

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048906.D
 Acq On : 07 Jun 2022 13:51
 Operator : SY/MD
 Sample : N3165-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 63BR-20220531

Quant Time: Jun 08 04:51:38 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)

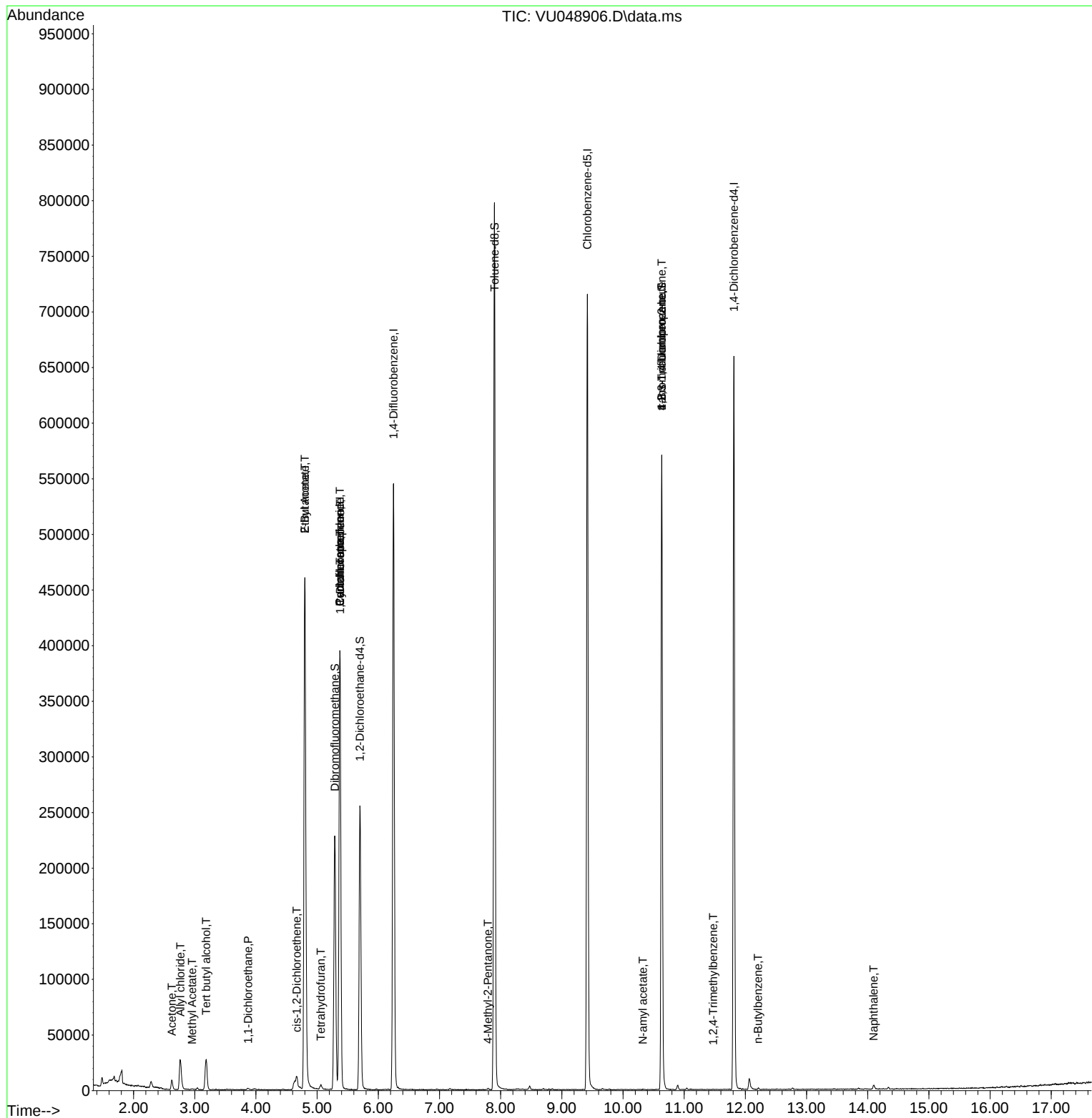
Internal Standards						
1) Pentafluorobenzene	5.372	168	266808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	436072	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	394145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	174611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	197634	49.323	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.640%
35) Dibromofluoromethane	5.288	113	148728	47.807	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.620%
50) Toluene-d8	7.899	98	528390	47.381	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.760%
62) 4-Bromofluorobenzene	10.632	95	190494	45.167	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.340%
Target Compounds						
					Qvalue	
5) Bromomethane	1.842	94	160	Below Cal	#	61
6) Chloroethane	1.951	64	148	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	17725	17.448	ug/l #	28
13) Acrolein	2.485	56	206	Below Cal	#	39
14) Allyl chloride	2.768	41	3330	0.633	ug/l #	58
16) Acetone	2.623	43	9752	4.776	ug/l	98
18) Methyl Acetate	2.954	43	1354	0.264	ug/l #	67
24) 1,1-Dichloroethane	3.870	63	1582	0.260	ug/l #	84
25) 2-Butanone	4.800	43	601868	205.165	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	5594	1.556	ug/l	95
29) Tetrahydrofuran	5.060	42	3089	1.672	ug/l #	53
31) Cyclohexane	5.372	56	6033	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	22545	4.965	ug/l #	49
37) Ethyl Acetate	4.800	43	601868	104.854	ug/l	99
38) Carbon Tetrachloride	5.372	117	28517	5.474	ug/l #	17
51) 4-Methyl-2-Pentanone	7.793	43	1119	0.207	ug/l	88
74) N-amyl acetate	10.324	43	106	2.485	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	98976	17.580	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	98976	63.832	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	332	1.218	ug/l #	52
89) n-Butylbenzene	12.208	91	426	2.226	ug/l #	68
95) Naphthalene	14.095	128	4766	2.862	ug/l #	88

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

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Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
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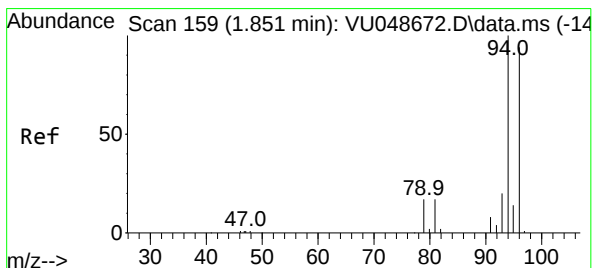
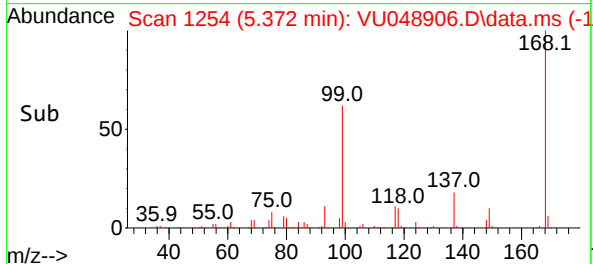
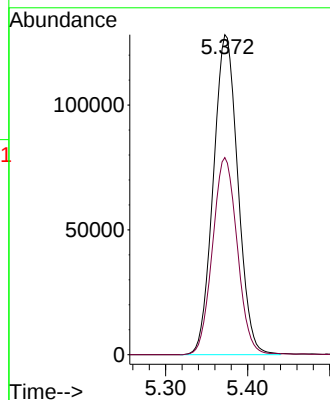
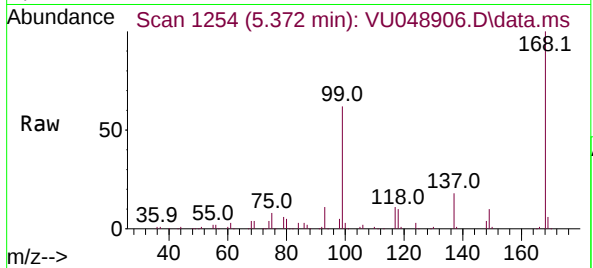




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

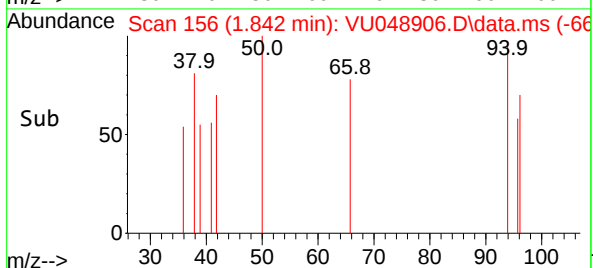
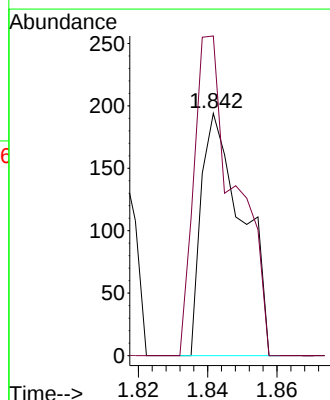
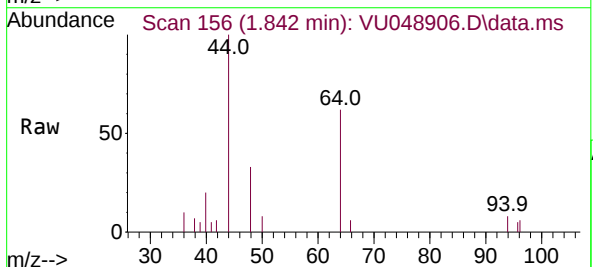
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

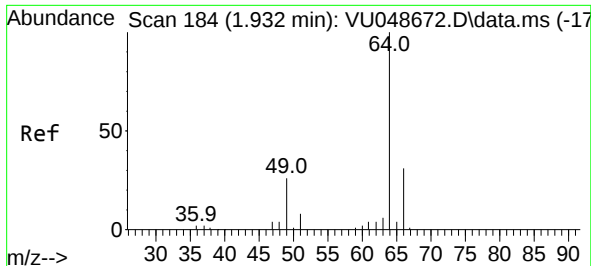
Tgt Ion:168 Resp: 266808
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.842 min Scan# 156
Delta R.T. -0.009 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 94 Resp: 160
Ion Ratio Lower Upper
94 100
96 132.0 75.1 112.7#

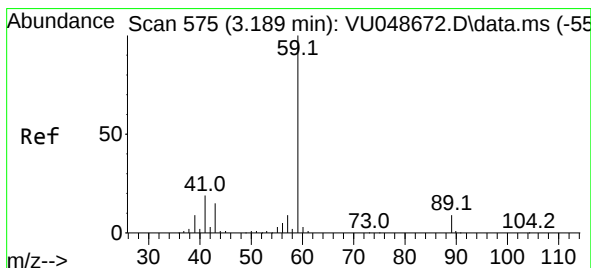
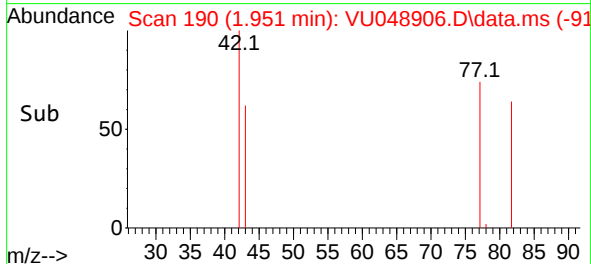
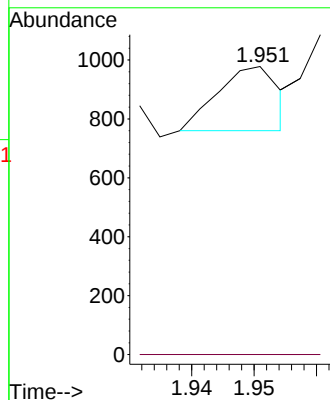
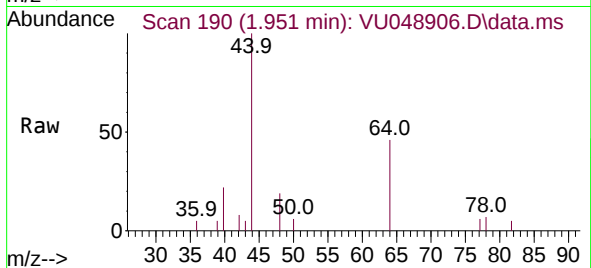




#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 11
Delta R.T. 0.019 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

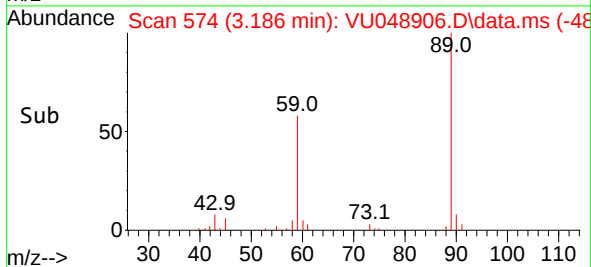
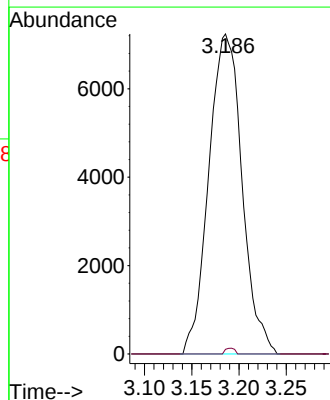
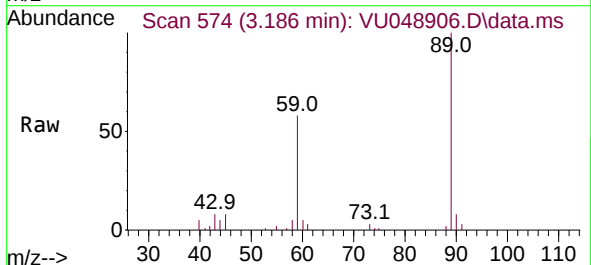
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

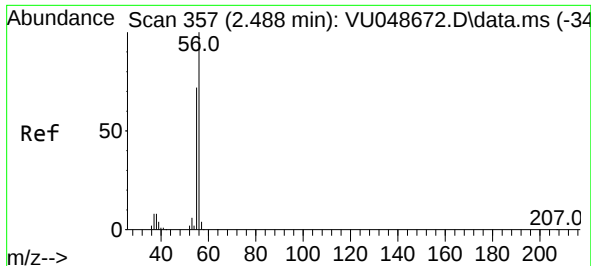
Tgt Ion: 64 Resp: 148
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 17.448 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 59 Resp: 17725
Ion Ratio Lower Upper
59 100
57 0.5 39.7 59.5#

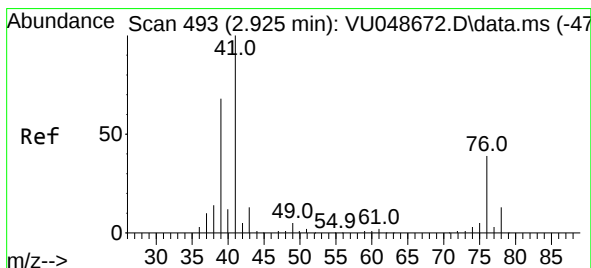
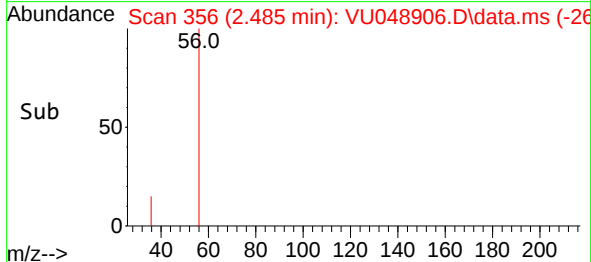
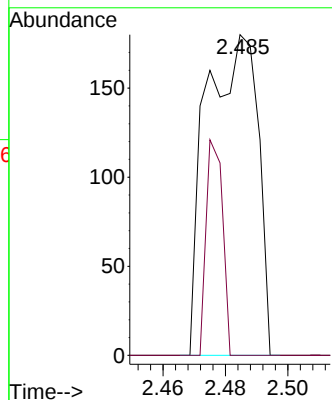
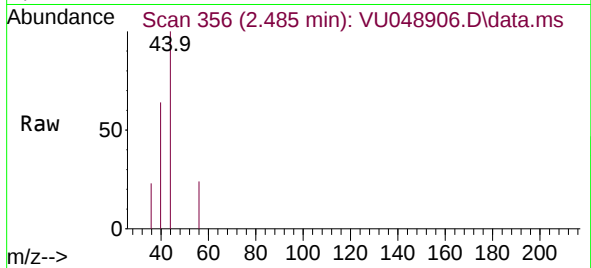




#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

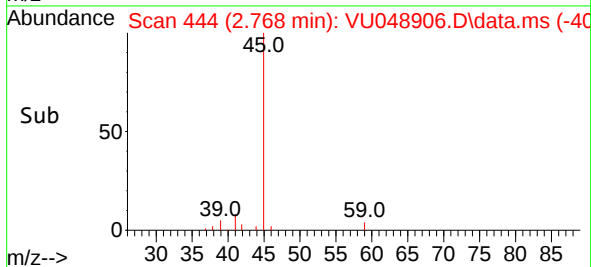
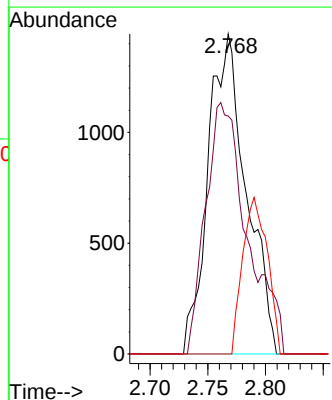
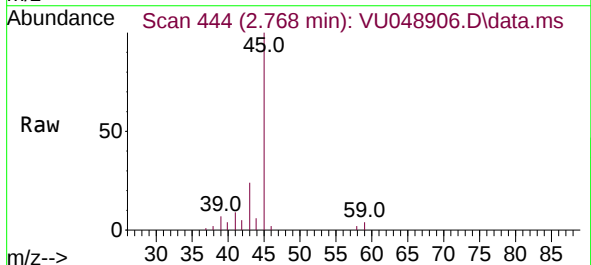
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

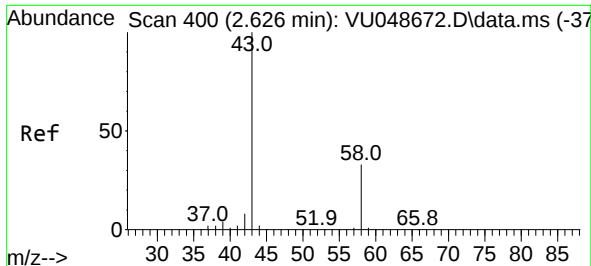
Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 21.4 57.7 86.5#



#14
Allyl chloride
Concen: 0.633 ug/l
RT: 2.768 min Scan# 444
Delta R.T. -0.158 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 41 Resp: 3330
Ion Ratio Lower Upper
41 100
39 85.3 48.6 72.8#
76 0.0 27.0 40.4#

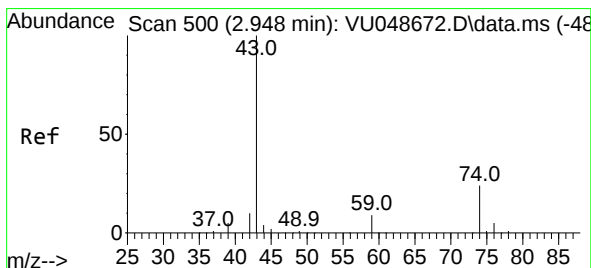
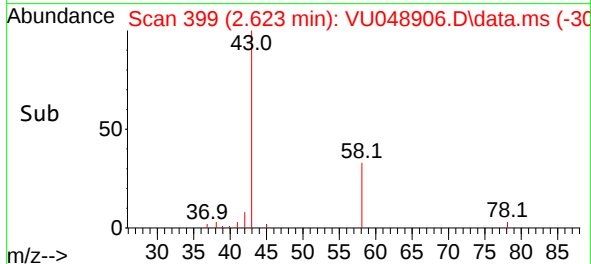
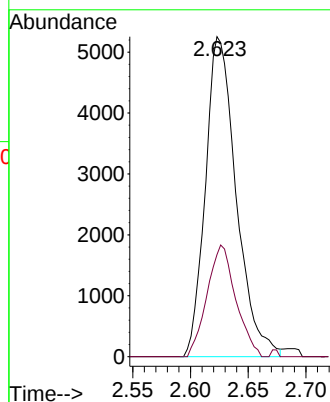
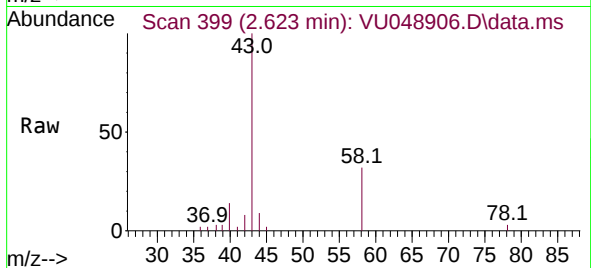




#16
Acetone
Concen: 4.776 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

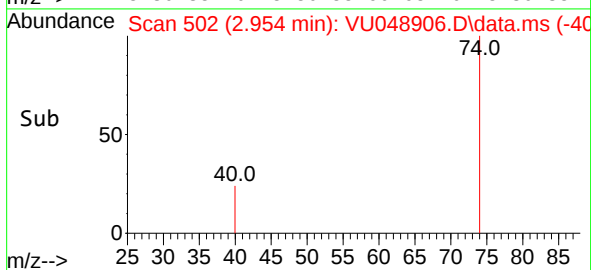
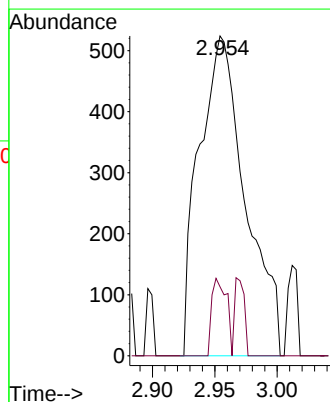
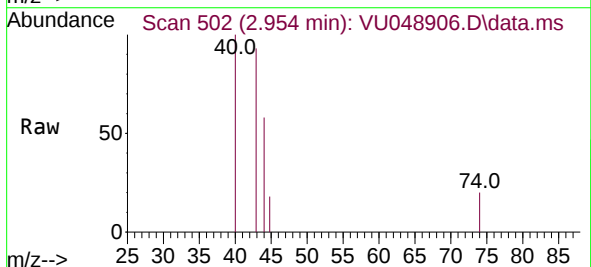
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

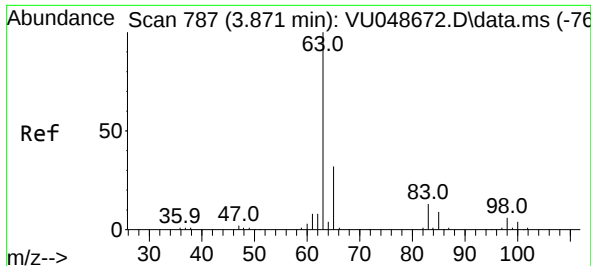
Tgt Ion: 43 Resp: 9752
Ion Ratio Lower Upper
43 100
58 31.9 26.3 39.5



#18
Methyl Acetate
Concen: 0.264 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
74 7.8 19.2 28.8#

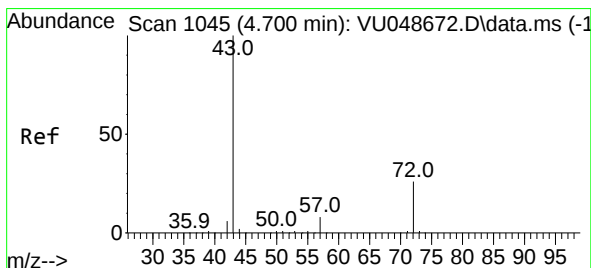
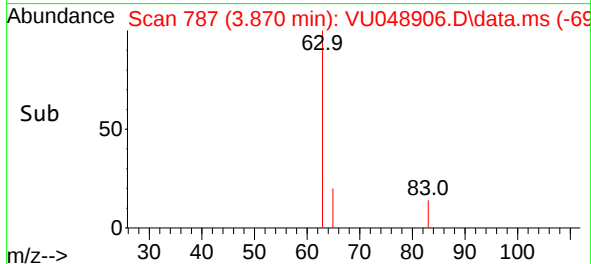
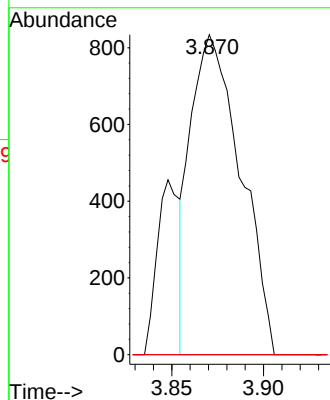
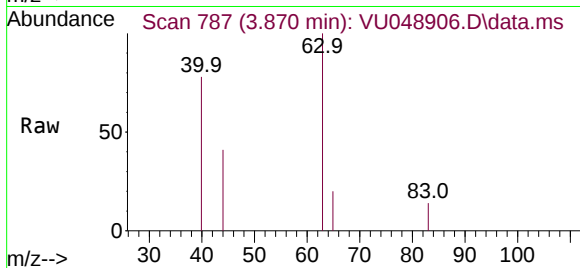




#24
1,1-Dichloroethane
Concen: 0.260 ug/l
RT: 3.870 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

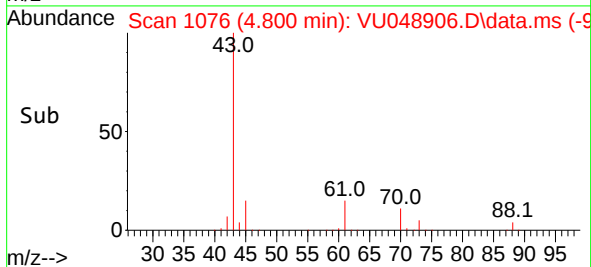
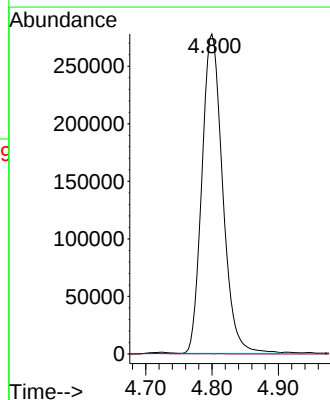
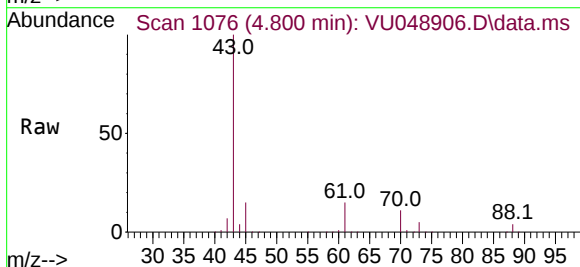
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ClientSampleId :
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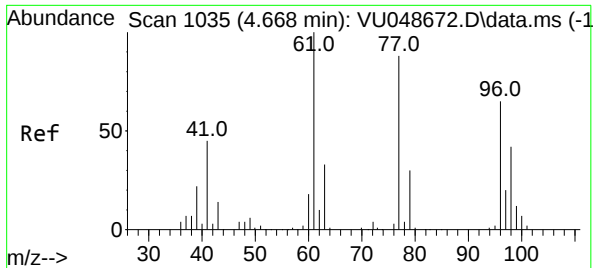
Tgt Ion: 63 Resp: 1582
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.3#
100 0.0 2.0 5.8#



#25
2-Butanone
Concen: 205.165 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 43 Resp: 601868
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#

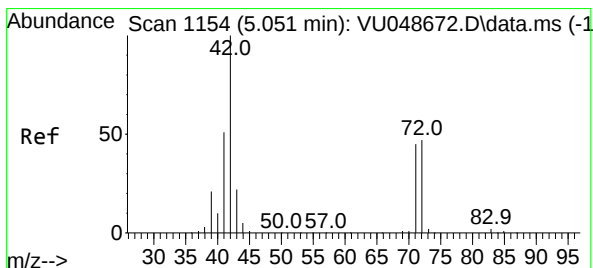
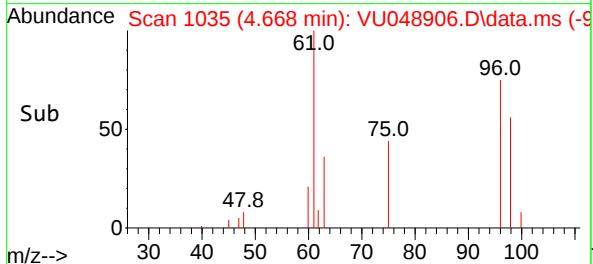
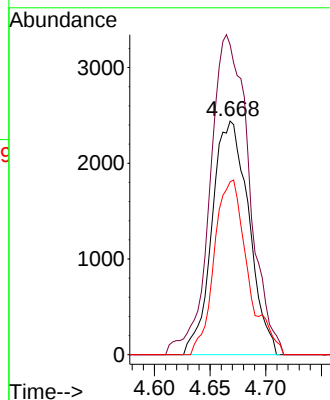
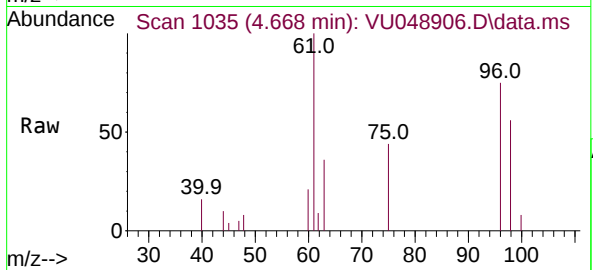




#27
 cis-1,2-Dichloroethene
 Concen: 1.556 ug/l
 RT: 4.668 min Scan# 110
 Delta R.T. -0.000 min
 Lab File: VU048906.D
 Acq: 07 Jun 2022 13:51

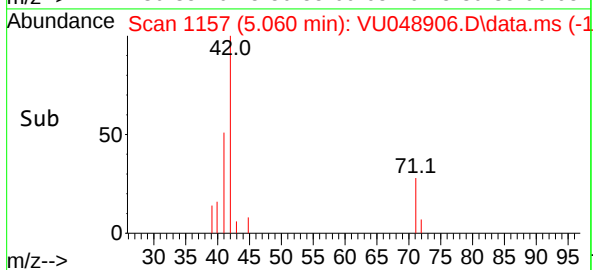
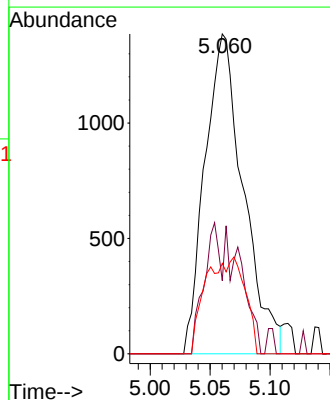
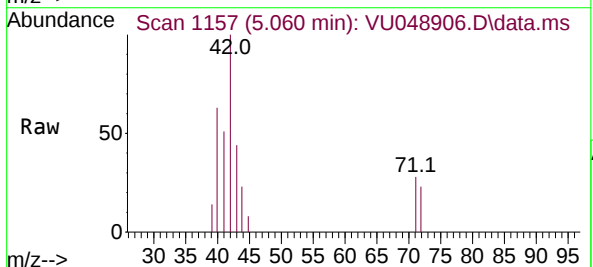
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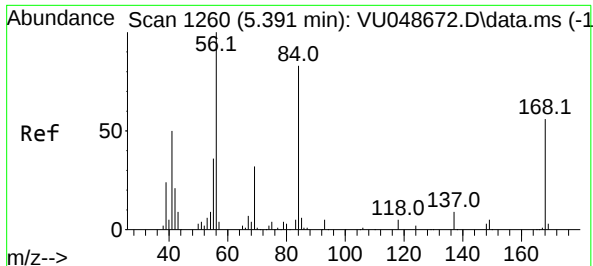
Tgt Ion:	96	Resp:	5594
Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	306.2
98	68.1	0.0	130.4



#29
 Tetrahydrofuran
 Concen: 1.672 ug/l
 RT: 5.060 min Scan# 1157
 Delta R.T. 0.010 min
 Lab File: VU048906.D
 Acq: 07 Jun 2022 13:51

Tgt Ion:	42	Resp:	3089
Ion	Ratio	Lower	Upper
42	100		
72	18.1	37.6	56.4#
71	10.7	35.0	52.4#

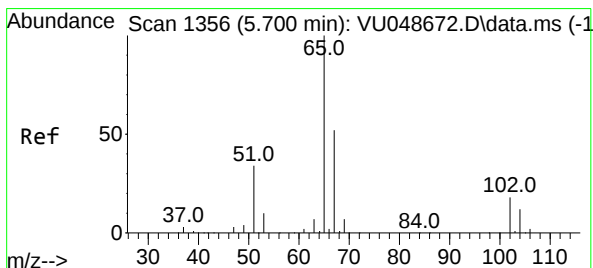
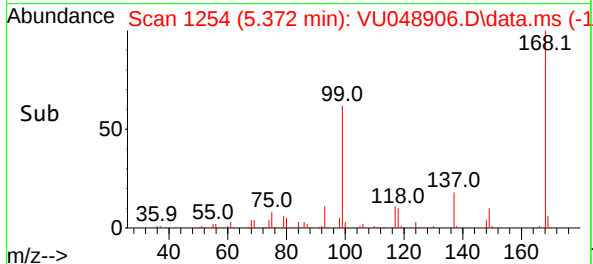
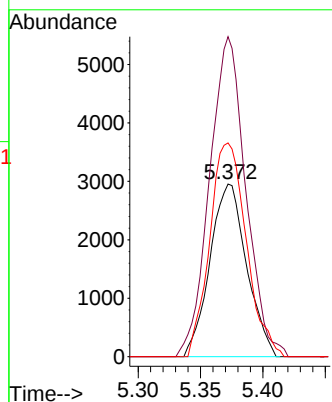
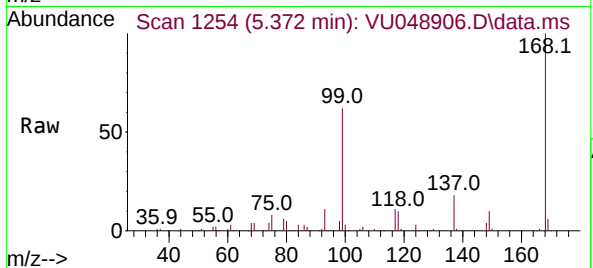




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

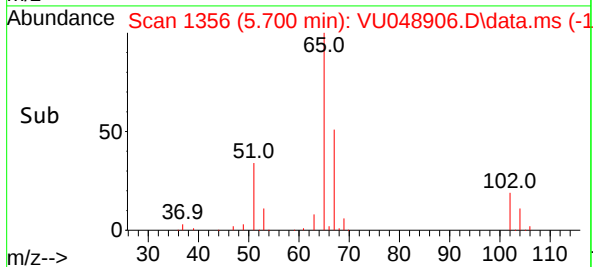
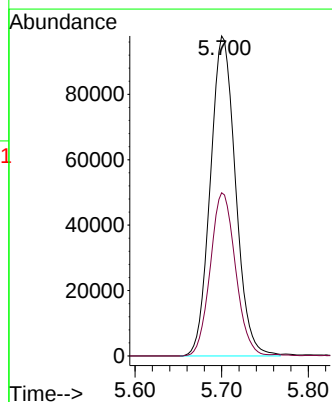
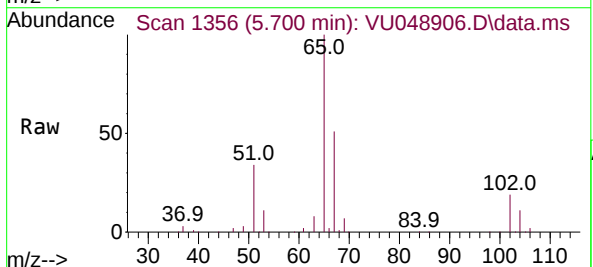
Instrument :
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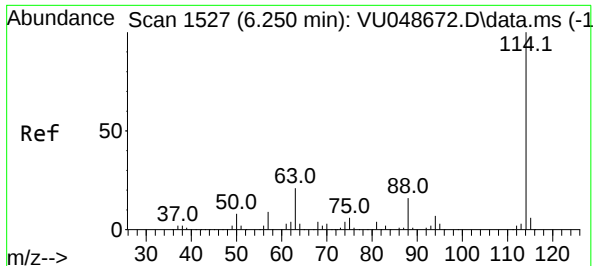
Tgt Ion: 56 Resp: 6033
Ion Ratio Lower Upper
56 100
69 181.5 25.6 38.4#
84 123.9 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 49.323 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 65 Resp: 197634
Ion Ratio Lower Upper
65 100
67 51.0 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: VU048906.D

Acq: 07 Jun 2022 13:51

Instrument :

MSVOA_U

ClientSampleId :

63BR-20220531

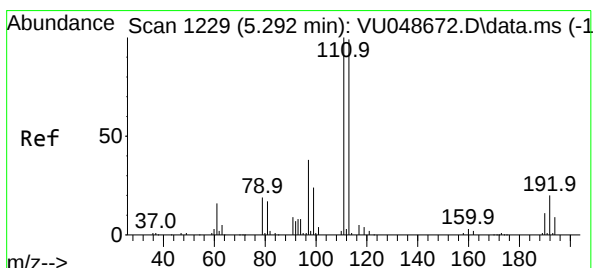
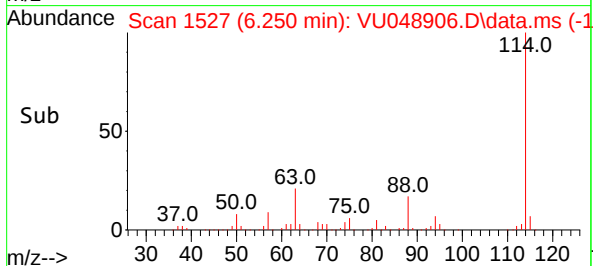
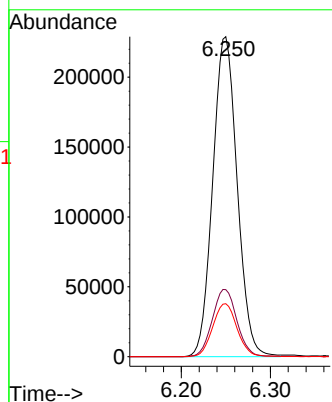
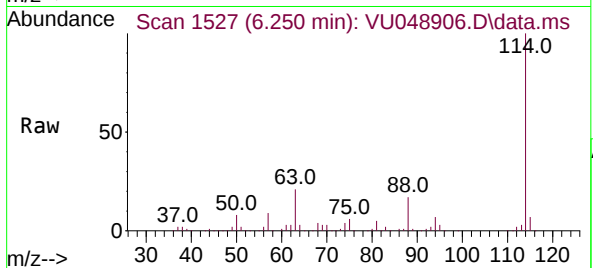
Tgt Ion:114 Resp: 436072

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 16.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.807 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048906.D

Acq: 07 Jun 2022 13:51

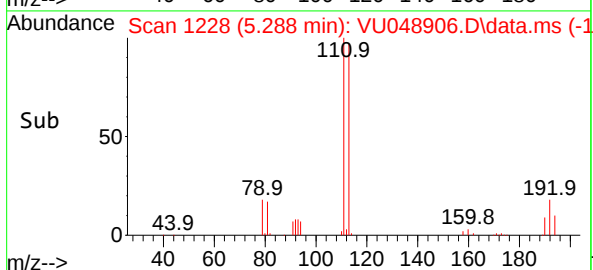
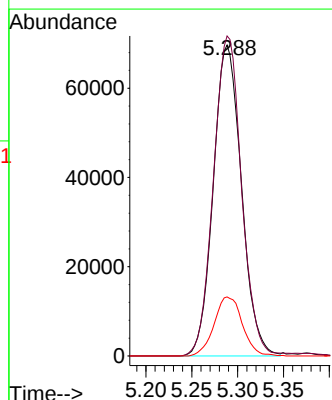
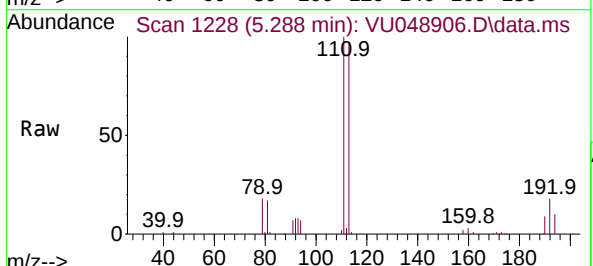
Tgt Ion:113 Resp: 148728

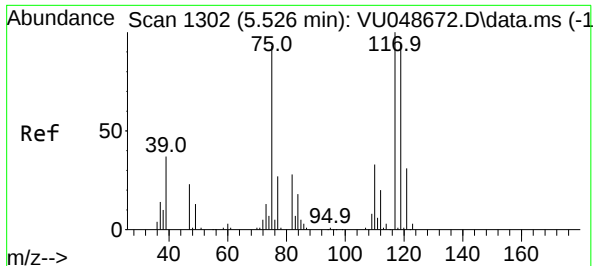
Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

192 19.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU048906.D

Acq: 07 Jun 2022 13:51

Instrument :

MSVOA_U

ClientSampleId :

63BR-20220531

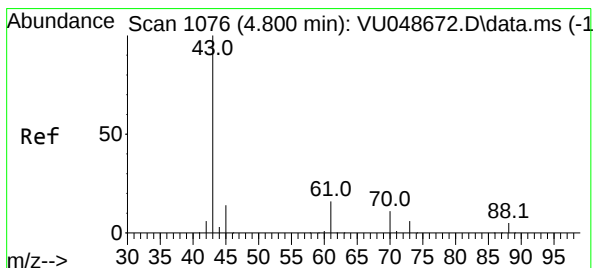
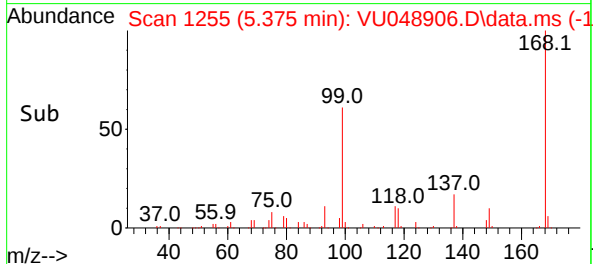
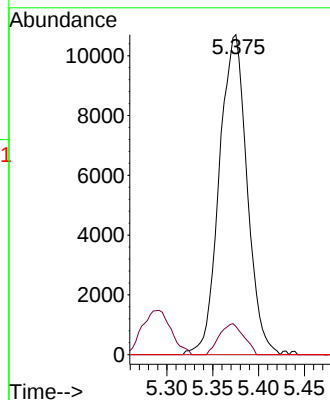
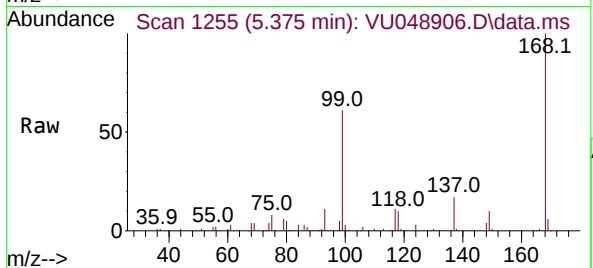
Tgt Ion: 75 Resp: 22545

Ion Ratio Lower Upper

75 100

110 8.5 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 104.854 ug/l

RT: 4.800 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VU048906.D

Acq: 07 Jun 2022 13:51

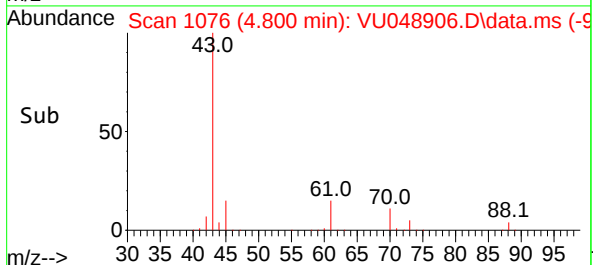
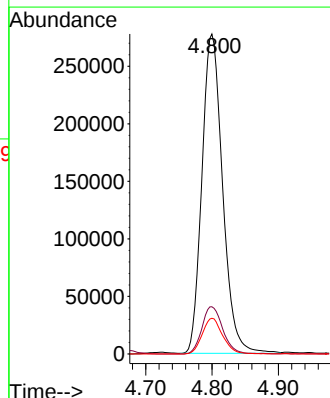
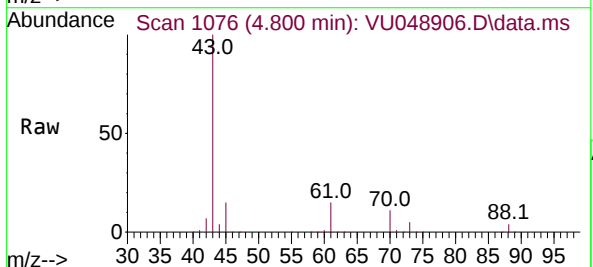
Tgt Ion: 43 Resp: 601868

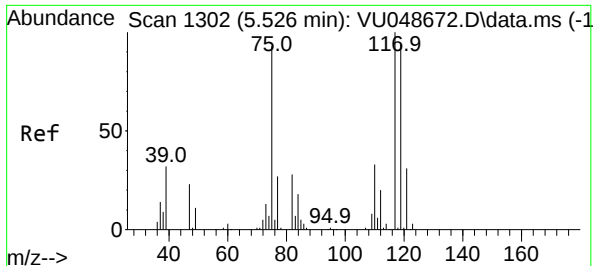
Ion Ratio Lower Upper

43 100

61 14.9 11.7 17.5

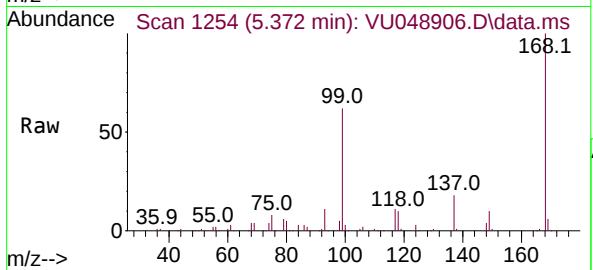
70 11.1 8.4 12.6



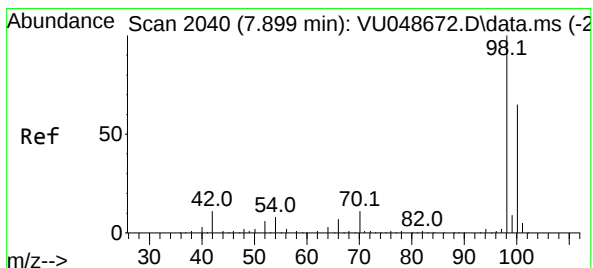
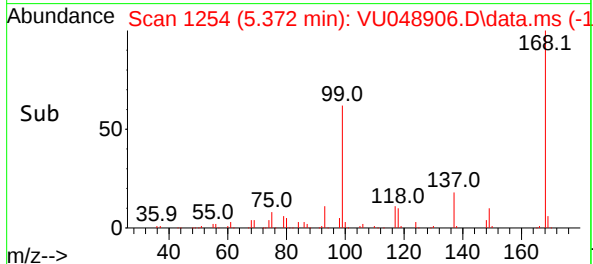
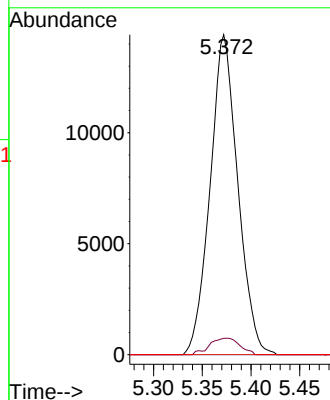


#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

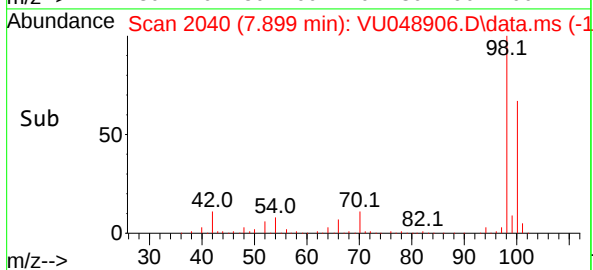
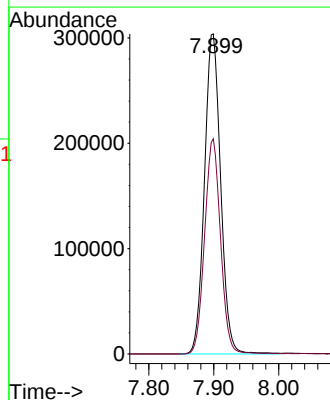
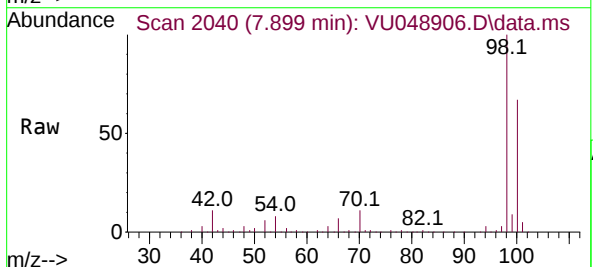


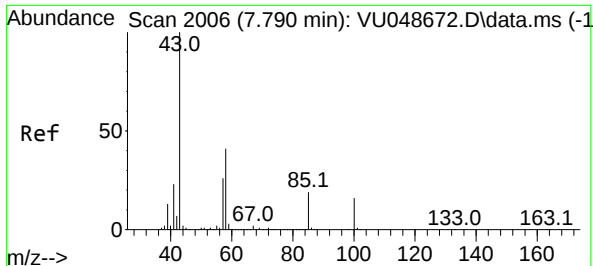
Tgt Ion:117 Resp: 28517
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.381 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 98 Resp: 528390
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4

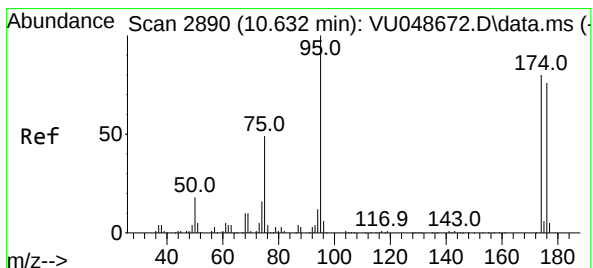
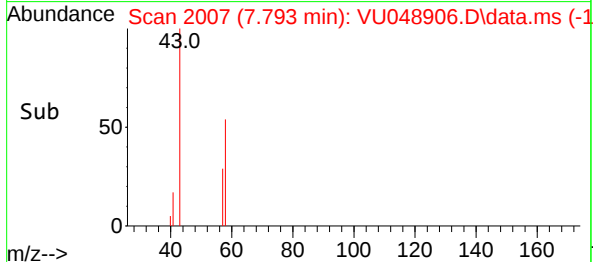
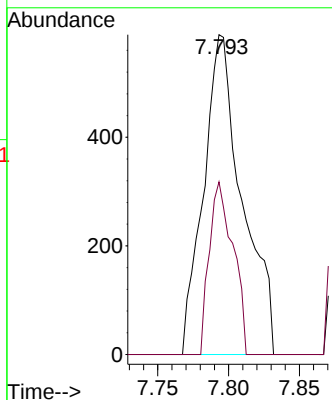
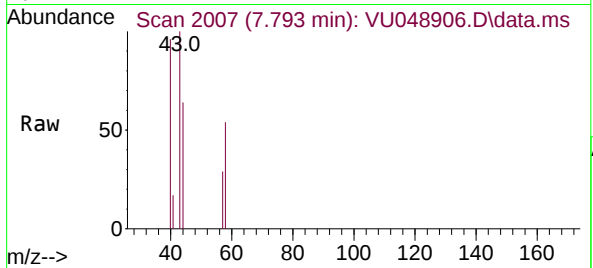




#51
4-Methyl-2-Pentanone
Concen: 0.207 ug/l
RT: 7.793 min Scan# 2006
Delta R.T. 0.003 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

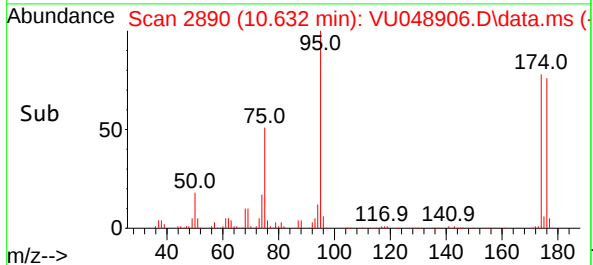
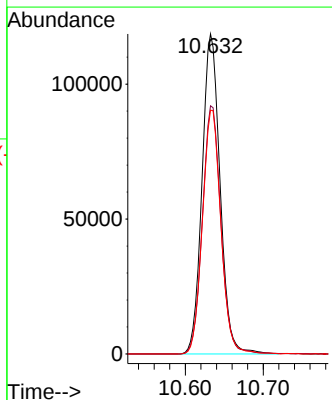
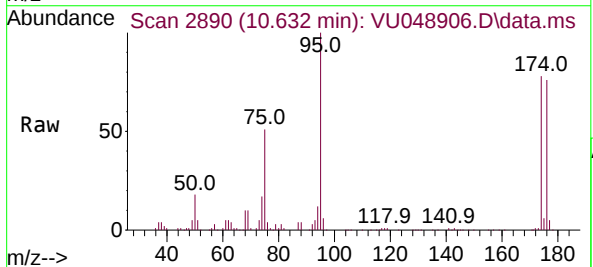
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

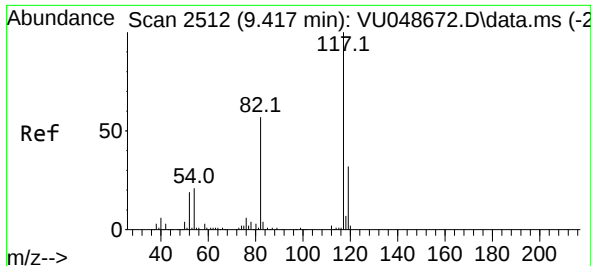
Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
58 33.2 32.7 49.1



#62
4-Bromofluorobenzene
Concen: 45.167 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 95 Resp: 190494
Ion Ratio Lower Upper
95 100
174 79.5 0.0 159.4
176 77.9 0.0 152.4

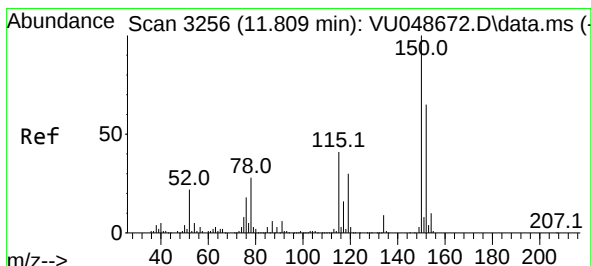
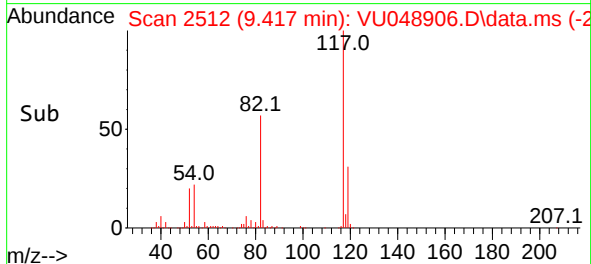
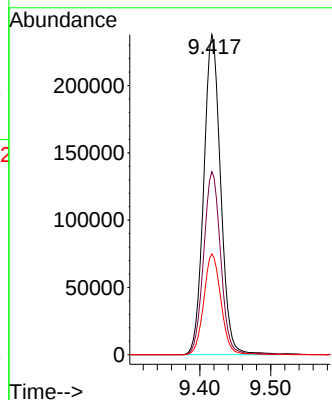
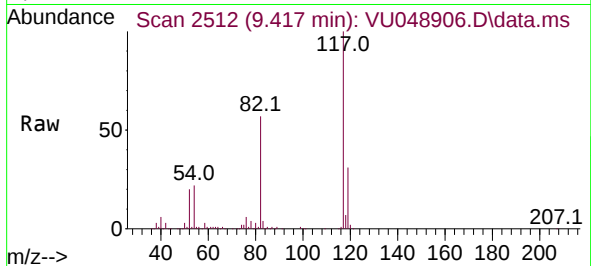




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

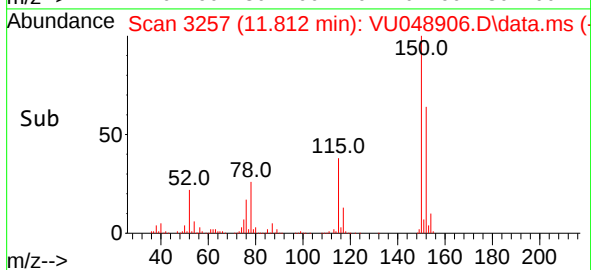
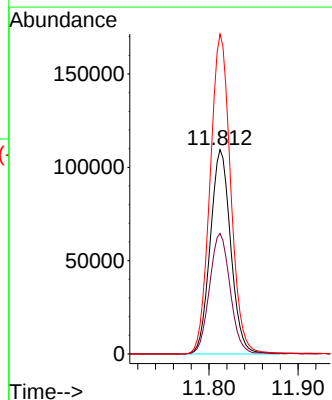
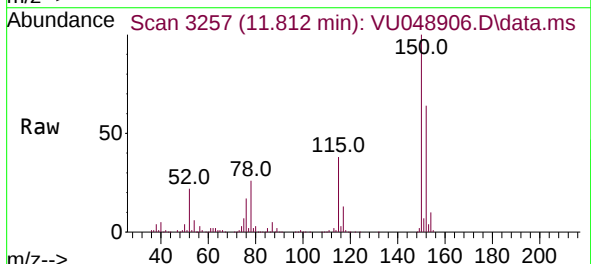
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

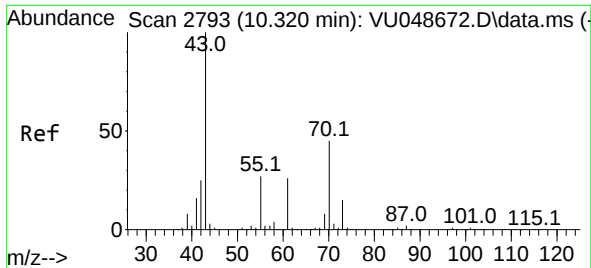
Tgt Ion:117 Resp: 394145
Ion Ratio Lower Upper
117 100
82 57.2 45.3 67.9
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion:152 Resp: 174611
Ion Ratio Lower Upper
152 100
115 59.7 41.8 125.4
150 157.5 0.0 341.0

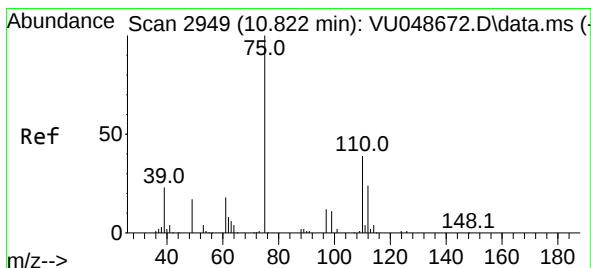
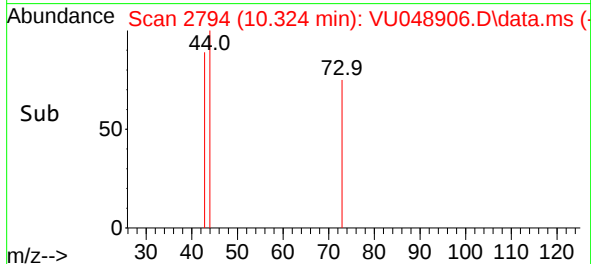
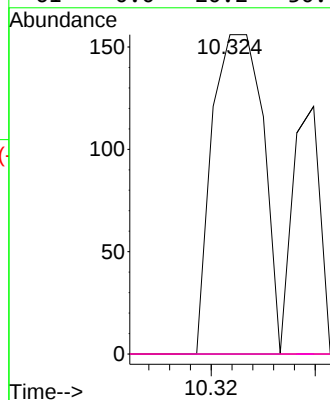
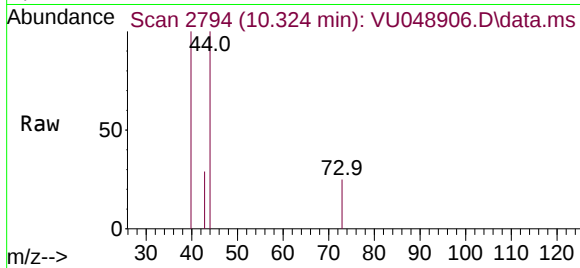




#74
N-amy1 acetate
Concen: 2.485 ug/l
RT: 10.324 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

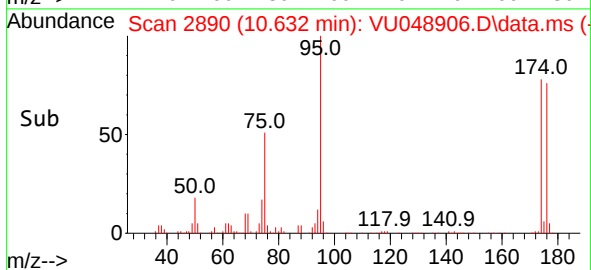
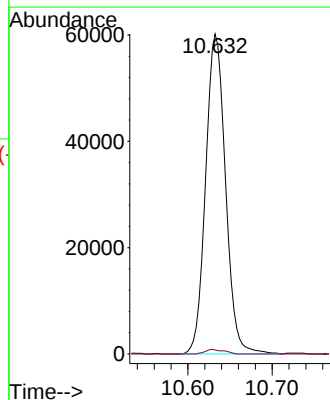
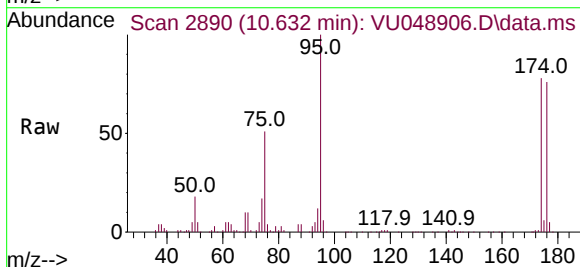
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

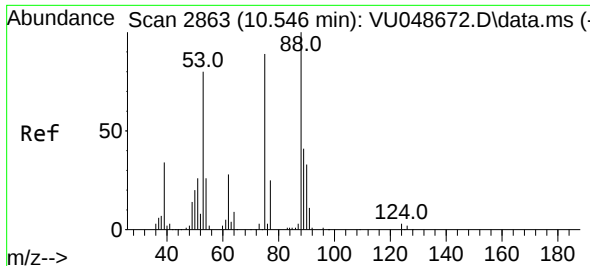
Tgt Ion: 43	Resp:	106
Ion	Ratio	Lower Upper
43	100	
70	0.0	35.8 53.6#
55	0.0	21.1 31.7#
61	0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.580 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 75	Resp:	98976
Ion	Ratio	Lower Upper
75	100	
77	1.3	14.8 44.3#

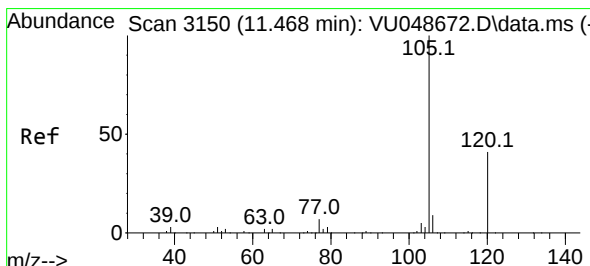
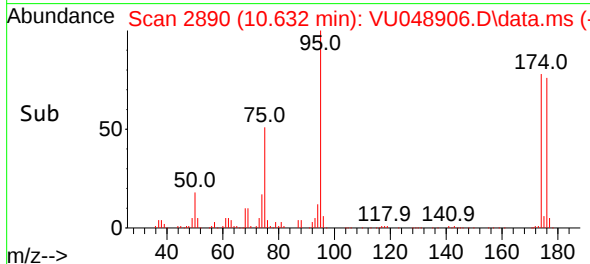
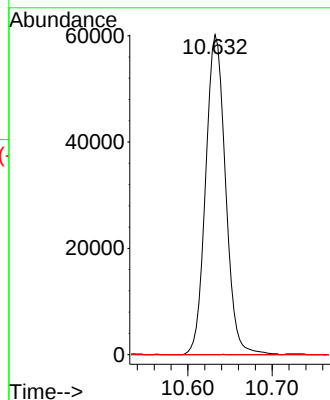
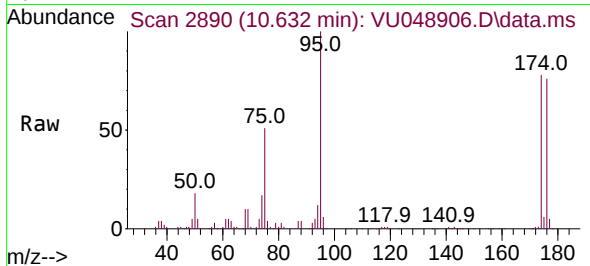




#81
trans-1,4-Dichloro-2-butene
Concen: 63.832 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

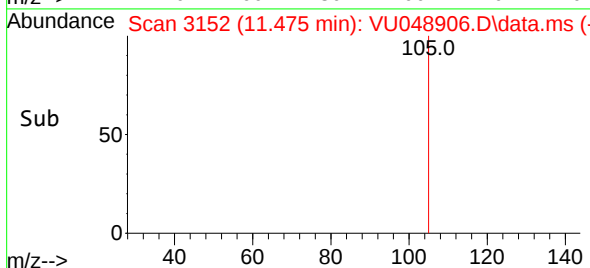
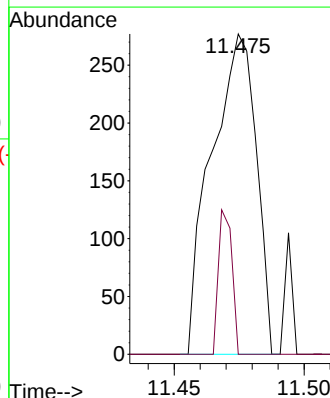
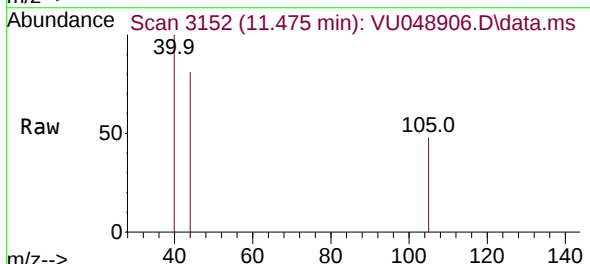
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

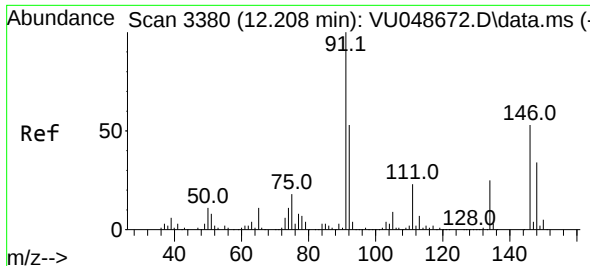
Tgt Ion: 75 Resp: 98976
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.218 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048906.D
Acq: 07 Jun 2022 13:51

Tgt Ion: 105 Resp: 332
Ion Ratio Lower Upper
105 100
120 13.6 22.5 67.5#





#89

n-Butylbenzene

Concen: 2.226 ug/l

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU048906.D

Acq: 07 Jun 2022 13:51

Instrument :

MSVOA_U

ClientSampleId :

63BR-20220531

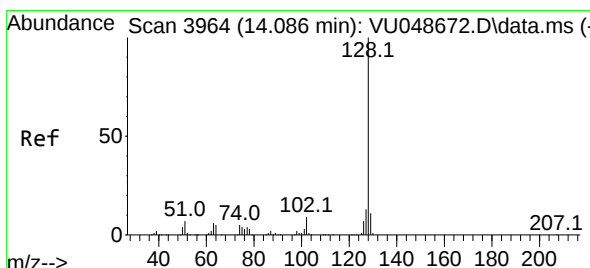
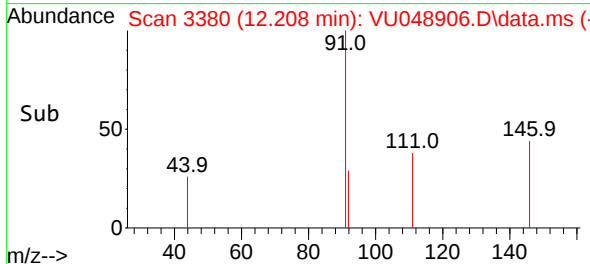
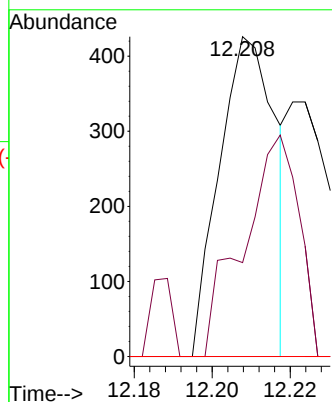
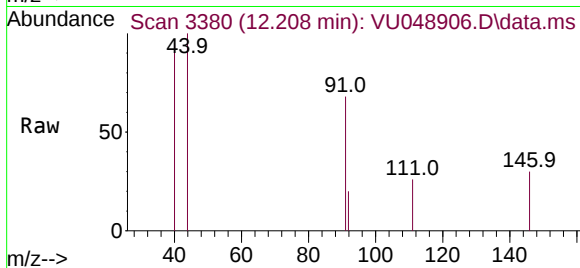
Tgt Ion: 91 Resp: 426

Ion Ratio Lower Upper

91 100

92 68.8 25.9 77.8

134 0.0 12.5 37.5#



#95

Naphthalene

Concen: 2.862 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

Lab File: VU048906.D

Acq: 07 Jun 2022 13:51

Tgt Ion:128 Resp: 4766

Ion Ratio Lower Upper

128 100

127 6.6 10.2 15.4#

129 8.2 8.7 13.1#

