

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
 Data File : VU048894.D
 Acq On : 06 Jun 2022 19:50
 Operator : SY/MD
 Sample : N3165-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 44BR-20220601

Quant Time: Jun 07 05:21:10 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)

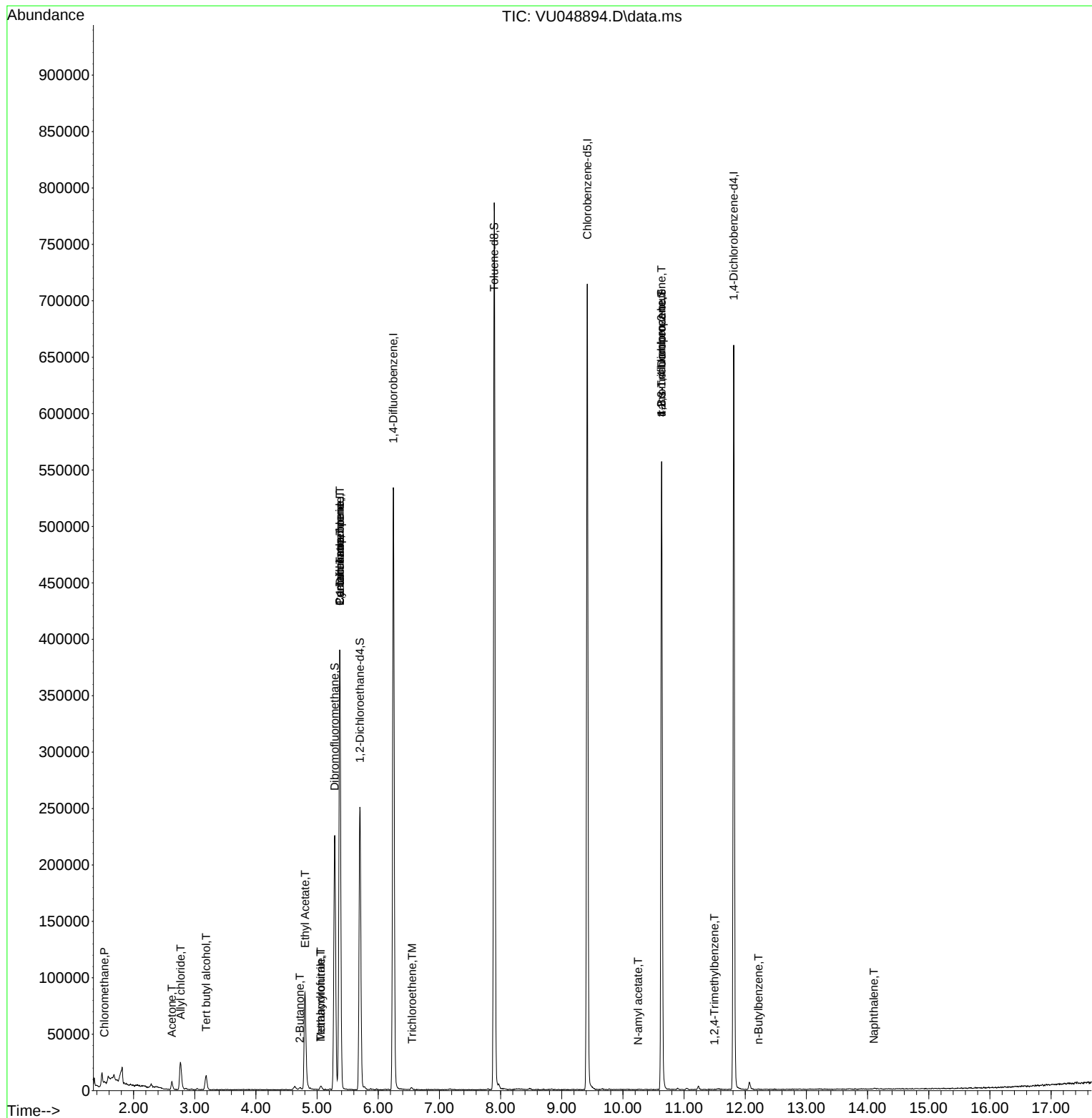
Internal Standards						
1) Pentafluorobenzene	5.372	168	259117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	422766	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	389103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	169892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	194176	49.898	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.800%
35) Dibromofluoromethane	5.289	113	146673	48.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.260%
50) Toluene-d8	7.896	98	515560	47.686	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.380%
62) 4-Bromofluorobenzene	10.632	95	186409	45.589	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1073	0.281	ug/l #	88
5) Bromomethane	1.835	94	200	Below Cal	#	3
6) Chloroethane	1.967	64	148	Below Cal	#	59
11) Tert butyl alcohol	3.186	59	8271	8.383	ug/l #	28
13) Acrolein	2.424	56	40	Below Cal	#	14
14) Allyl chloride	2.771	41	3287	0.643	ug/l #	81
16) Acetone	2.626	43	8019	4.044	ug/l	90
25) 2-Butanone	4.719	43	3640	1.278	ug/l #	86
29) Tetrahydrofuran	5.060	42	1856	1.034	ug/l	98
31) Cyclohexane	5.372	56	5369	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	22350	5.077	ug/l #	50
37) Ethyl Acetate	4.803	43	114894	20.646	ug/l	99
38) Carbon Tetrachloride	5.372	117	27048	5.356	ug/l #	18
41) Methacrylonitrile	5.064	41	1271	0.452	ug/l #	47
44) Trichloroethene	6.552	130	685	0.205	ug/l	53
74) N-amyl acetate	10.247	43	253	2.510	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	95551	17.444	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	95551	63.335	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.494	105	40	1.191	ug/l #	31
89) n-Butylbenzene	12.218	91	68	2.192	ug/l #	34
95) Naphthalene	14.105	128	917	2.598	ug/l #	69

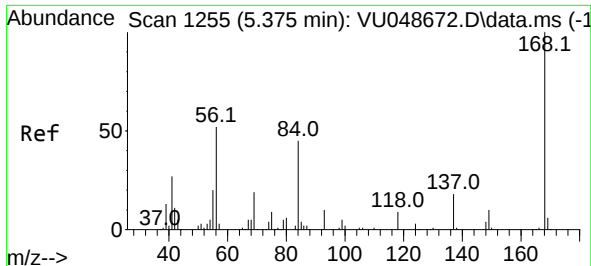
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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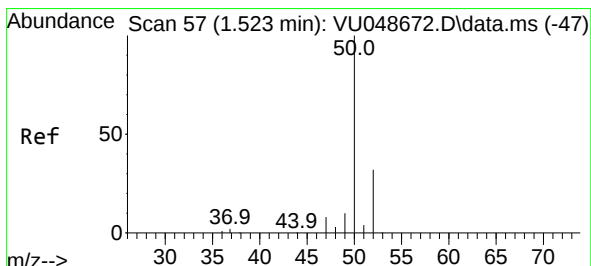
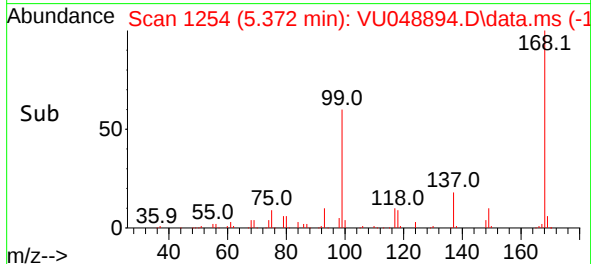
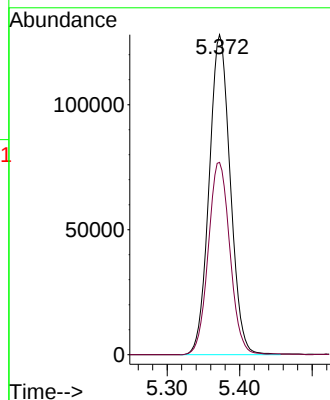
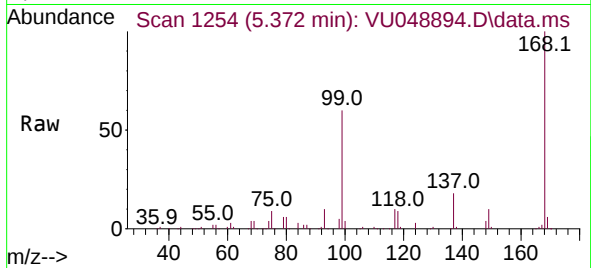




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

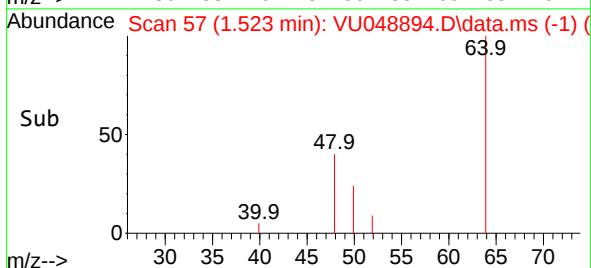
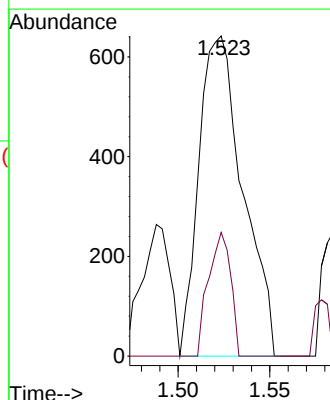
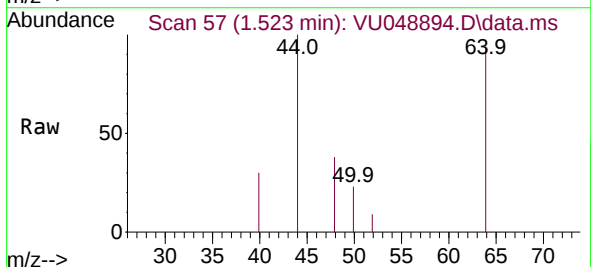
Instrument :
MSVOA_U
ClientSampleId :
44BR-20220601

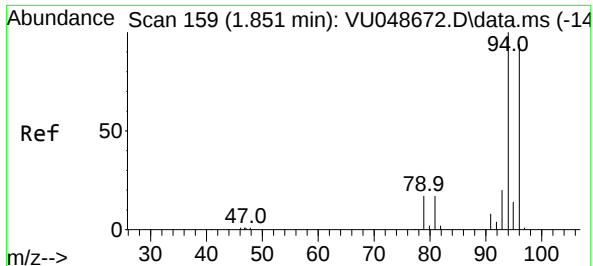
Tgt Ion:168 Resp: 259117
Ion Ratio Lower Upper
168 100
99 60.1 49.3 73.9



#3
Chloromethane
Concen: 0.281 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

Tgt Ion: 50 Resp: 1073
Ion Ratio Lower Upper
50 100
52 38.6 25.7 38.5#

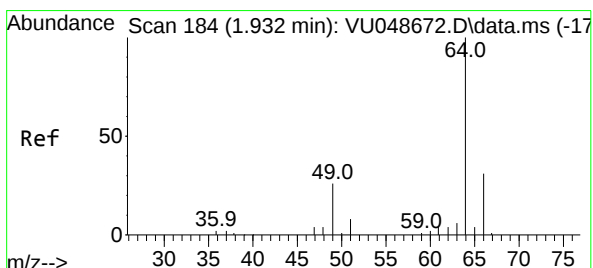
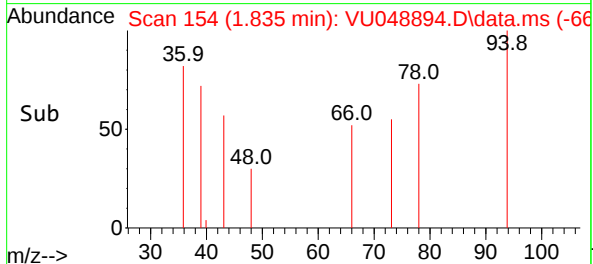
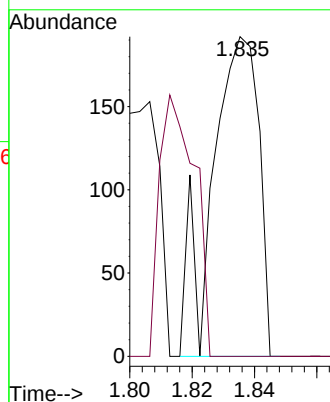
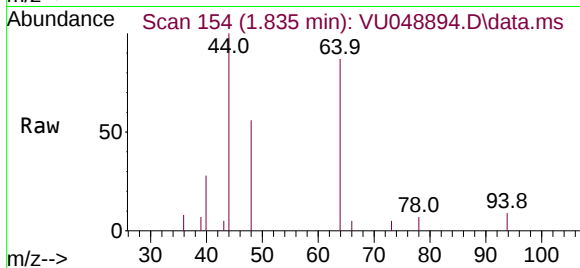




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

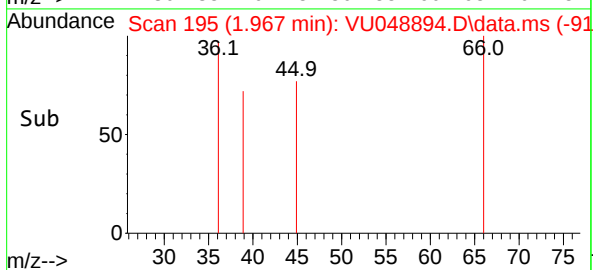
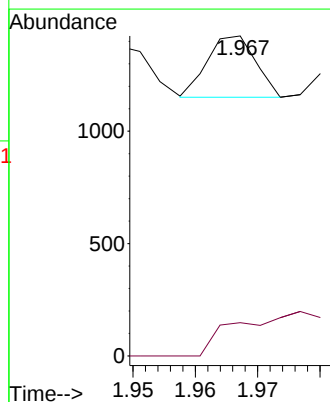
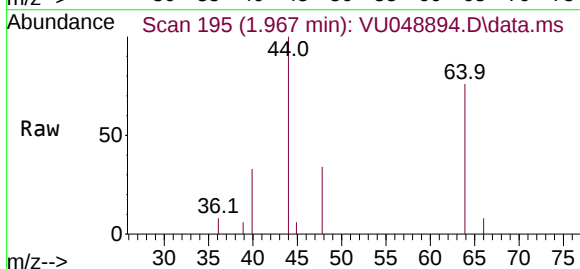
Instrument :
MSVOA_U
ClientSampleId :
44BR-20220601

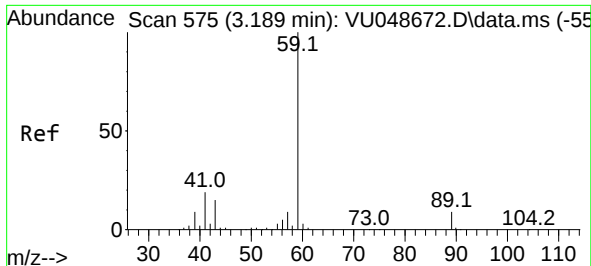
Tgt Ion: 94 Resp: 200
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.967 min Scan# 195
Delta R.T. 0.035 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

Tgt Ion: 64 Resp: 148
Ion Ratio Lower Upper
64 100
66 54.2 25.2 37.8#

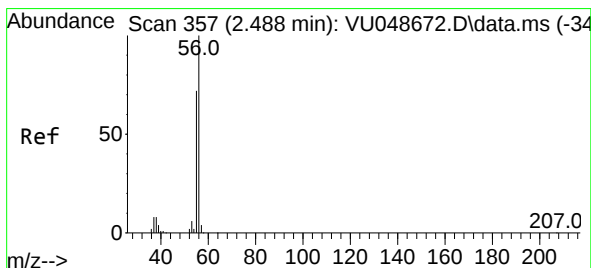
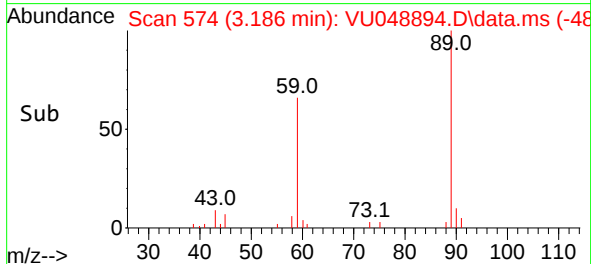
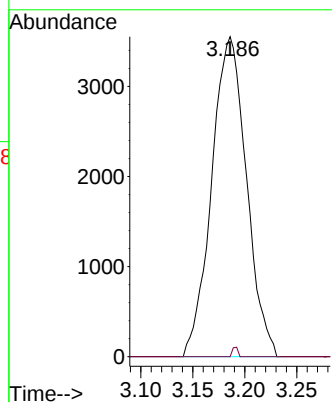
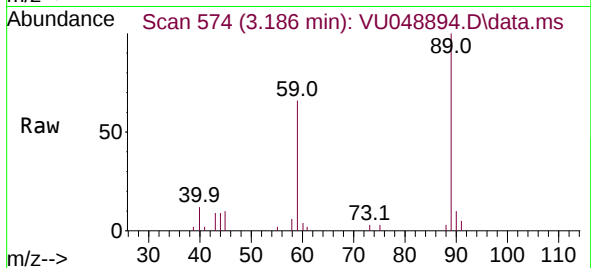




#11
Tert butyl alcohol
Concen: 8.383 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

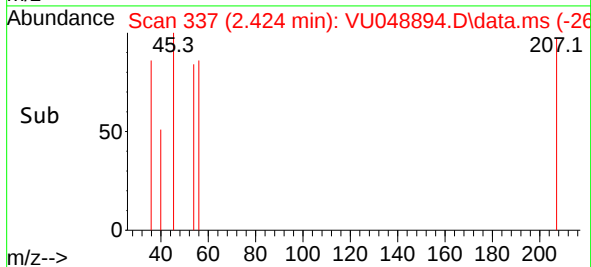
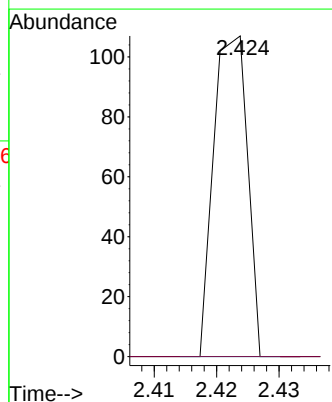
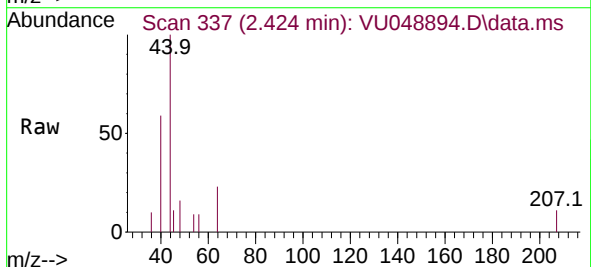
Instrument :
MSVOA_U
ClientSampleId :
44BR-20220601

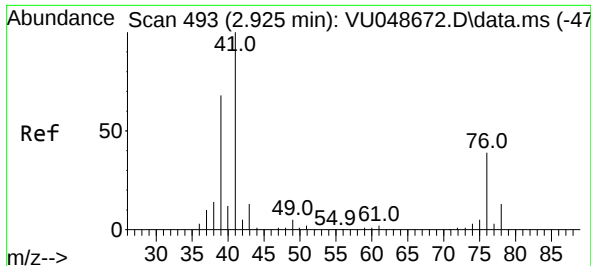
Tgt Ion: 59 Resp: 8271
Ion Ratio Lower Upper
59 100
57 0.5 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.424 min Scan# 337
Delta R.T. -0.064 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

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

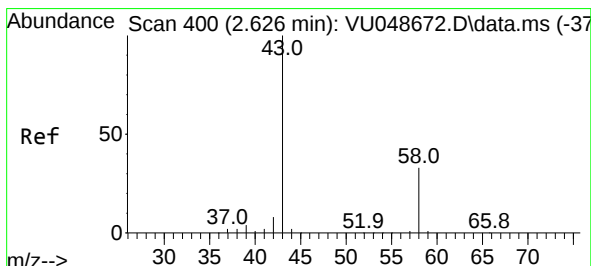
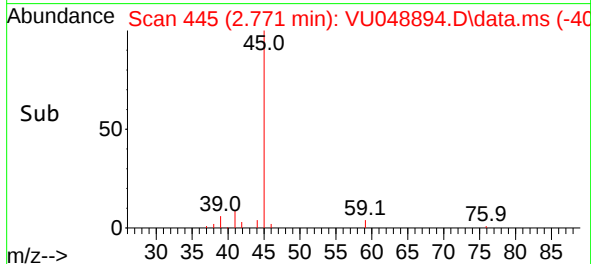
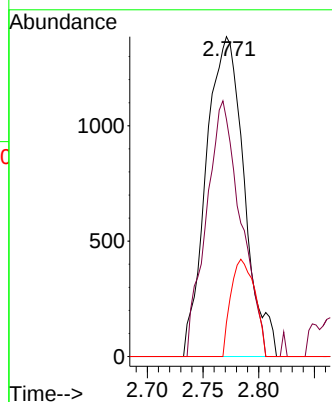
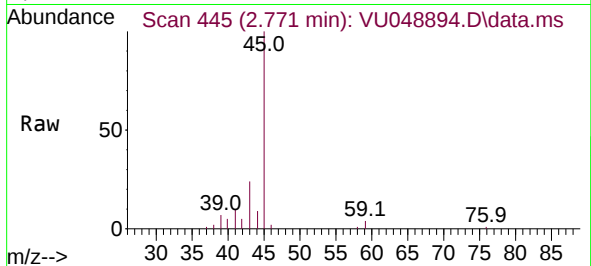




#14
 Allyl chloride
 Concen: 0.643 ug/l
 RT: 2.771 min Scan# 44
 Delta R.T. -0.154 min
 Lab File: VU048894.D
 Acq: 06 Jun 2022 19:50

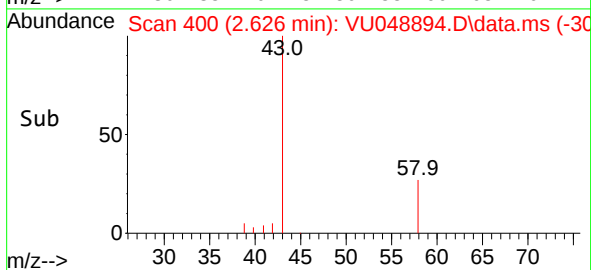
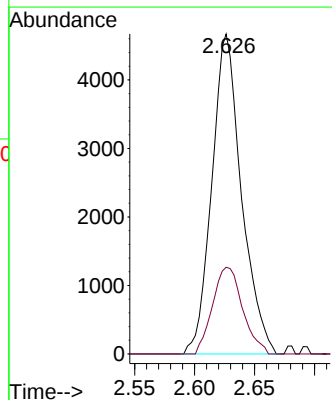
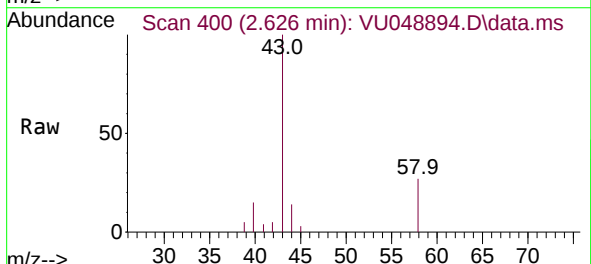
Instrument :
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 ClientSampleId :
 44BR-20220601

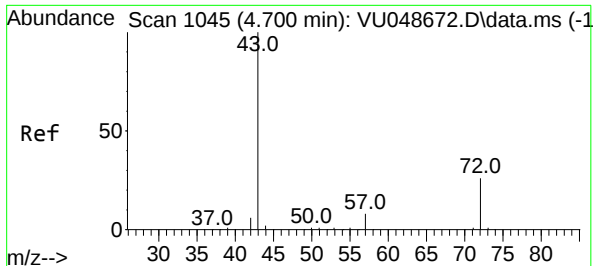
Tgt Ion: 41 Resp: 3287
 Ion Ratio Lower Upper
 41 100
 39 72.8 48.6 72.8
 76 19.2 27.0 40.4#



#16
 Acetone
 Concen: 4.044 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU048894.D
 Acq: 06 Jun 2022 19:50

Tgt Ion: 43 Resp: 8019
 Ion Ratio Lower Upper
 43 100
 58 27.1 26.3 39.5





#25

2-Butanone

Concen: 1.278 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.019 min

Lab File: VU048894.D

Acq: 06 Jun 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

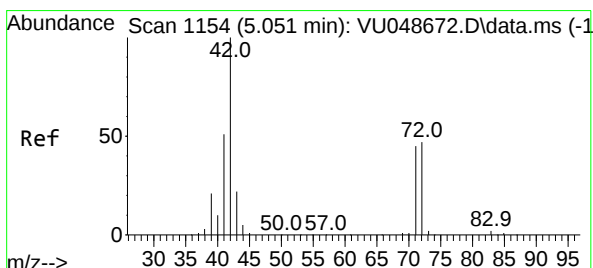
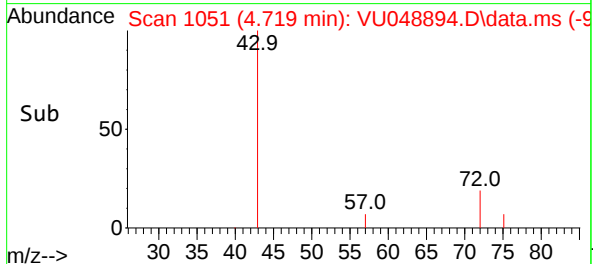
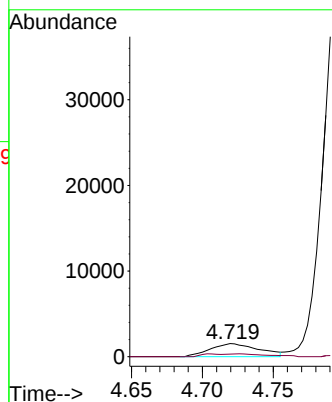
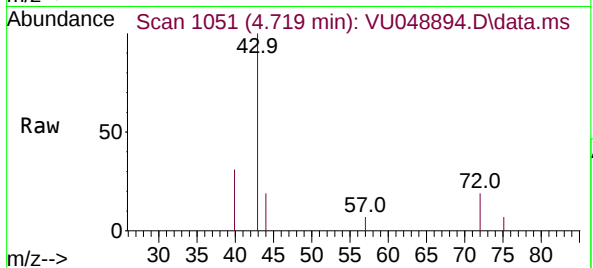
44BR-20220601

Tgt Ion: 43 Resp: 3640

Ion Ratio Lower Upper

43 100

72 19.1 21.1 31.7#



#29

Tetrahydrofuran

Concen: 1.034 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048894.D

Acq: 06 Jun 2022 19:50

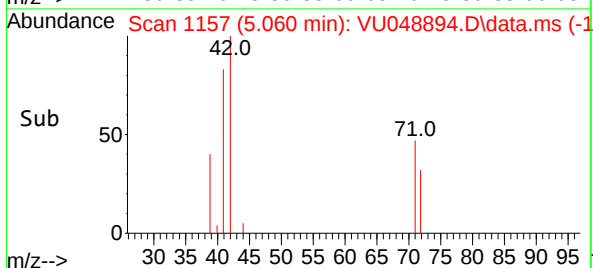
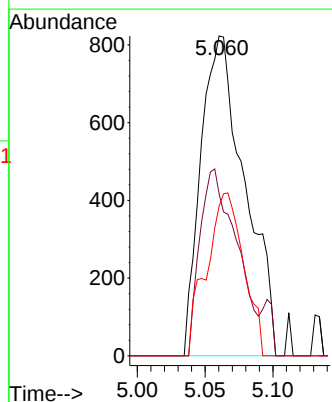
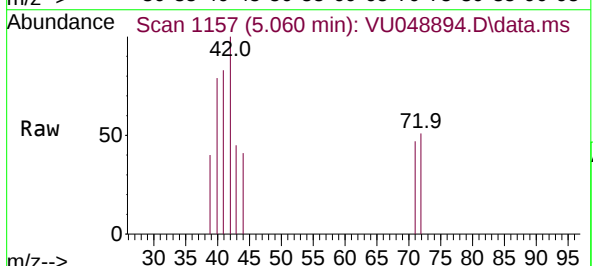
Tgt Ion: 42 Resp: 1856

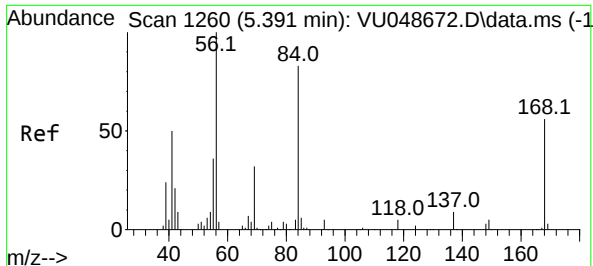
Ion Ratio Lower Upper

42 100

72 49.3 37.6 56.4

71 43.0 35.0 52.4

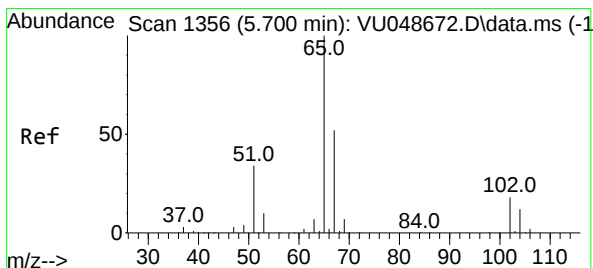
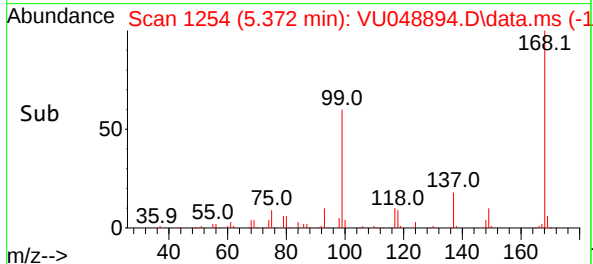
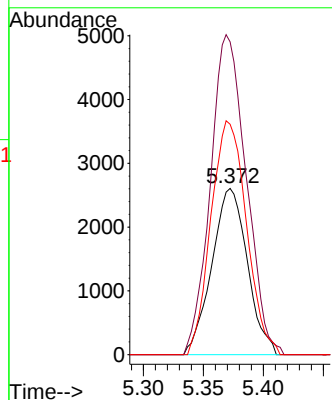
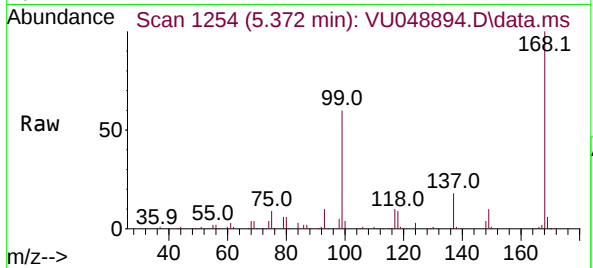




#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

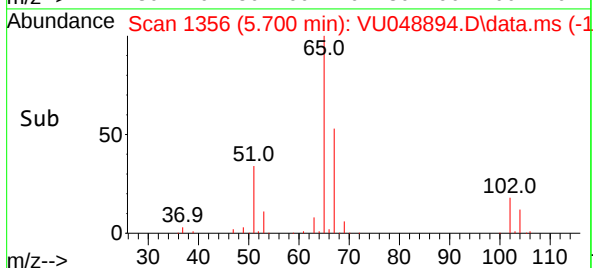
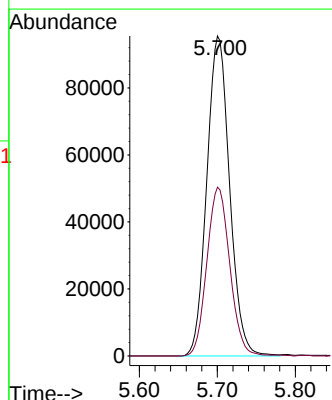
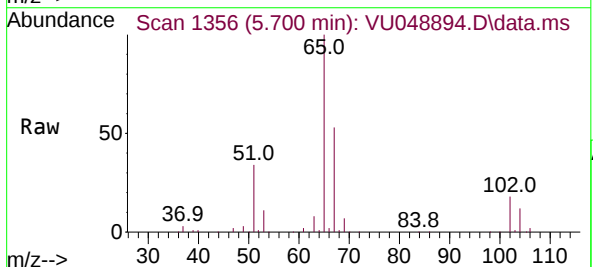
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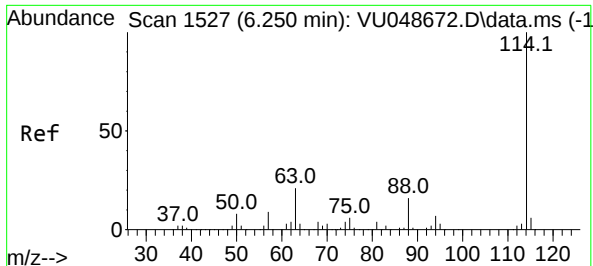
Tgt Ion: 56 Resp: 5369
Ion Ratio Lower Upper
56 100
69 188.1 25.6 38.4#
84 138.6 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 49.898 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

Tgt Ion: 65 Resp: 194176
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048894.D

Acq: 06 Jun 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

44BR-20220601

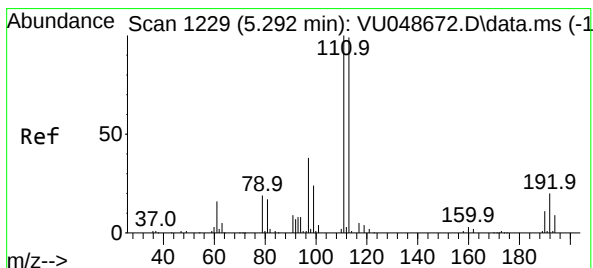
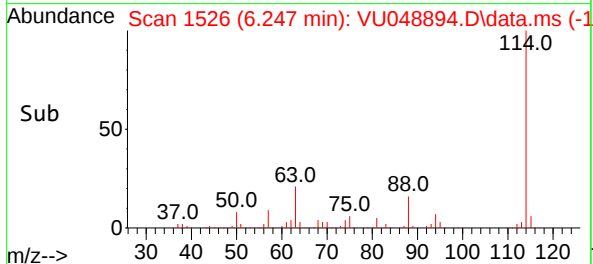
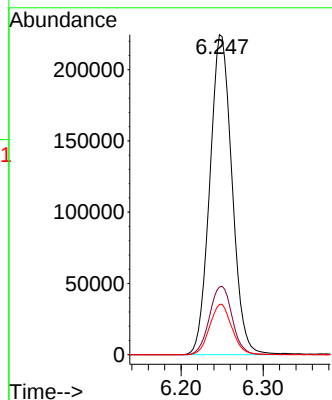
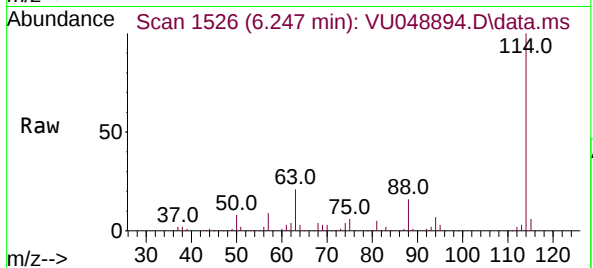
Tgt Ion:114 Resp: 422766

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 15.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.630 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048894.D

Acq: 06 Jun 2022 19:50

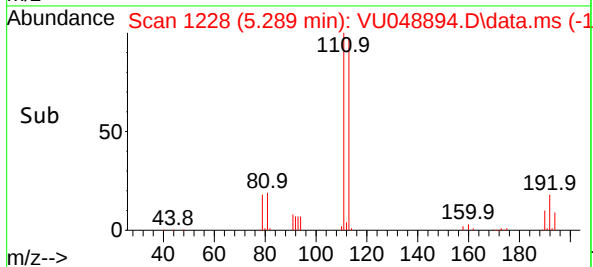
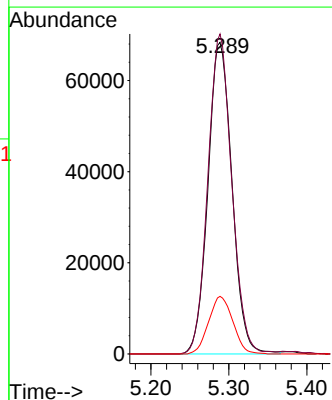
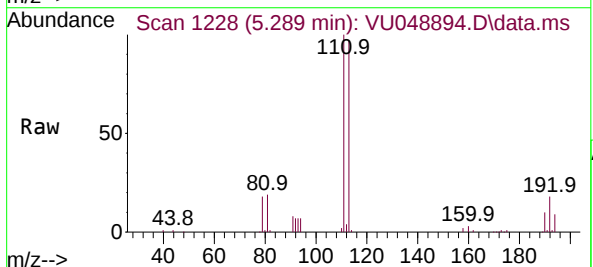
Tgt Ion:113 Resp: 146673

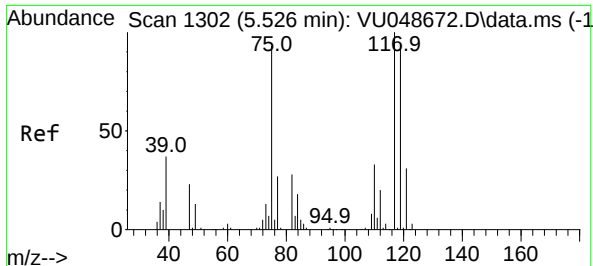
Ion Ratio Lower Upper

113 100

111 101.8 80.7 121.1

192 18.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.077 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048894.D

Acq: 06 Jun 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

44BR-20220601

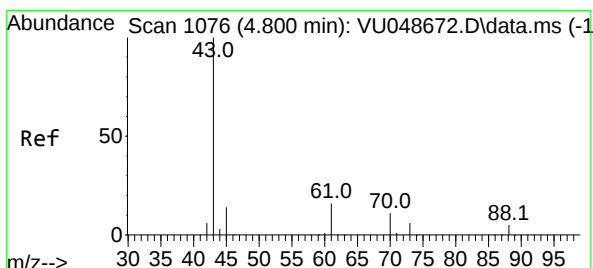
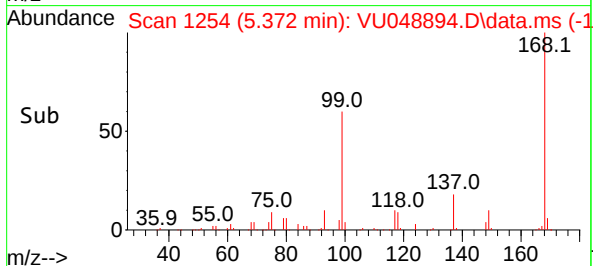
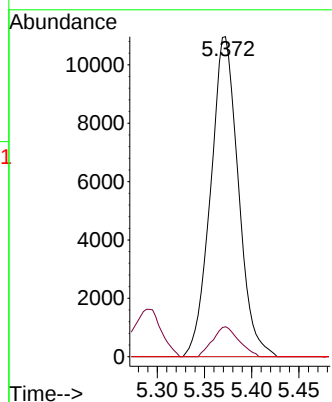
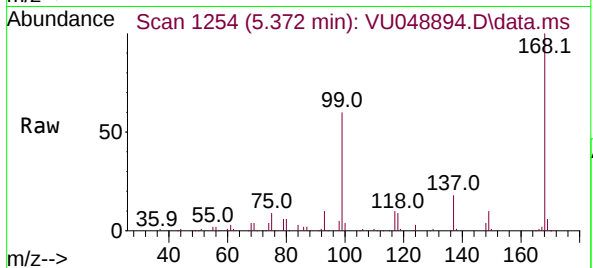
Tgt Ion: 75 Resp: 22350

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 20.646 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VU048894.D

Acq: 06 Jun 2022 19:50

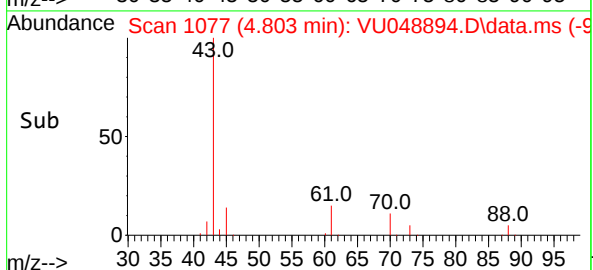
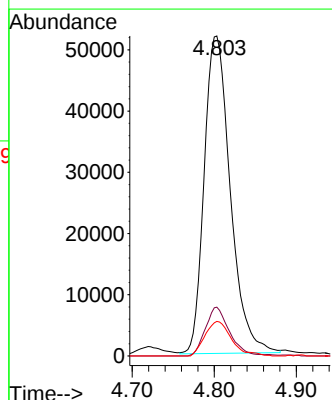
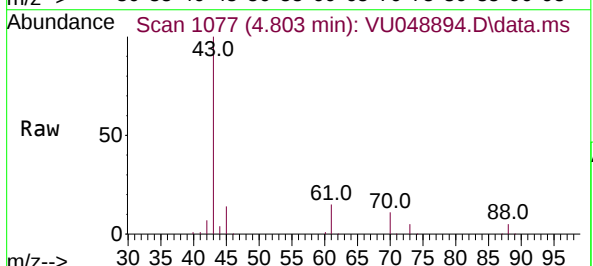
Tgt Ion: 43 Resp: 114894

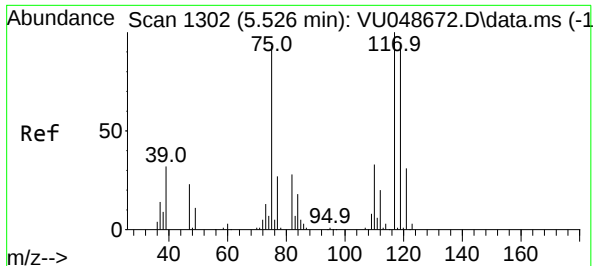
Ion Ratio Lower Upper

43 100

61 14.1 11.7 17.5

70 11.1 8.4 12.6

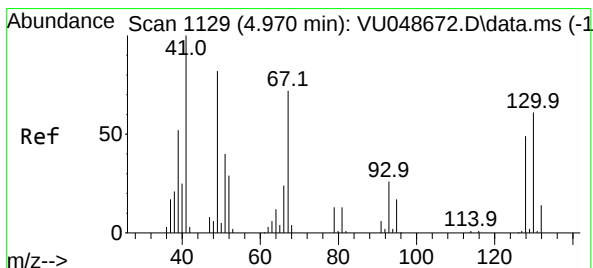
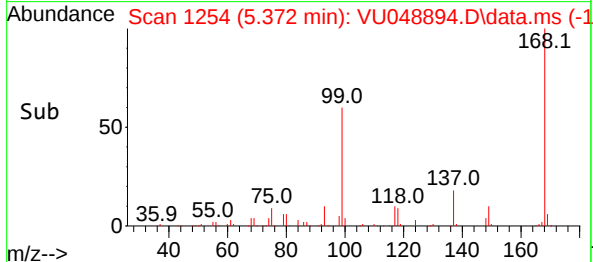
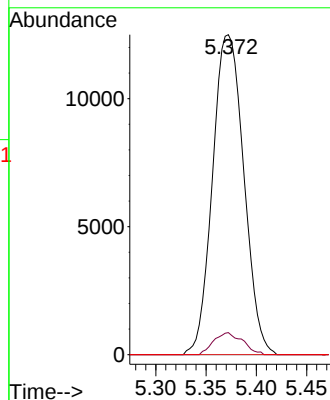
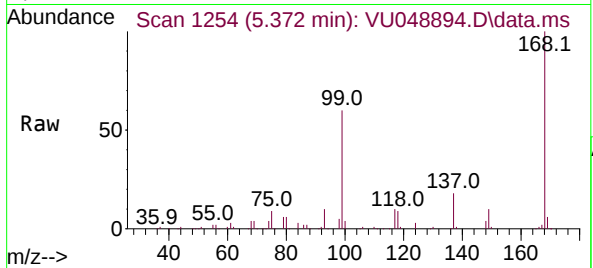




#38
Carbon Tetrachloride
Concen: 5.356 ug/l
RT: 5.372 min Scan# 1158
Delta R.T. -0.154 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

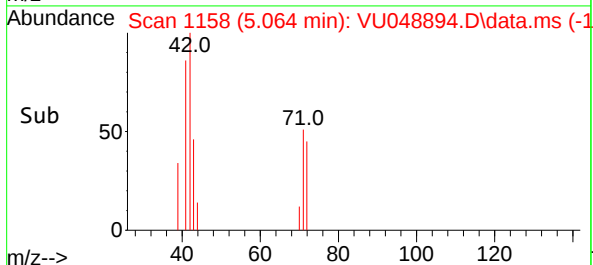
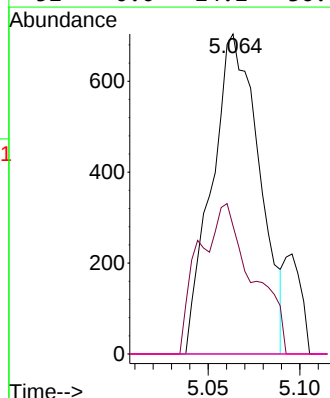
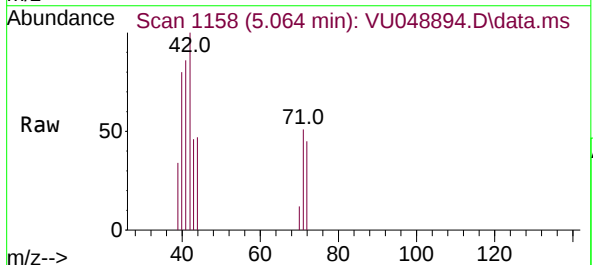
Instrument :
MSVOA_U
ClientSampleId :
44BR-20220601

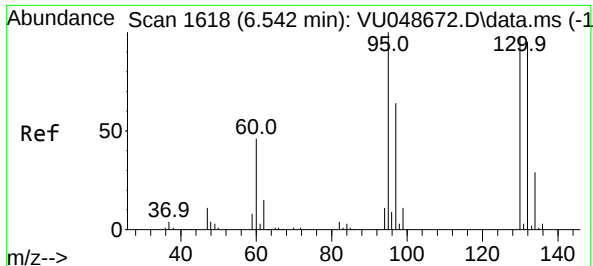
Tgt Ion:117 Resp: 27048
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.452 ug/l
RT: 5.064 min Scan# 1158
Delta R.T. 0.093 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

Tgt Ion: 41 Resp: 1271
Ion Ratio Lower Upper
41 100
39 53.2 42.6 64.0
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#

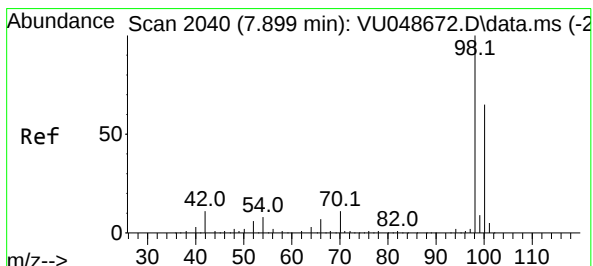
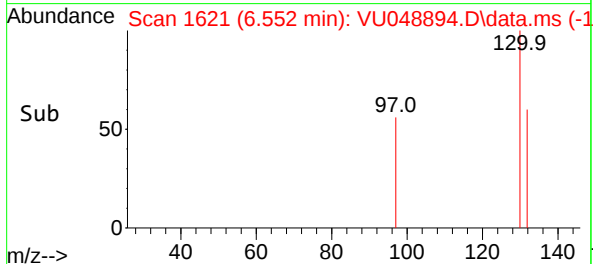
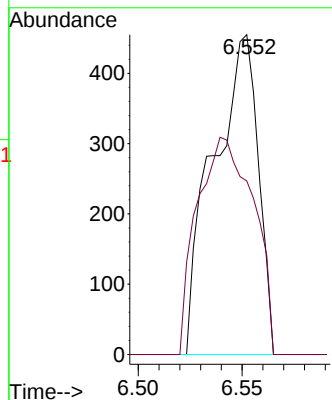
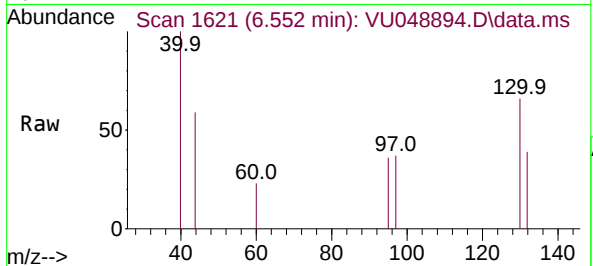




#44
Trichloroethene
Concen: 0.205 ug/l
RT: 6.552 min Scan# 1
Delta R.T. 0.010 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

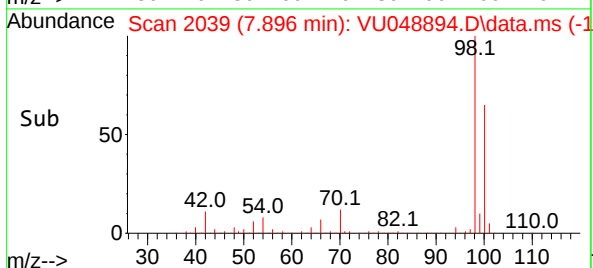
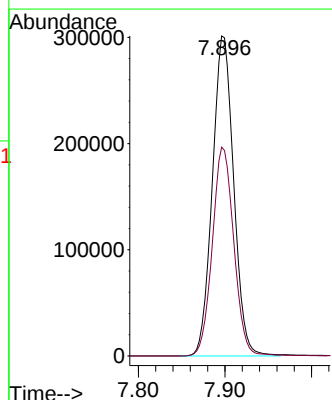
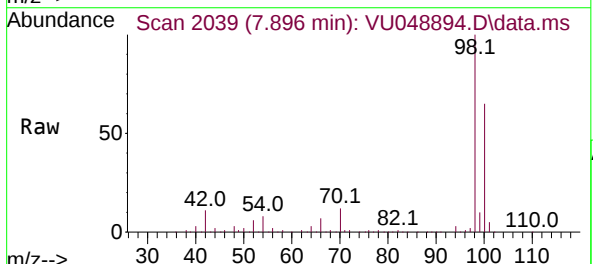
Instrument :
MSVOA_U
ClientSampleId :
44BR-20220601

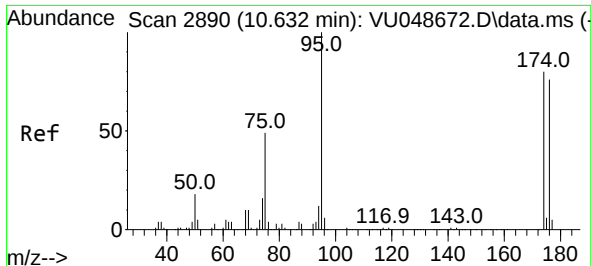
Tgt Ion:130 Resp: 685
Ion Ratio Lower Upper
130 100
95 54.3 0.0 204.8



#50
Toluene-d8
Concen: 47.686 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

Tgt Ion: 98 Resp: 515560
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.589 ug/l

RT: 10.632 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048894.D

Acq: 06 Jun 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

44BR-20220601

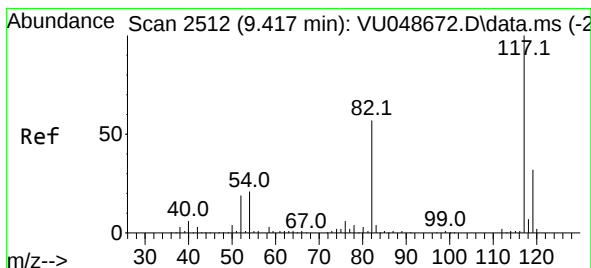
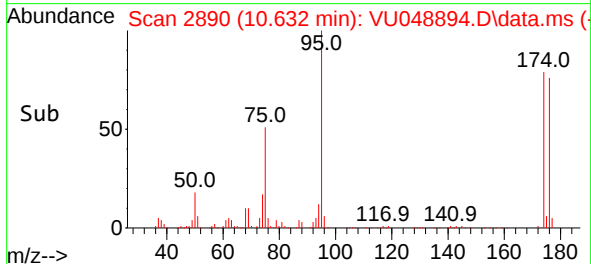
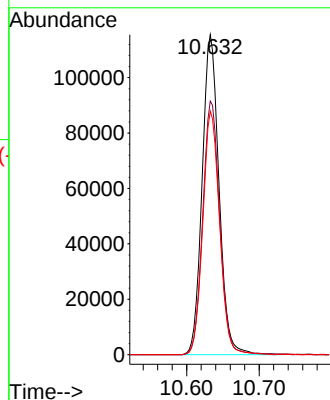
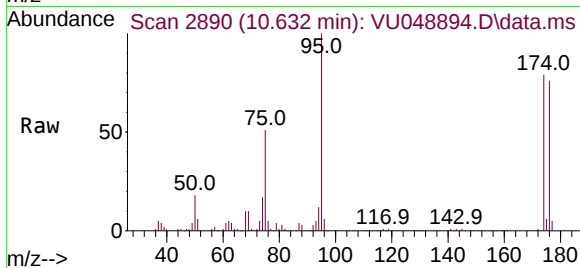
Tgt Ion: 95 Resp: 186409

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.4

176 76.0 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: VU048894.D

Acq: 06 Jun 2022 19:50

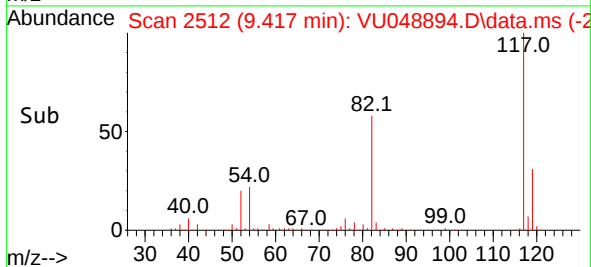
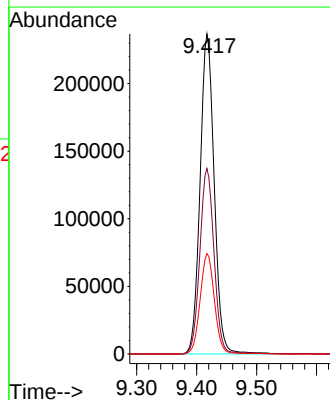
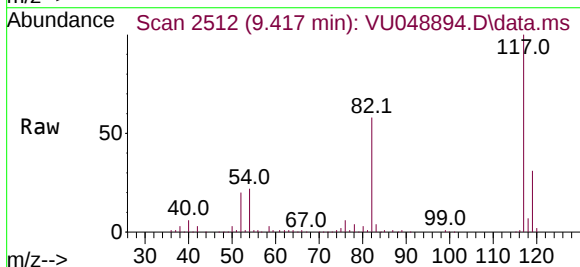
Tgt Ion: 117 Resp: 389103

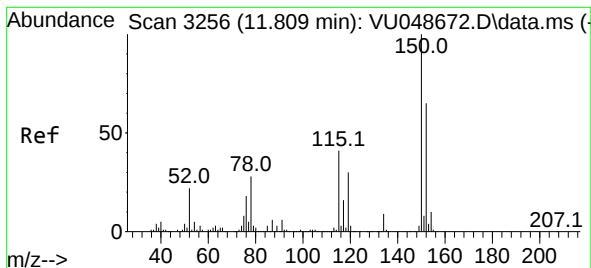
Ion Ratio Lower Upper

117 100

82 57.9 45.3 67.9

119 31.3 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: VU048894.D

Acq: 06 Jun 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

44BR-20220601

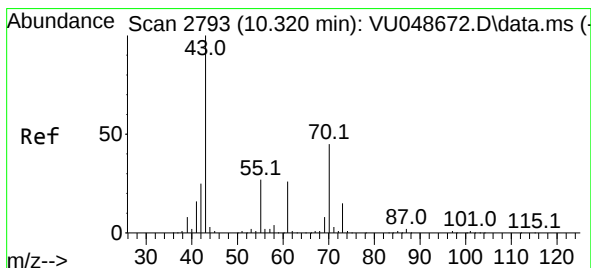
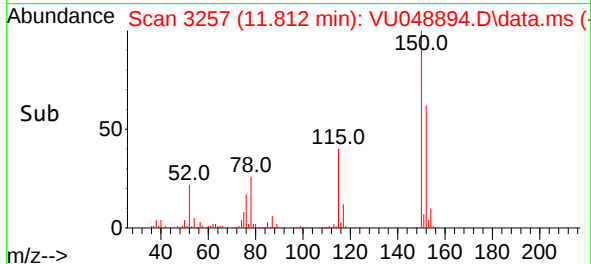
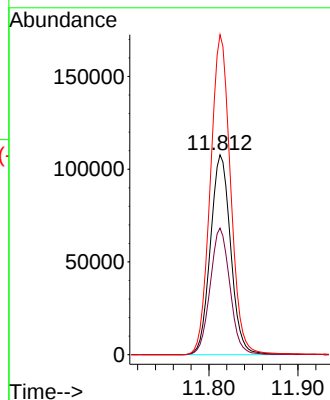
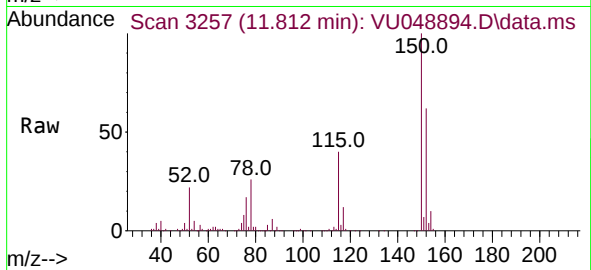
Tgt Ion:152 Resp: 169892

Ion Ratio Lower Upper

152 100

115 61.8 41.8 125.4

150 159.6 0.0 341.0



#74

N-ethyl acetate

Concen: 2.510 ug/l

RT: 10.247 min Scan# 2770

Delta R.T. -0.073 min

Lab File: VU048894.D

Acq: 06 Jun 2022 19:50

Tgt Ion: 43 Resp: 253

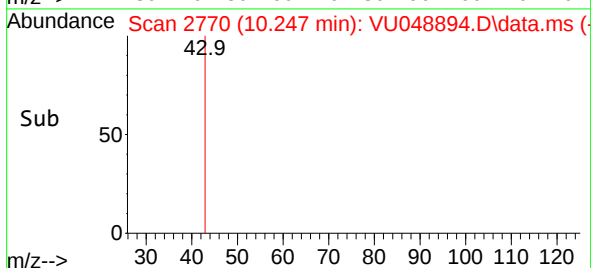
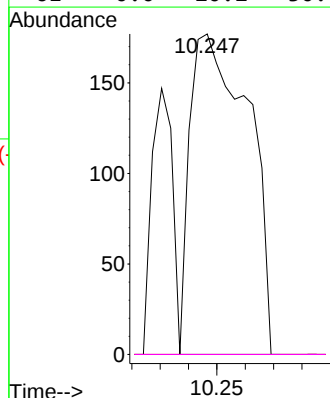
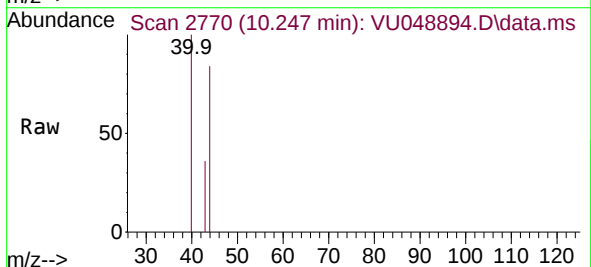
Ion Ratio Lower Upper

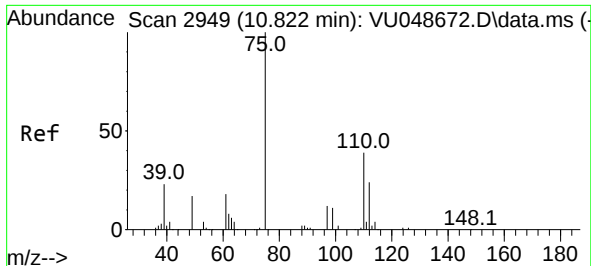
43 100

70 0.0 35.8 53.6#

55 0.0 21.1 31.7#

61 0.0 20.2 30.4#

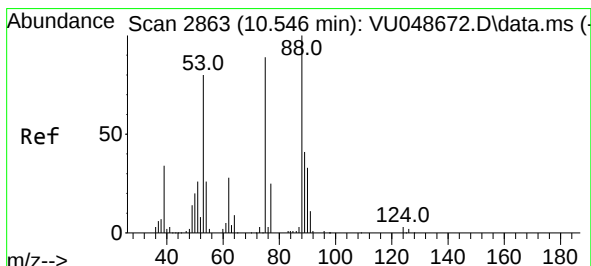
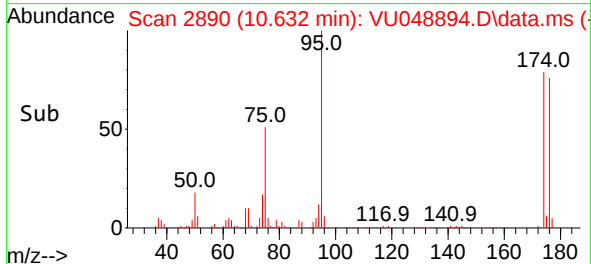
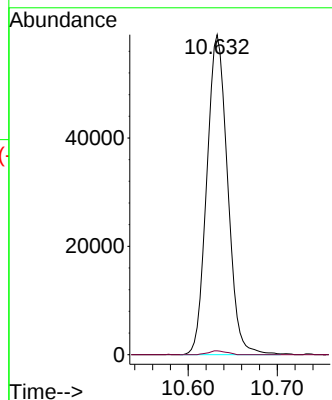
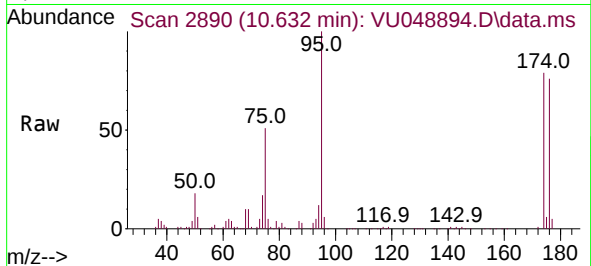




#76
1,2,3-Trichloropropane
Concen: 17.444 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

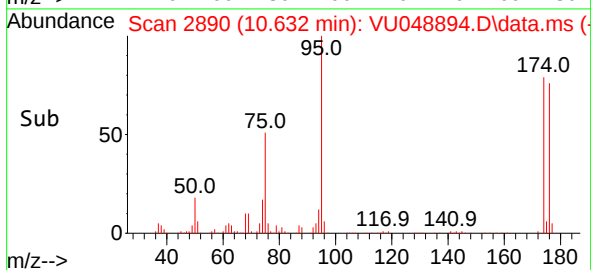
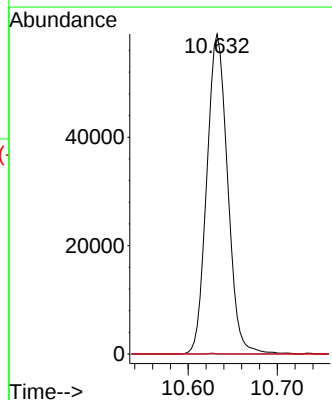
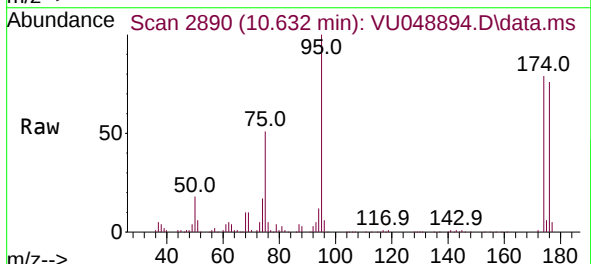
Instrument :
MSVOA_U
ClientSampleId :
44BR-20220601

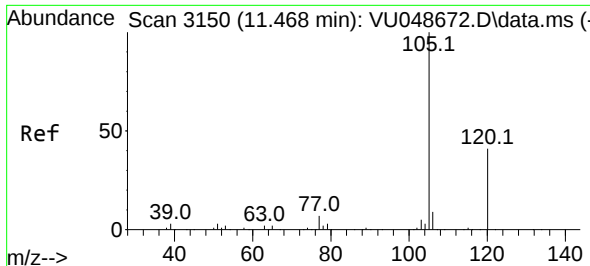
Tgt Ion: 75 Resp: 95551
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.335 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

Tgt Ion: 75 Resp: 95551
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

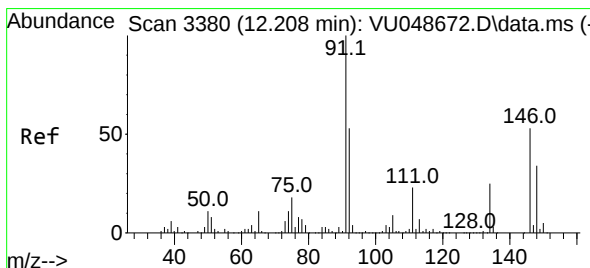
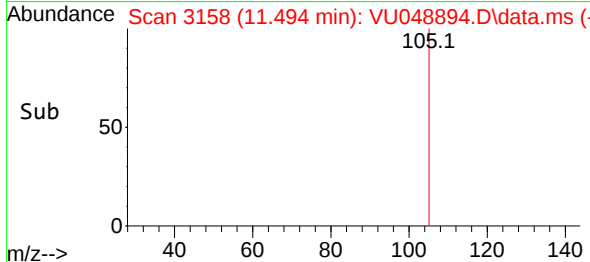
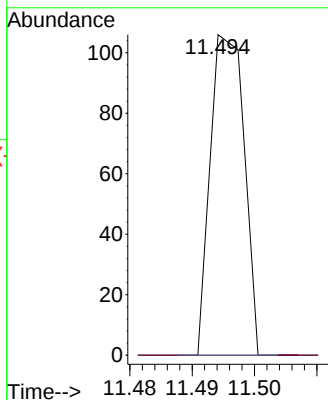
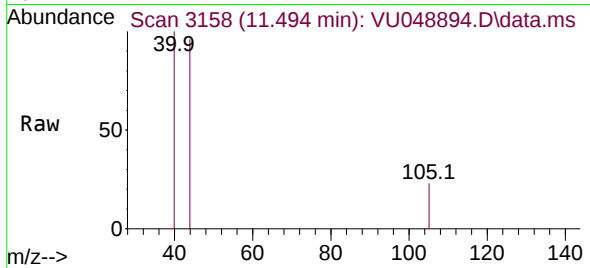




#84
1,2,4-Trimethylbenzene
Concen: 1.191 ug/l
RT: 11.494 min Scan# 3150
Delta R.T. 0.026 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

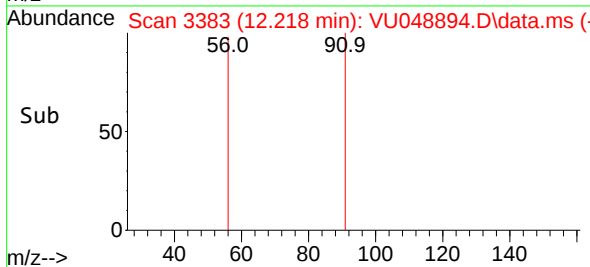
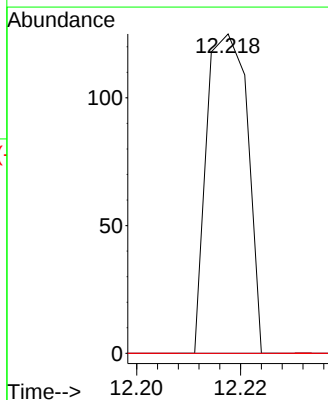
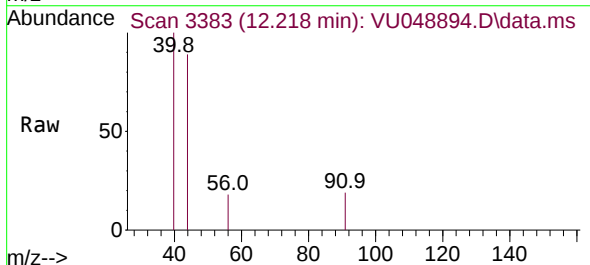
Instrument :
MSVOA_U
ClientSampleId :
44BR-20220601

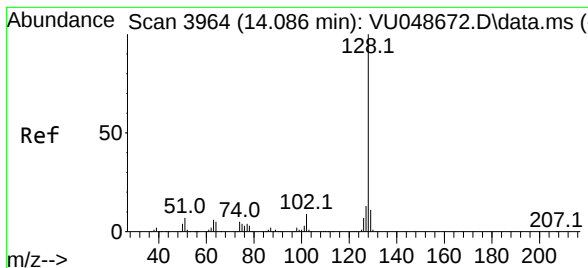
Tgt Ion:105 Resp: 40
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.192 ug/l
RT: 12.218 min Scan# 3383
Delta R.T. 0.010 min
Lab File: VU048894.D
Acq: 06 Jun 2022 19:50

Tgt Ion: 91 Resp: 68
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95

Naphthalene

Concen: 2.598 ug/l

RT: 14.105 min Scan# 3964

Delta R.T. 0.019 min

Lab File: VU048894.D

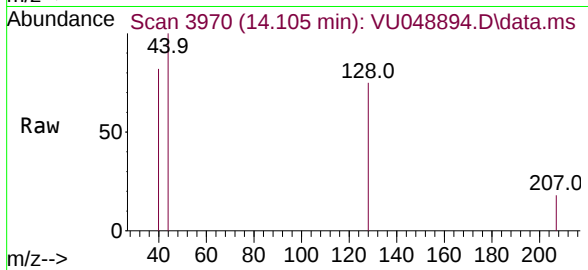
Acq: 06 Jun 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

44BR-20220601



Tgt Ion:128 Resp: 917

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.7 13.1#

