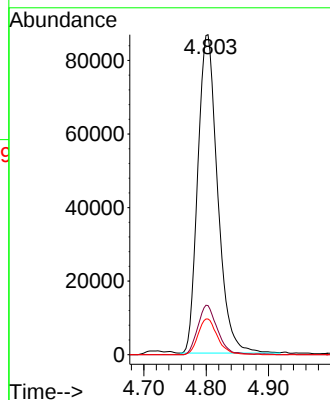
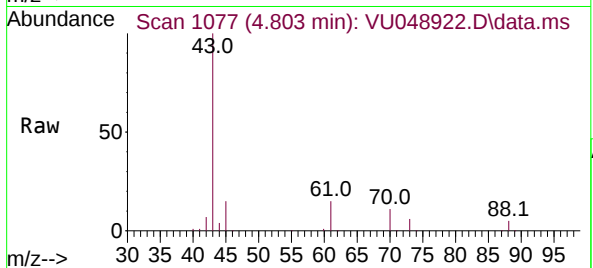
Tgt Ion: 43 Resp: 191442

Ion Ratio Lower Upper

43 100

61 15.3 11.7 17.5

70 10.9 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.572 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048922.D

Acq: 07 Jun 2022 20:09

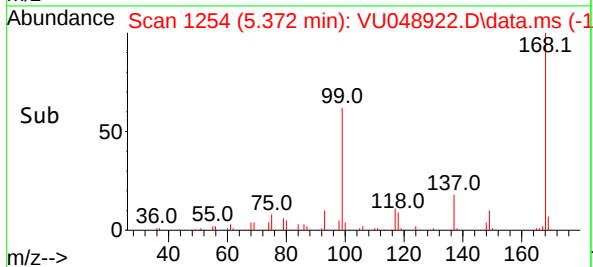
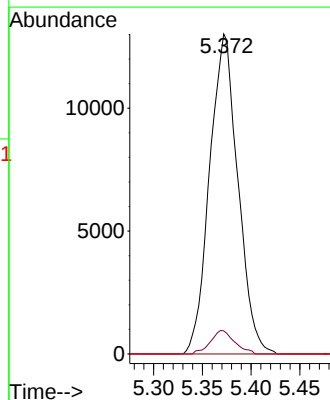
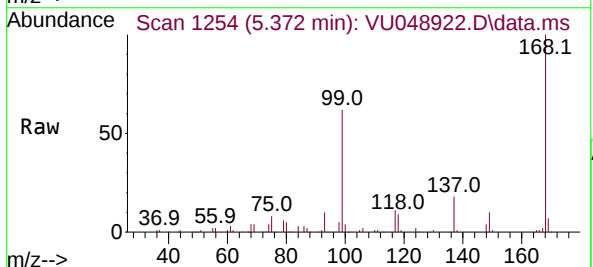
Tgt Ion: 117 Resp: 26325

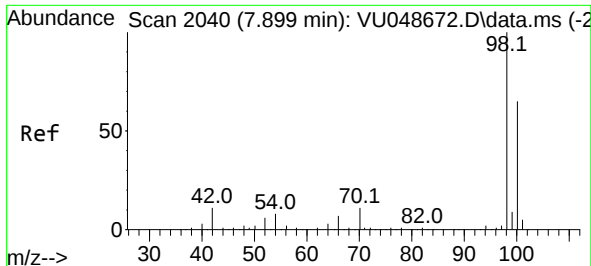
Ion Ratio Lower Upper

117 100

119 7.2 75.4 113.2#

121 0.0 24.6 36.8#

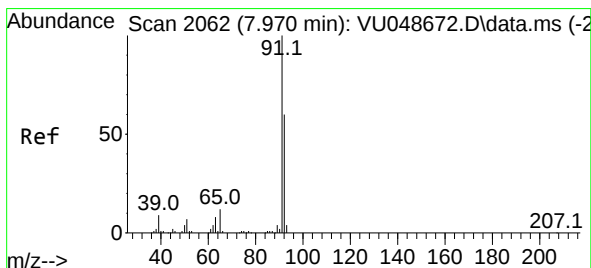
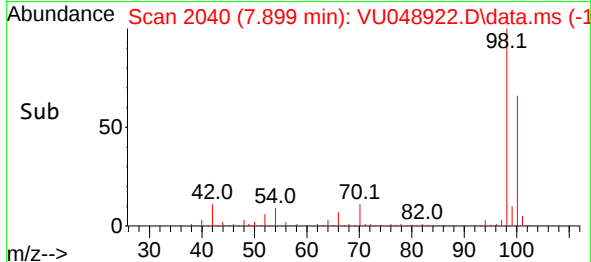
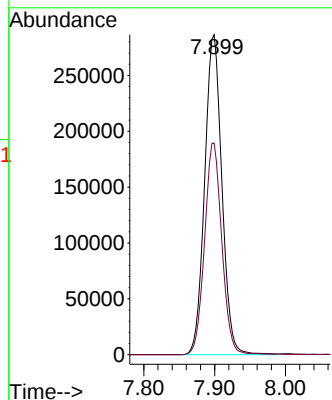
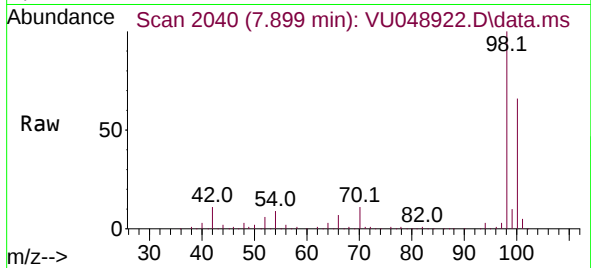




#50
Toluene-d8
Concen: 47.833 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

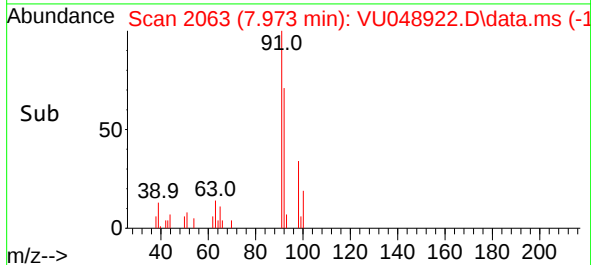
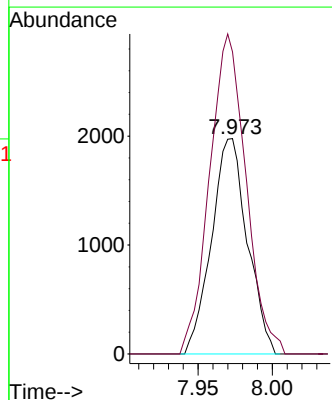
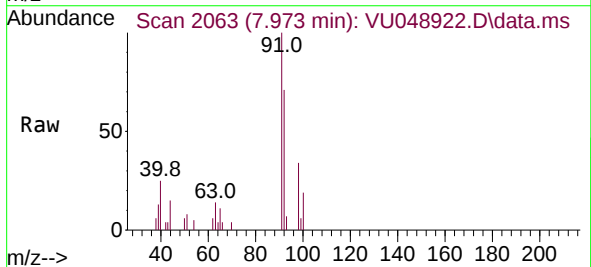
Instrument :
MSVOA_U
ClientSampleId :
55BR-20220601

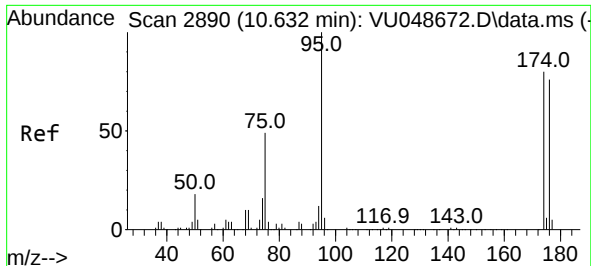
Tgt Ion: 98 Resp: 483820
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4



#52
Toluene
Concen: 0.457 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. 0.003 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

Tgt Ion: 92 Resp: 3320
Ion Ratio Lower Upper
92 100
91 150.9 135.0 202.4

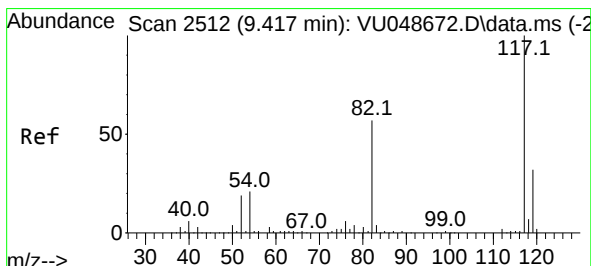
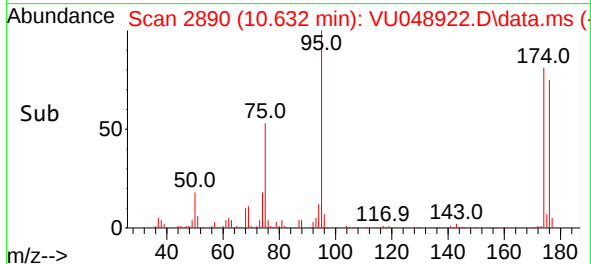
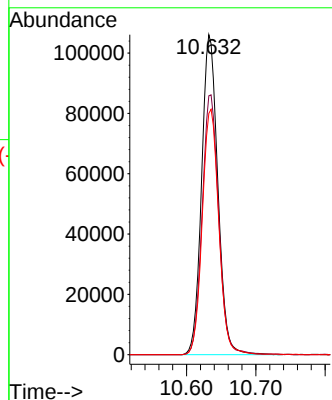
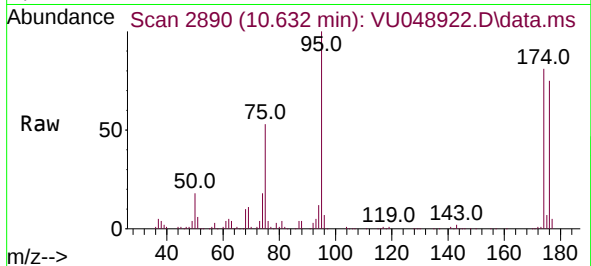




#62
4-Bromofluorobenzene
Concen: 45.074 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

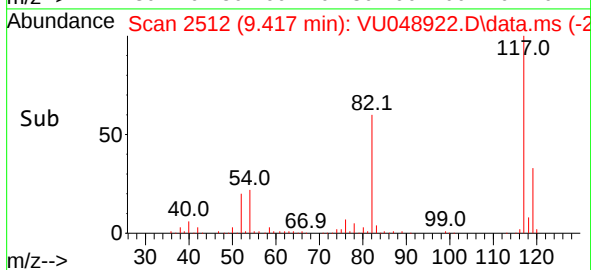
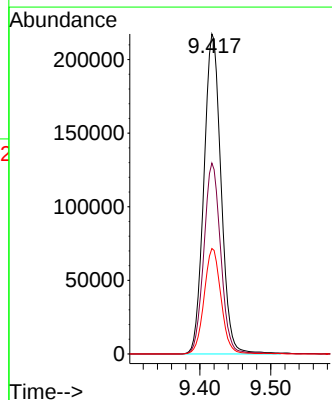
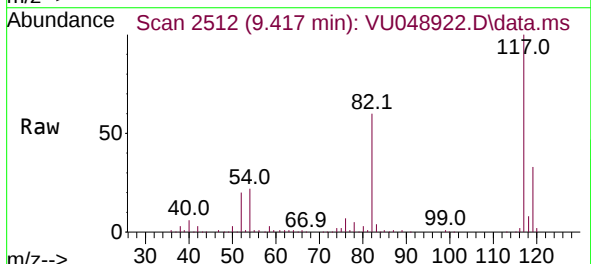
Instrument :
MSVOA_U
ClientSampleId :
55BR-20220601

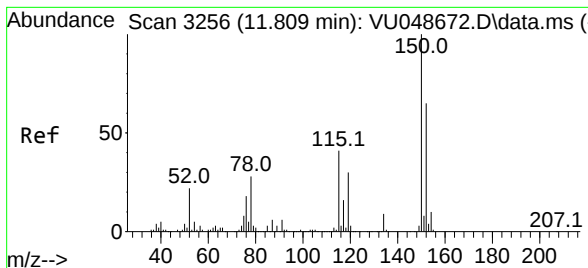
Tgt Ion: 95 Resp: 172421
Ion Ratio Lower Upper
95 100
174 82.5 0.0 159.4
176 78.2 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048922.D
Acq: 07 Jun 2022 20:09

Tgt Ion: 117 Resp: 365731
Ion Ratio Lower Upper
117 100
82 59.6 45.3 67.9
119 33.0 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: VU048922.D

Acq: 07 Jun 2022 20:09

Instrument :

MSVOA_U

ClientSampleId :

55BR-20220601

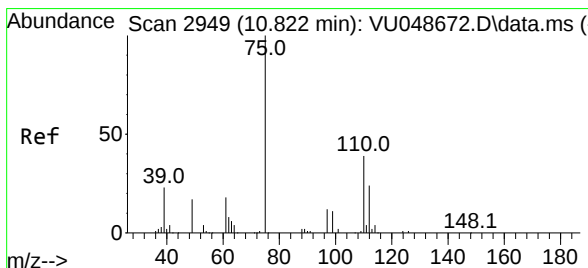
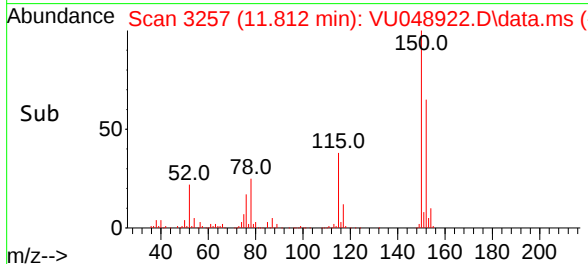
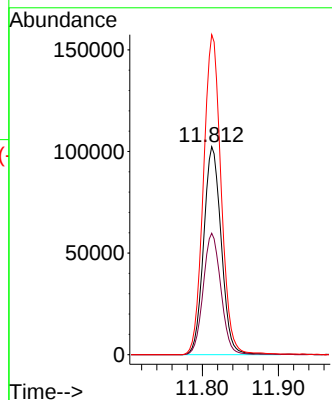
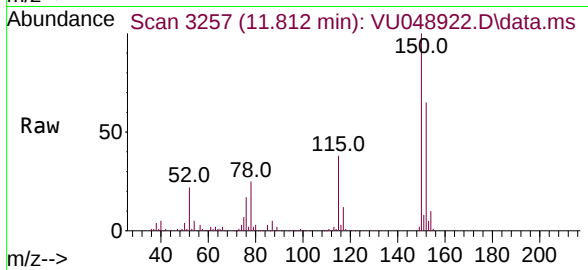
Tgt Ion:152 Resp: 164236

Ion Ratio Lower Upper

152 100

115 58.5 41.8 125.4

150 154.8 0.0 341.0



#76

1,2,3-Trichloropropane

Concen: 17.190 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.190 min

Lab File: VU048922.D

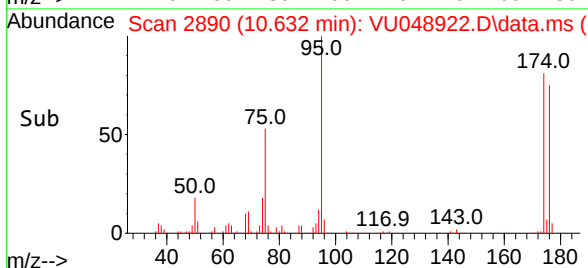
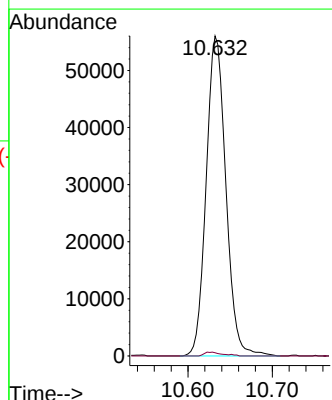
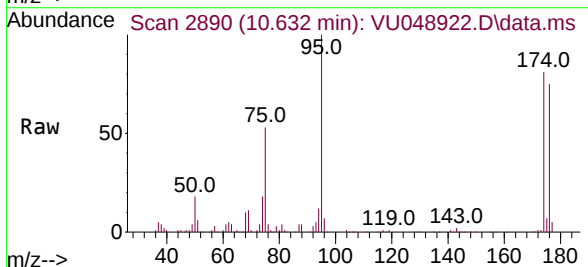
Acq: 07 Jun 2022 20:09

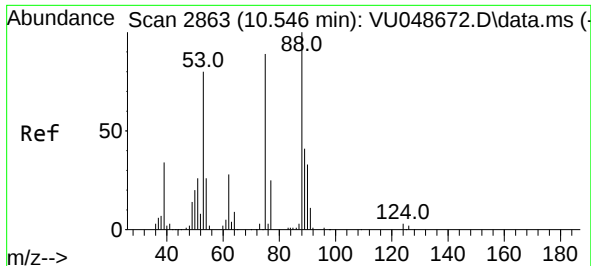
Tgt Ion: 75 Resp: 91030

Ion Ratio Lower Upper

75 100

77 1.1 14.8 44.3#

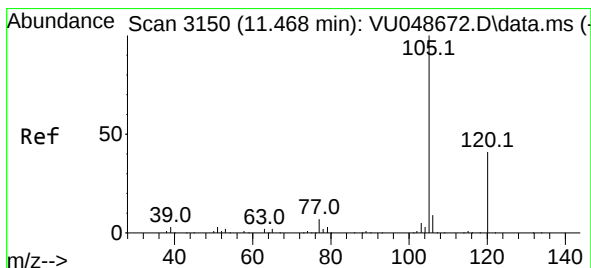
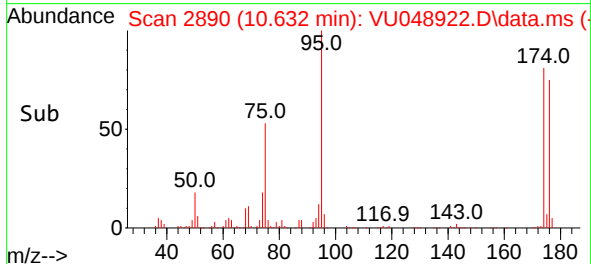
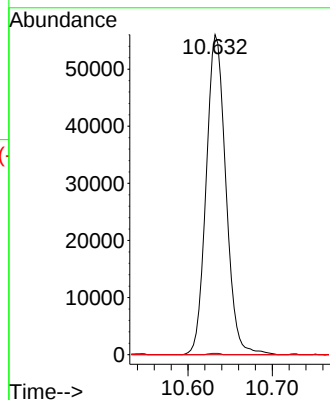
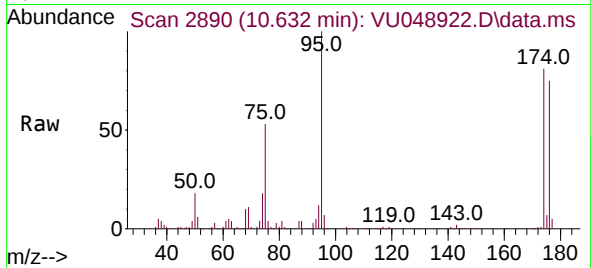




#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.416 ug/l
 RT: 10.632 min Scan# 21
 Delta R.T. 0.087 min
 Lab File: VU048922.D
 Acq: 07 Jun 2022 20:09

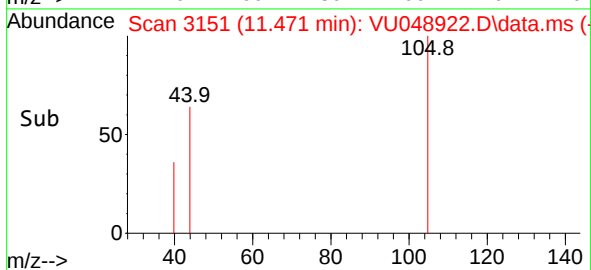
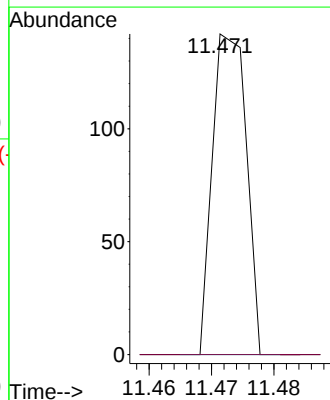
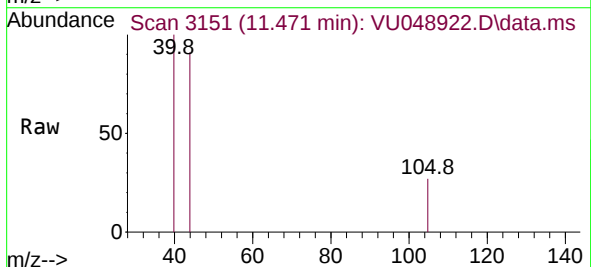
Instrument :
 MSVOA_U
 ClientSampleId :
 55BR-20220601

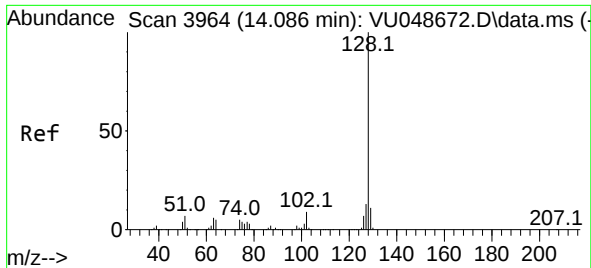
Tgt Ion: 75 Resp: 91030
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.5 108.7#
 89 0.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.192 ug/l
 RT: 11.471 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VU048922.D
 Acq: 07 Jun 2022 20:09

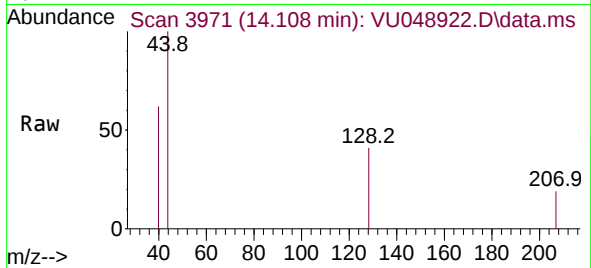
Tgt Ion: 105 Resp: 54
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.5 67.5#





#95
 Naphthalene
 Concen: 2.568 ug/l
 RT: 14.108 min Scan# 3964
 Delta R.T. 0.022 min
 Lab File: VU048922.D
 Acq: 07 Jun 2022 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 55BR-20220601



Tgt Ion:128 Resp: 487
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.7 13.1#

