

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U060722\
 Data File : U048907.D
 Acq On : 07 Jun 2022 14:15
 Operator : SY/MD
 Sample : N3165-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 60BR-20220531

Quant Time: Jun 08 04:51:57 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)

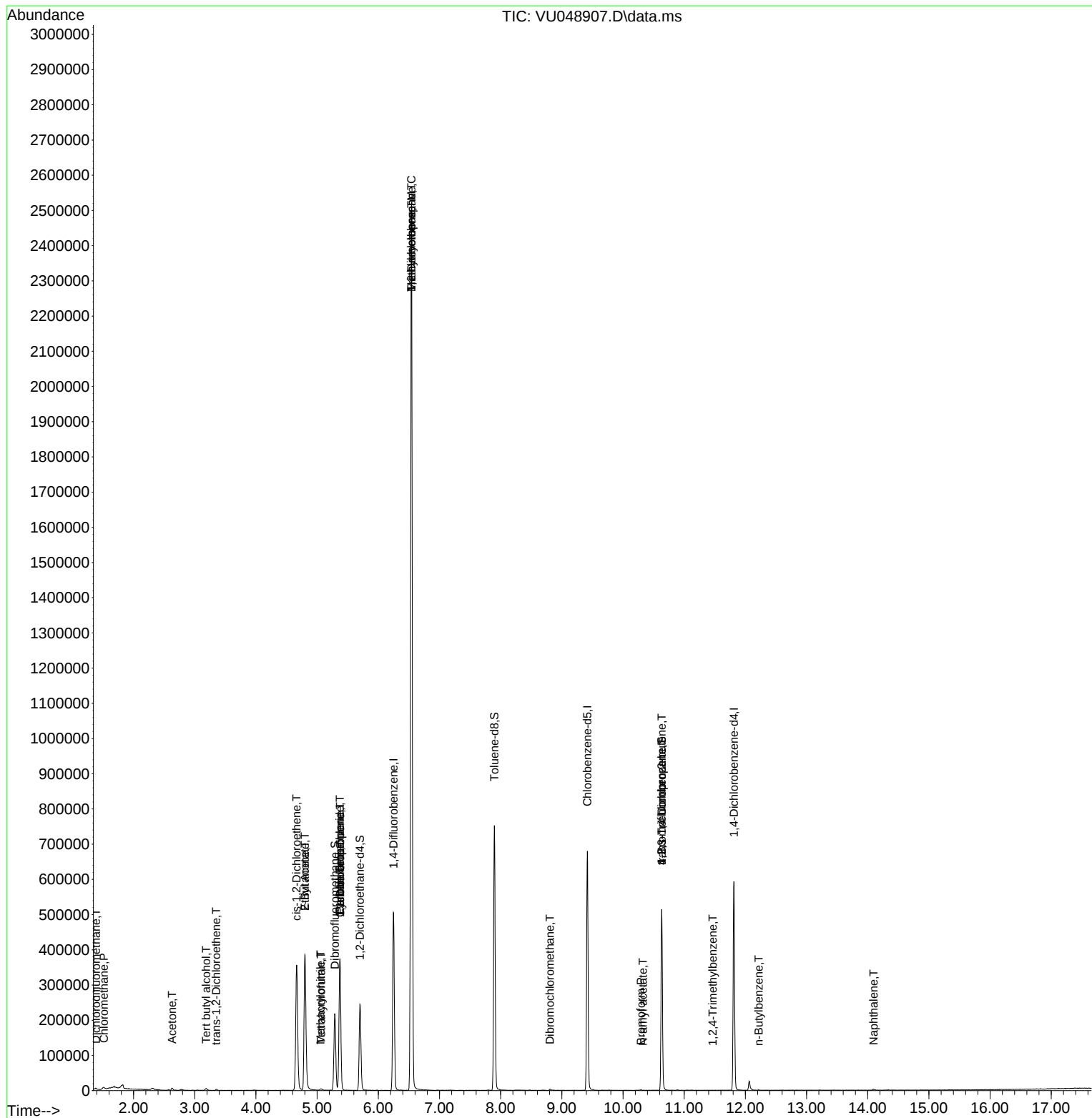
Internal Standards						
1) Pentafluorobenzene	5.372	168	252242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	403189	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	368204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	159784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	186129	49.134	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.260%
35) Dibromofluoromethane	5.289	113	140733	48.926	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.860%
50) Toluene-d8	7.896	98	502806	48.764	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.520%
62) 4-Bromofluorobenzene	10.632	95	171217	43.907	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.820%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	2017	0.698	ug/l	99
3) Chloromethane	1.517	50	1160	0.312	ug/l #	87
5) Bromomethane	1.851	94	165	Below Cal		95
6) Chloroethane	1.916	64	320	Below Cal	#	68
11) Tert butyl alcohol	3.189	59	3833	3.991	ug/l #	28
16) Acetone	2.629	43	7819	4.050	ug/l	91
21) trans-1,2-Dichloroethene	3.350	96	1450	0.494	ug/l #	78
25) 2-Butanone	4.800	43	509423	183.680	ug/l #	49
27) cis-1,2-Dichloroethene	4.665	96	184572	54.299	ug/l	88
29) Tetrahydrofuran	5.067	42	3315	1.898	ug/l	91
31) Cyclohexane	5.375	56	5339	1.118	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	21019	5.007	ug/l #	50
37) Ethyl Acetate	4.800	43	509423	95.987	ug/l	99
38) Carbon Tetrachloride	5.372	117	26309	5.462	ug/l #	17
39) Methylcyclohexane	6.539	83	10591	2.406	ug/l #	1
41) Methacrylonitrile	5.057	41	1897	0.707	ug/l #	39
44) Trichloroethene	6.543	130	839265	262.837	ug/l	100
45) 1,2-Dichloropropane	6.543	63	2783	0.892	ug/l #	1
60) Dibromochloromethane	8.806	129	1903	0.519	ug/l	100
71) Bromoform	10.295	173	964	0.353	ug/l #	94
74) N-amyl acetate	10.324	43	72	2.480	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	87293	16.944	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	87293	61.522	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	129	1.200	ug/l #	31
89) n-Butylbenzene	12.218	91	441	2.231	ug/l #	77
95) Naphthalene	14.098	128	3605	2.805	ug/l #	93

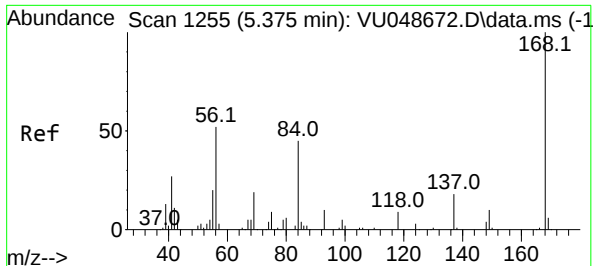
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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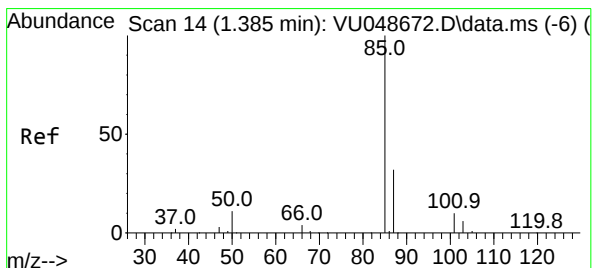
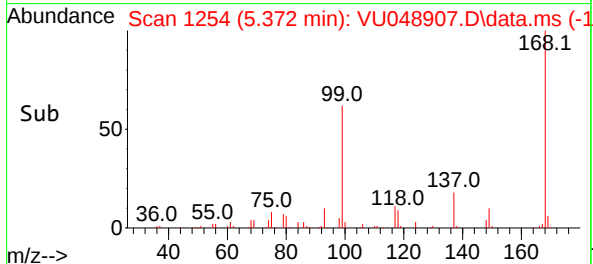
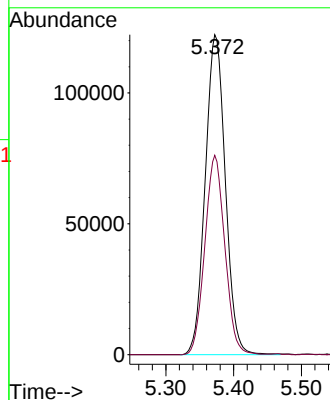
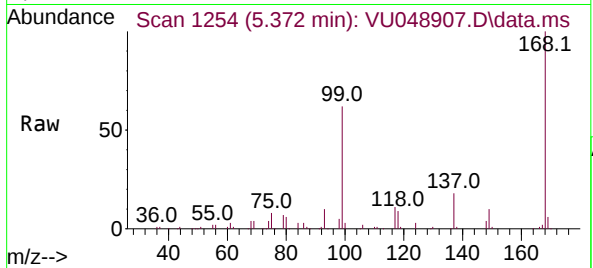




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

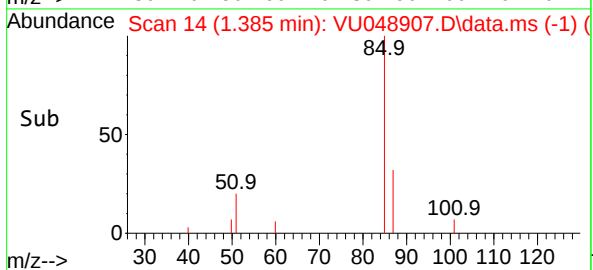
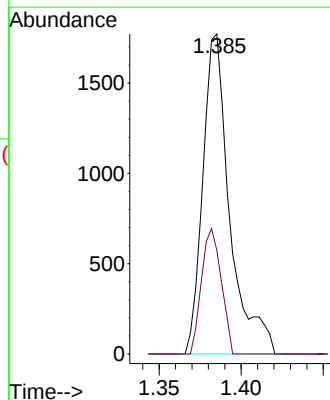
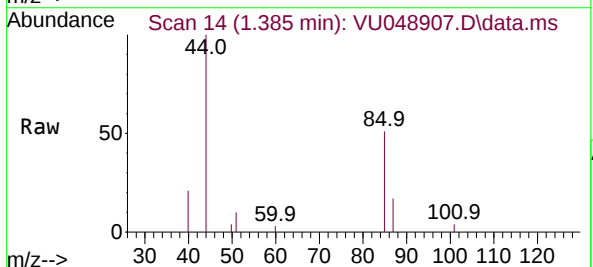
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

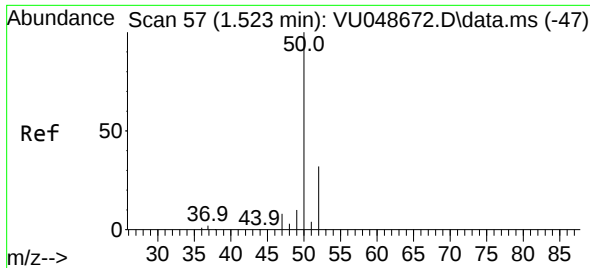
Tgt Ion:168 Resp: 252242
Ion Ratio Lower Upper
168 100
99 62.3 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 0.698 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 85 Resp: 2017
Ion Ratio Lower Upper
85 100
87 32.4 16.0 48.0

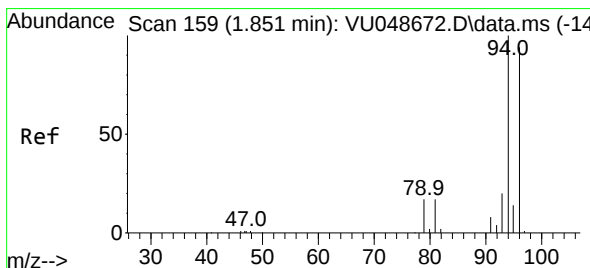
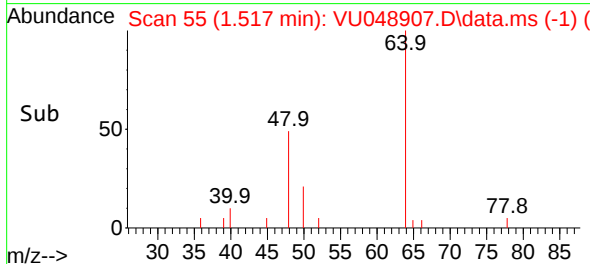
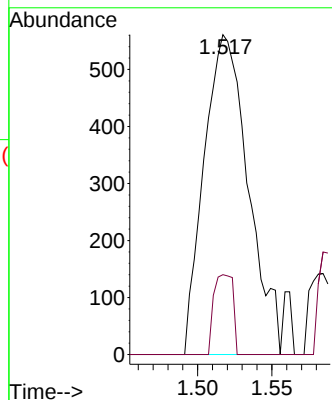
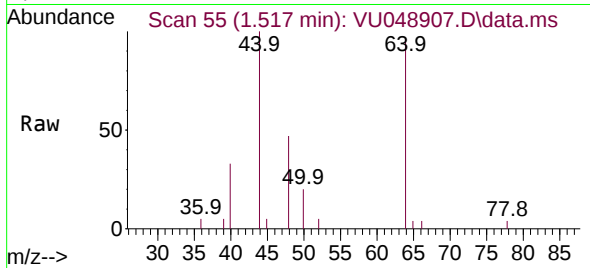




#3
Chloromethane
Concen: 0.312 ug/l
RT: 1.517 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

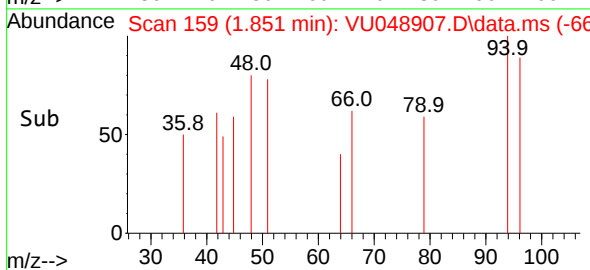
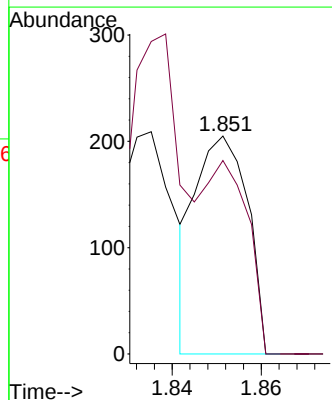
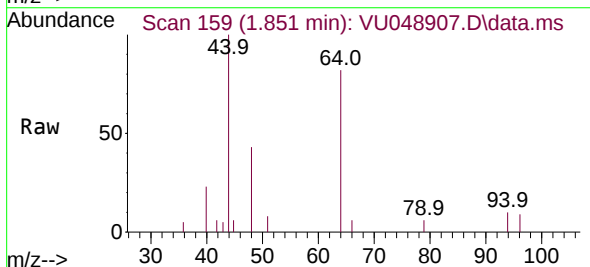
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

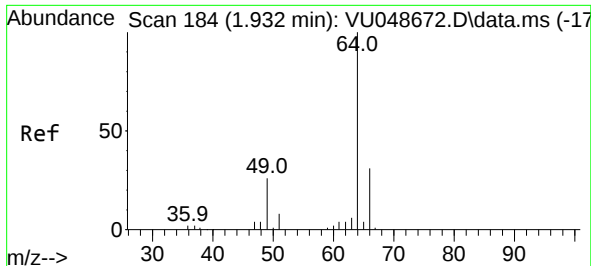
Tgt Ion: 50 Resp: 1160
Ion Ratio Lower Upper
50 100
52 25.0 25.7 38.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.851 min Scan# 159
Delta R.T. 0.000 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 94 Resp: 165
Ion Ratio Lower Upper
94 100
96 88.8 75.1 112.7

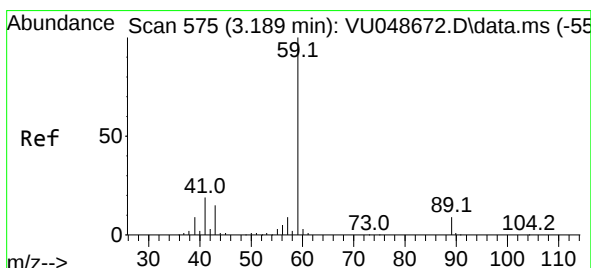
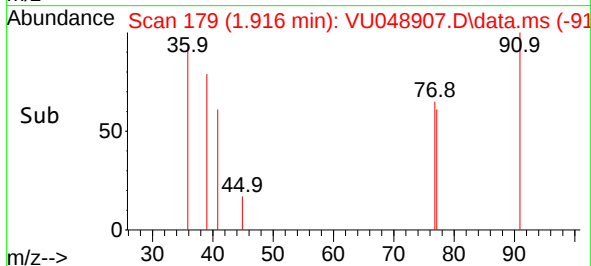
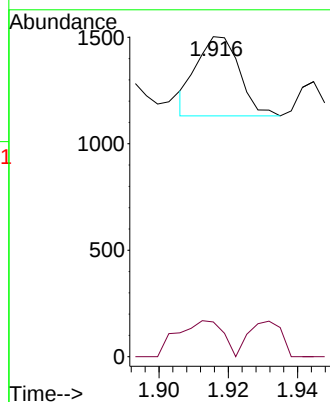
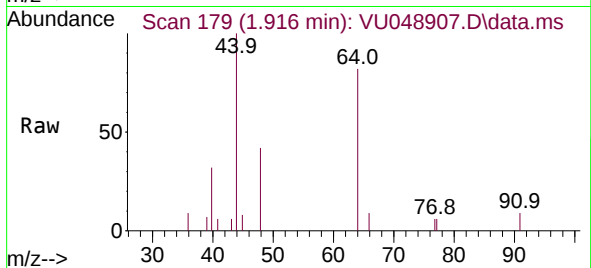




#6
Chloroethane
Concen: Below Cal
RT: 1.916 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

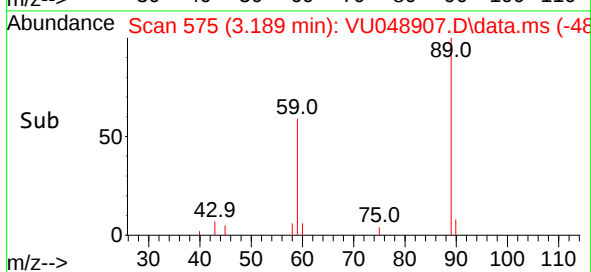
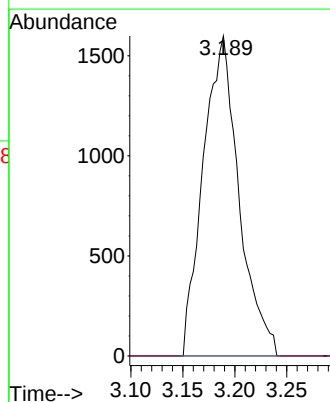
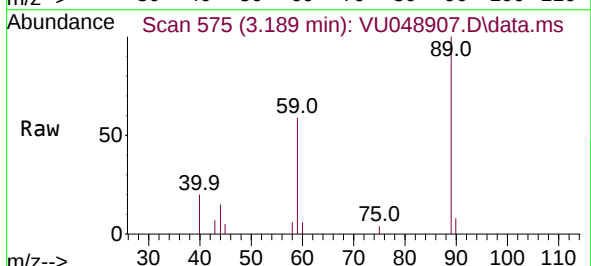
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

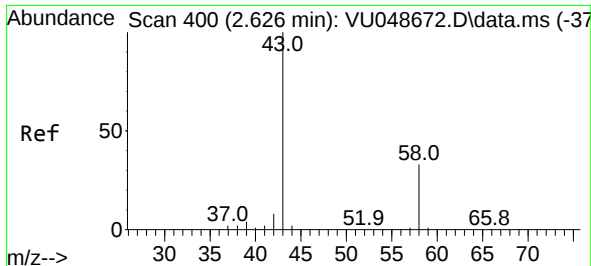
Tgt Ion: 64 Resp: 320
Ion Ratio Lower Upper
64 100
66 13.7 25.2 37.8#



#11
Tert butyl alcohol
Concen: 3.991 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.000 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 59 Resp: 3833
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

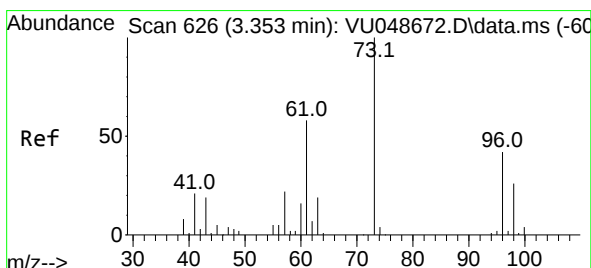
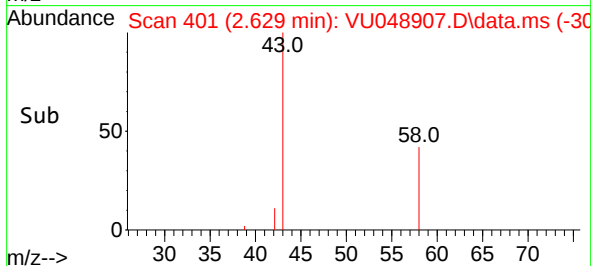
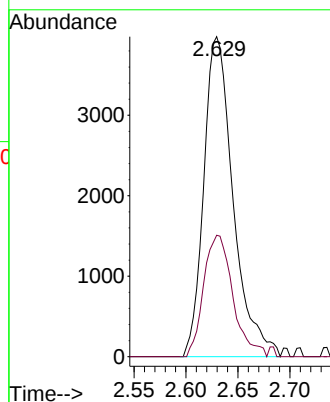
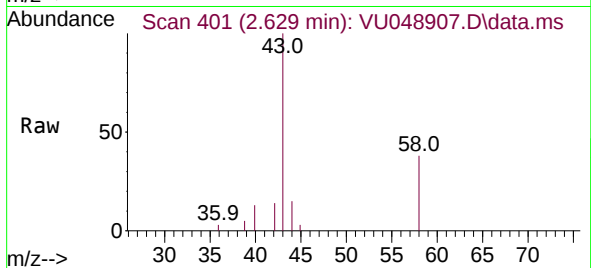




#16
Acetone
Concen: 4.050 ug/l
RT: 2.629 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

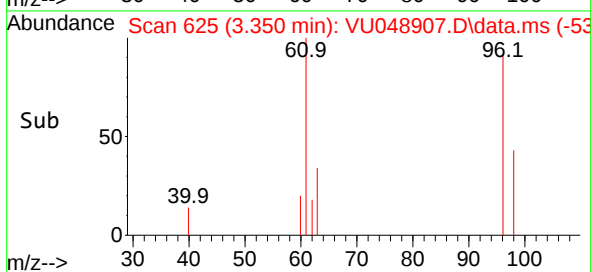
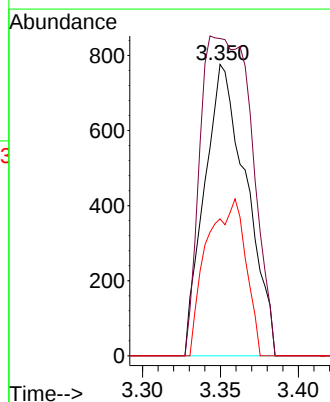
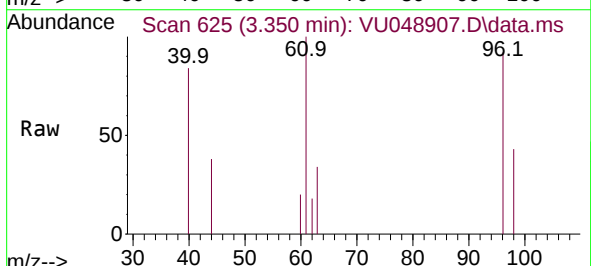
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

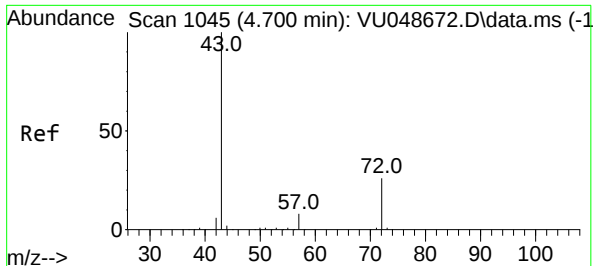
Tgt Ion: 43 Resp: 7819
Ion Ratio Lower Upper
43 100
58 38.0 26.3 39.5



#21
trans-1,2-Dichloroethene
Concen: 0.494 ug/l
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 96 Resp: 1450
Ion Ratio Lower Upper
96 100
61 108.9 109.4 164.2#
98 47.0 48.9 73.3#





#25

2-Butanone

Concen: 183.680 ug/l

RT: 4.800 min Scan# 10

Delta R.T. 0.100 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

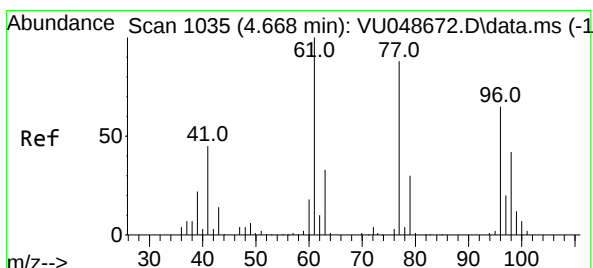
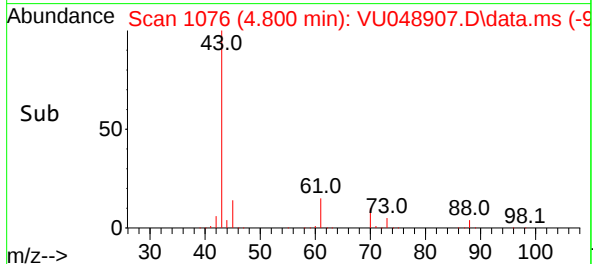
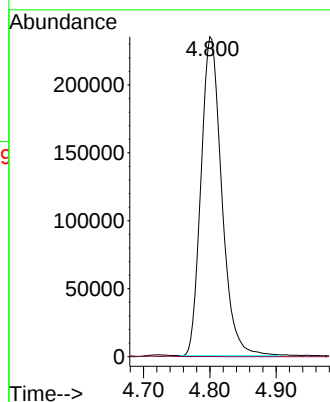
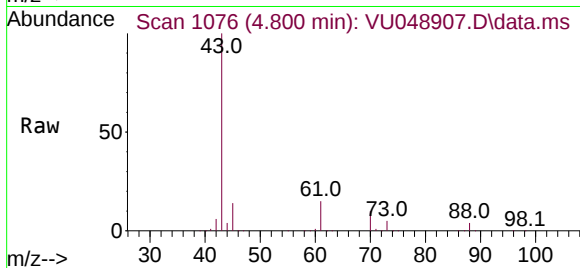
60BR-20220531

Tgt Ion: 43 Resp: 509423

Ion Ratio Lower Upper

43 100

72 0.1 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 54.299 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

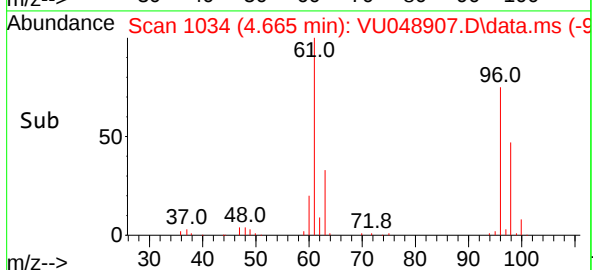
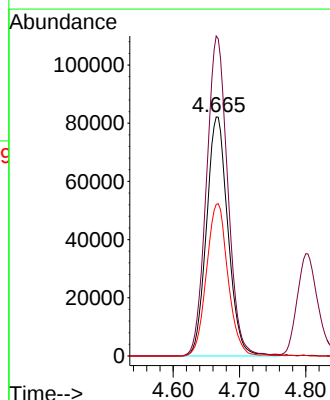
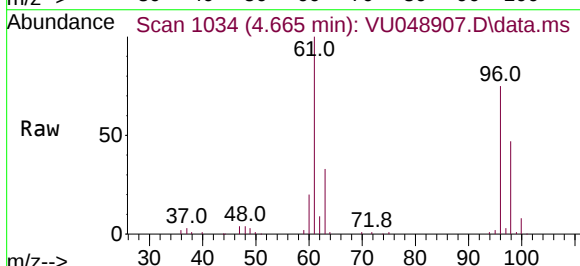
Tgt Ion: 96 Resp: 184572

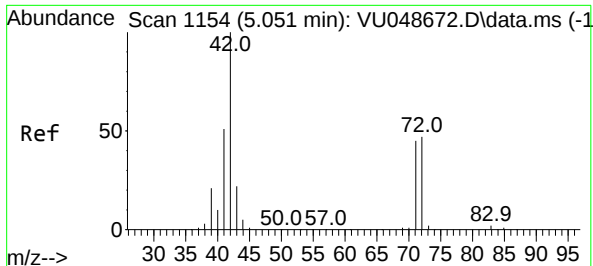
Ion Ratio Lower Upper

96 100

61 132.7 0.0 306.2

98 63.7 0.0 130.4





#29

Tetrahydrofuran

Concen: 1.898 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.016 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

60BR-20220531

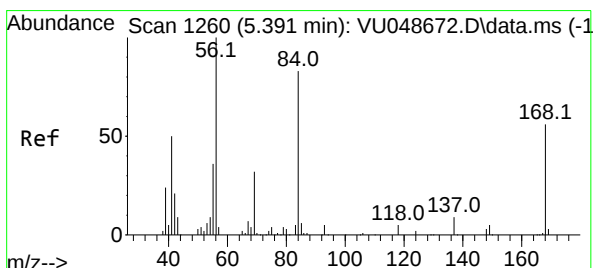
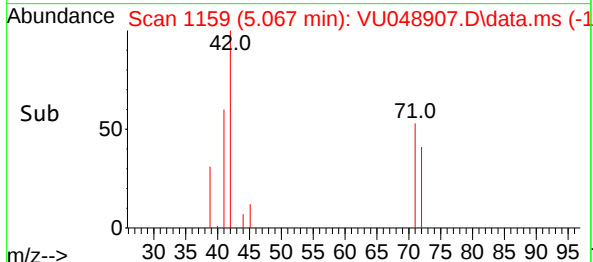
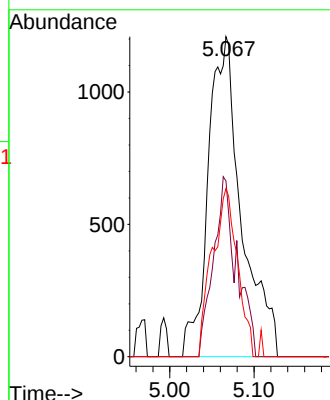
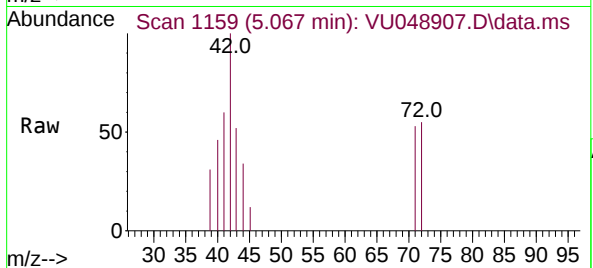
Tgt Ion: 42 Resp: 3315

Ion Ratio Lower Upper

42 100

72 39.4 37.6 56.4

71 40.0 35.0 52.4



#31

Cyclohexane

Concen: 1.118 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

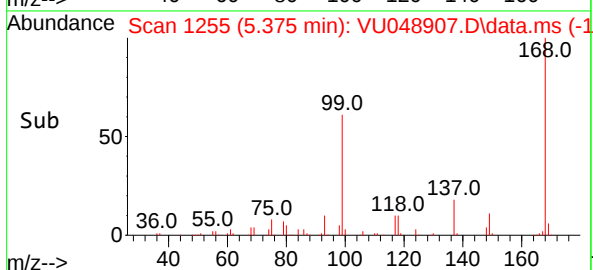
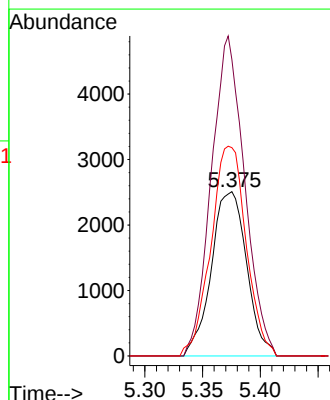
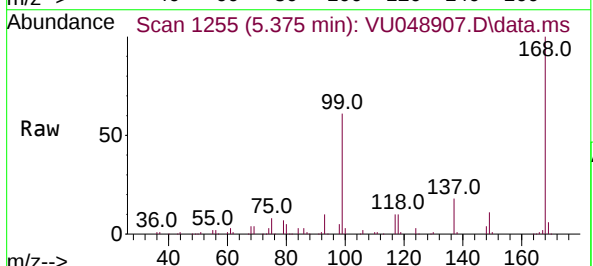
Tgt Ion: 56 Resp: 5339

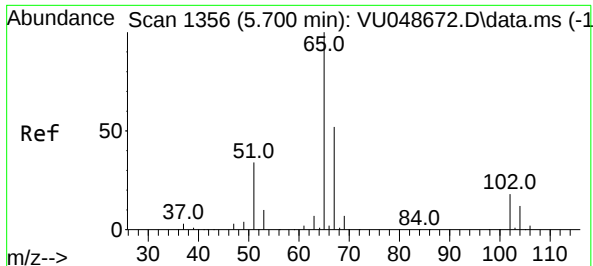
Ion Ratio Lower Upper

56 100

69 180.5 25.6 38.4#

84 126.8 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.134 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

Instrument :

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ClientSampleId :

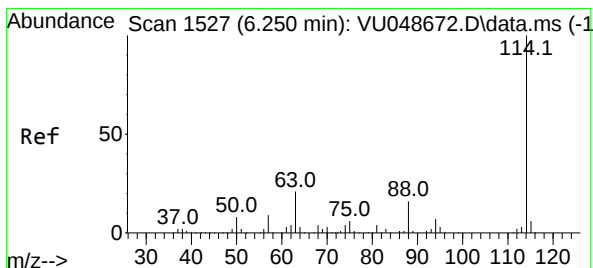
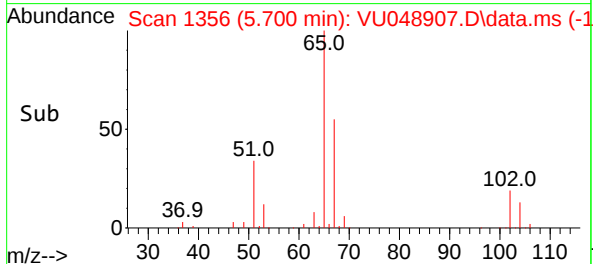
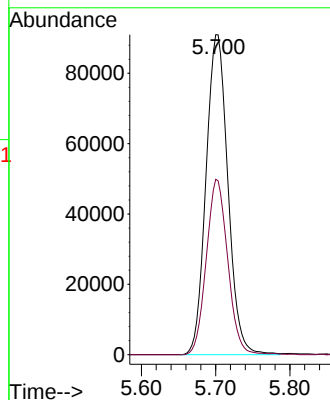
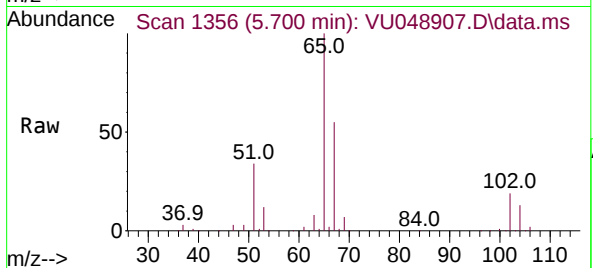
60BR-20220531

Tgt Ion: 65 Resp: 186129

Ion Ratio Lower Upper

65 100

67 53.6 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: VU048907.D

Acq: 07 Jun 2022 14:15

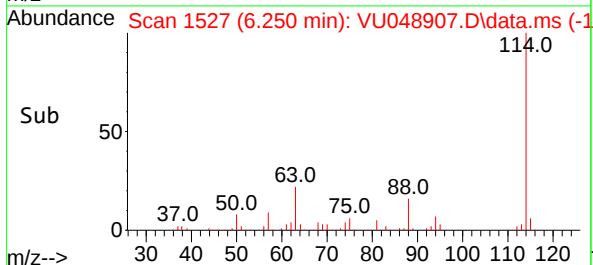
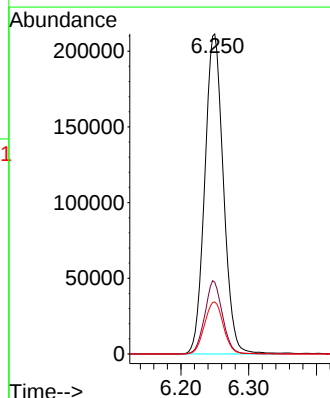
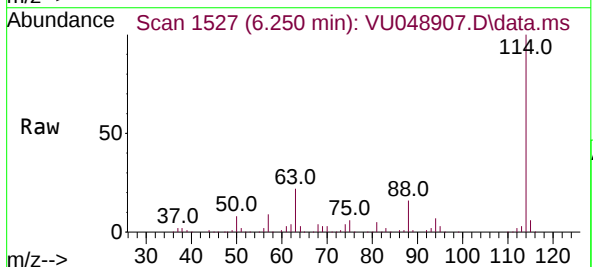
Tgt Ion: 114 Resp: 403189

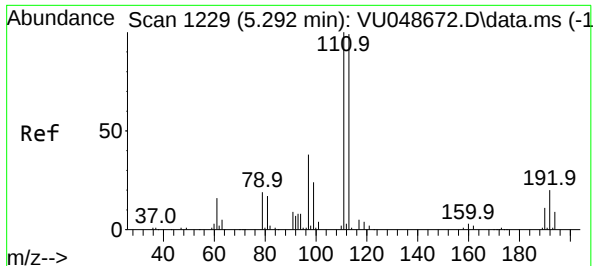
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.926 ug/l

RT: 5.289 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

60BR-20220531

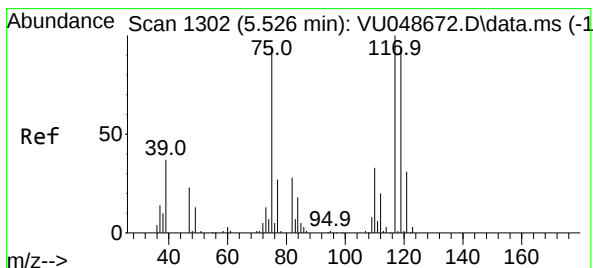
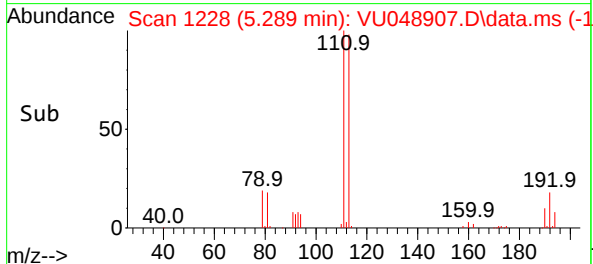
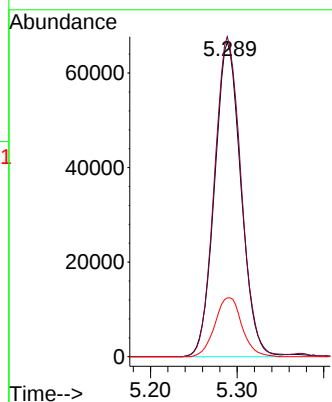
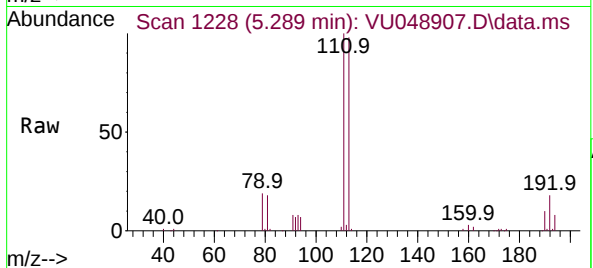
Tgt Ion:113 Resp: 140733

Ion Ratio Lower Upper

113 100

111 102.9 80.7 121.1

192 19.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.007 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

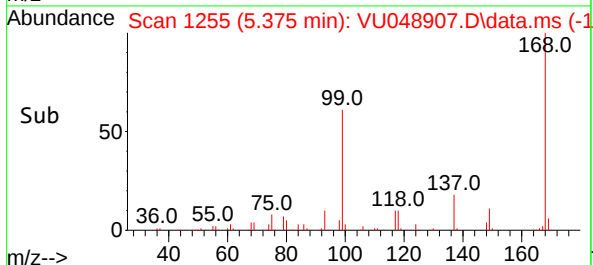
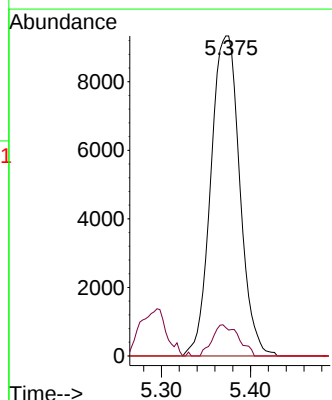
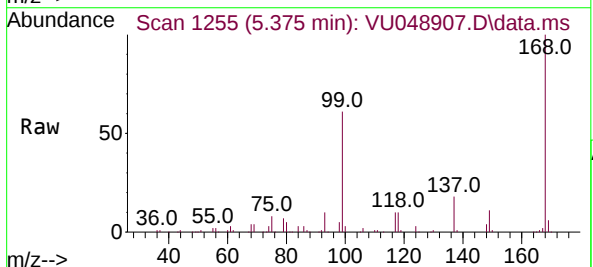
Tgt Ion: 75 Resp: 21019

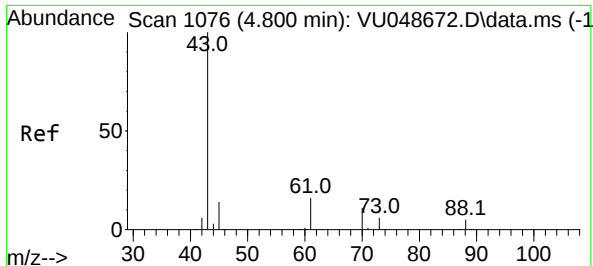
Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 95.987 ug/l

RT: 4.800 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

60BR-20220531

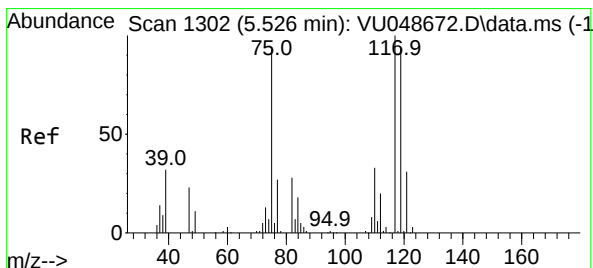
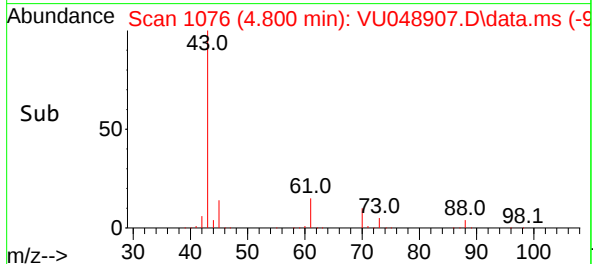
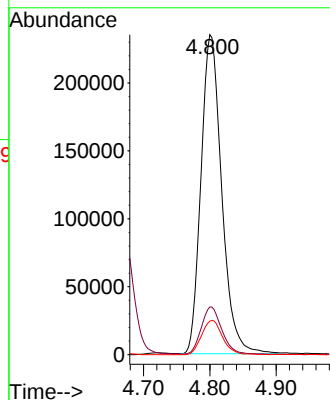
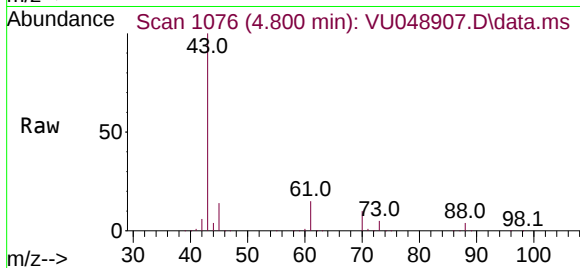
Tgt Ion: 43 Resp: 509423

Ion Ratio Lower Upper

43 100

61 14.7 11.7 17.5

70 10.9 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.462 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

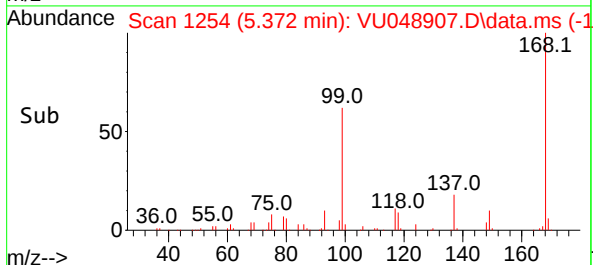
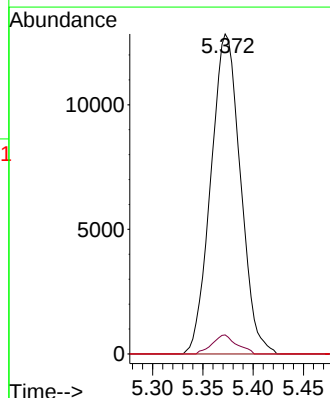
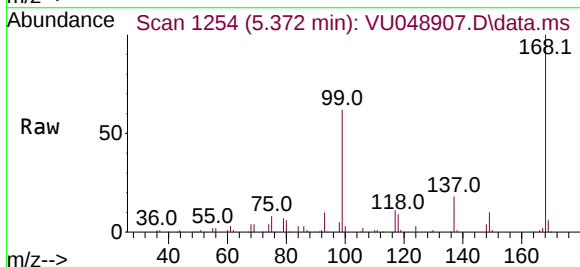
Tgt Ion: 117 Resp: 26309

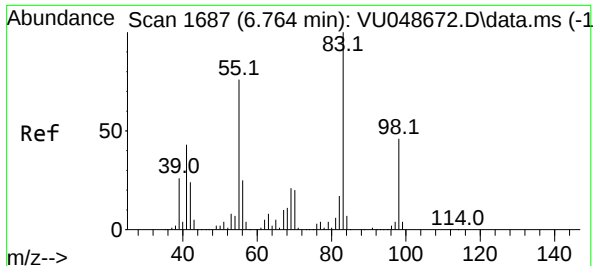
Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.2#

121 0.0 24.6 36.8#





#39

Methylcyclohexane

Concen: 2.406 ug/l

RT: 6.539 min Scan# 1156

Delta R.T. -0.225 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

60BR-20220531

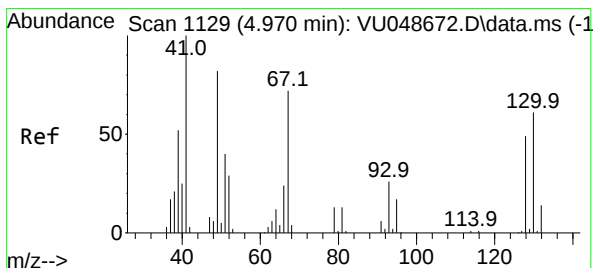
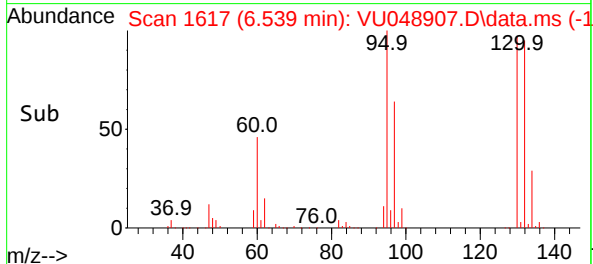
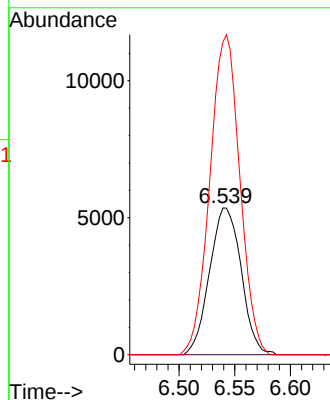
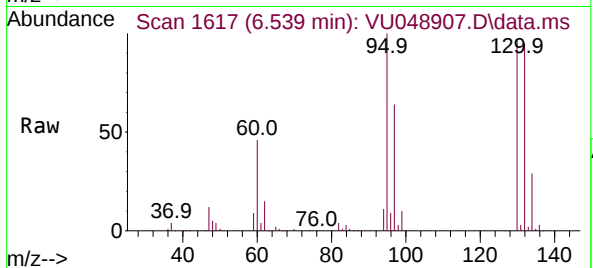
Tgt Ion: 83 Resp: 10591

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.6#

98 213.1 36.8 55.2#



#41

Methacrylonitrile

Concen: 0.707 ug/l

RT: 5.057 min Scan# 1156

Delta R.T. 0.087 min

Lab File: VU048907.D

Acq: 07 Jun 2022 14:15

Tgt Ion: 41 Resp: 1897

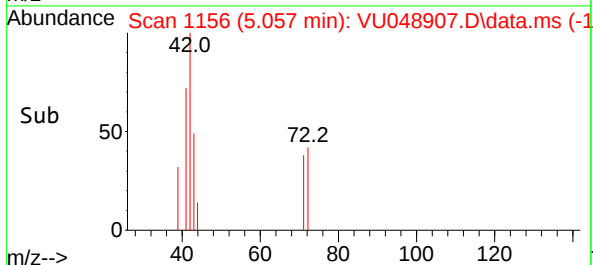
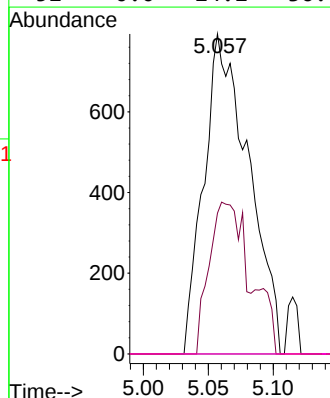
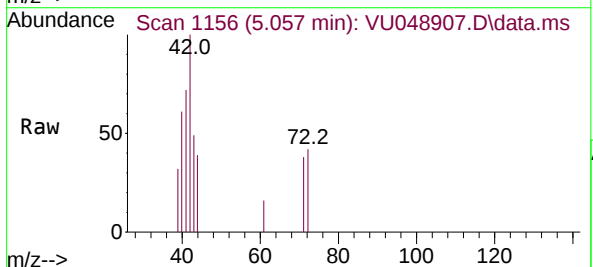
Ion Ratio Lower Upper

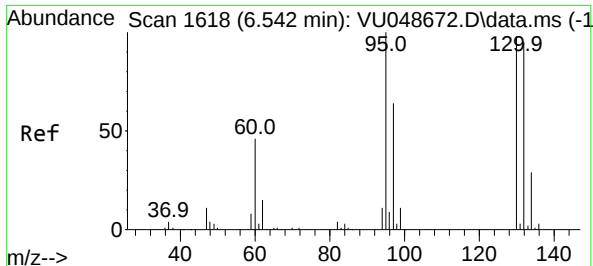
41 100

39 36.2 42.6 64.0#

67 0.0 61.0 91.4#

52 0.0 24.2 36.4#

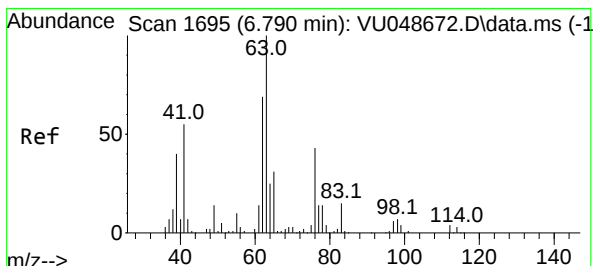
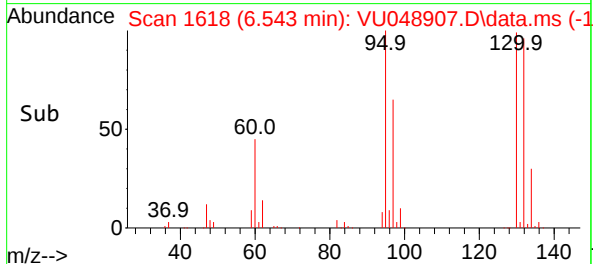
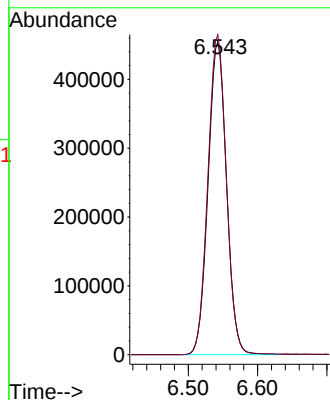
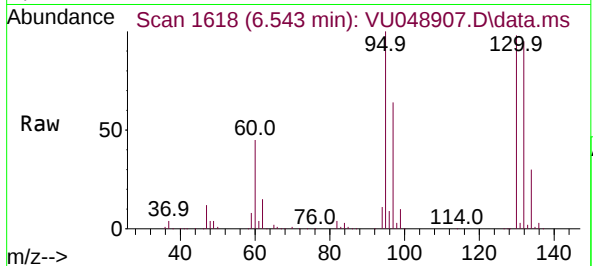




#44
Trichloroethene
Concen: 262.837 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

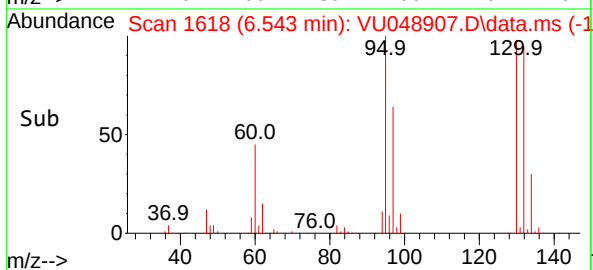
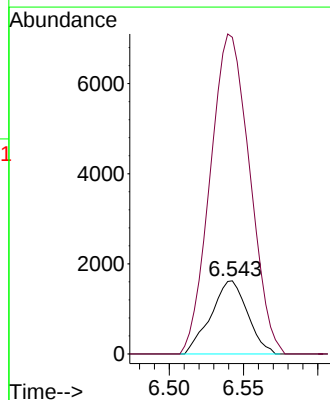
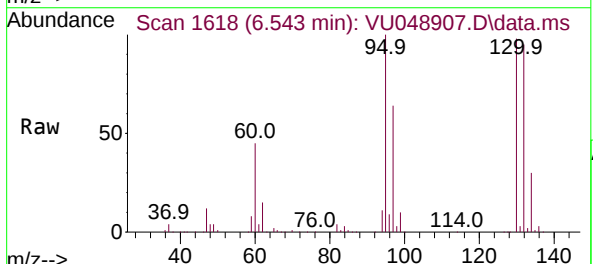
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

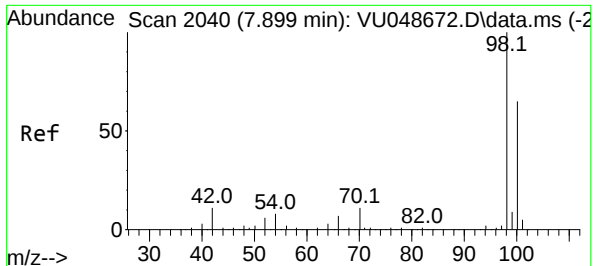
Tgt Ion:130 Resp: 839265
Ion Ratio Lower Upper
130 100
95 102.3 0.0 204.8



#45
1,2-Dichloropropane
Concen: 0.892 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. -0.248 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 63 Resp: 2783
Ion Ratio Lower Upper
63 100
65 433.2 24.8 37.2#

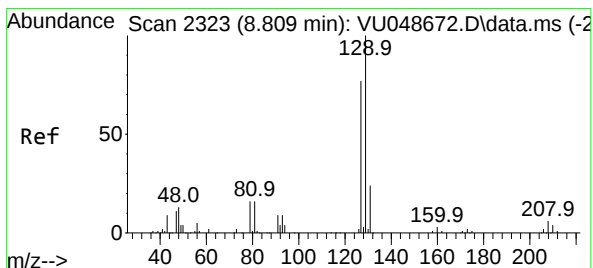
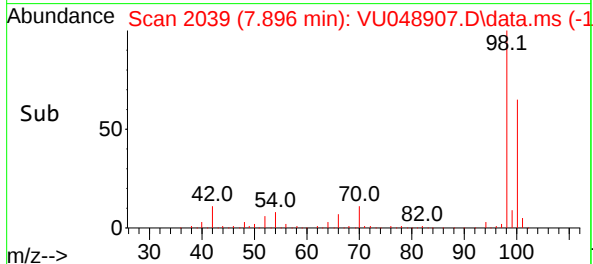
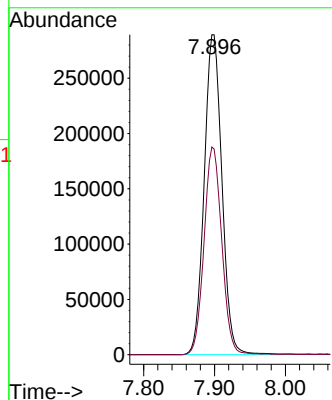
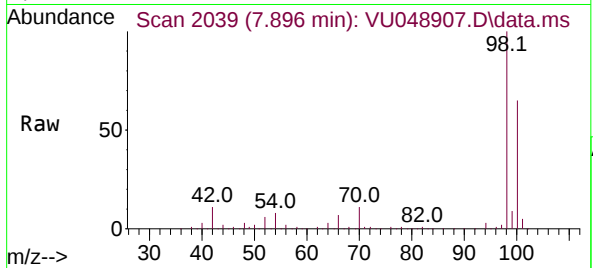




#50
Toluene-d8
Concen: 48.764 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

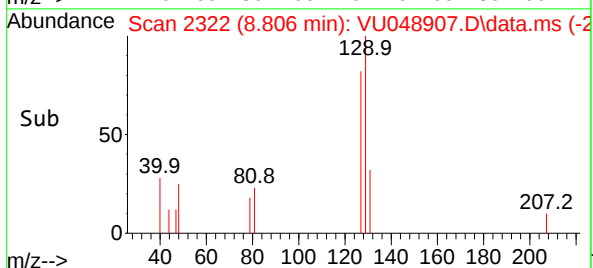
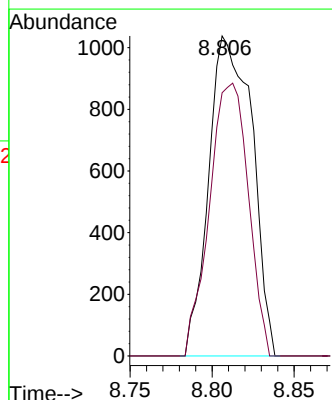
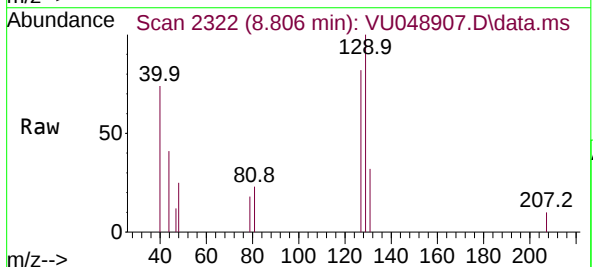
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

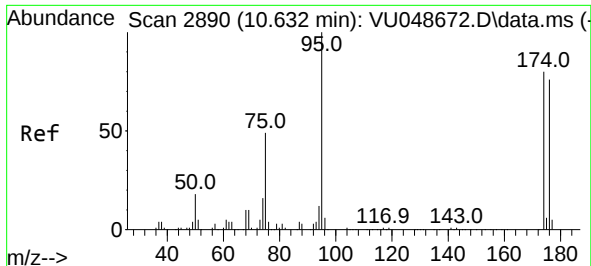
Tgt Ion: 98 Resp: 502806
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#60
Dibromochloromethane
Concen: 0.519 ug/l
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 129 Resp: 1903
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3

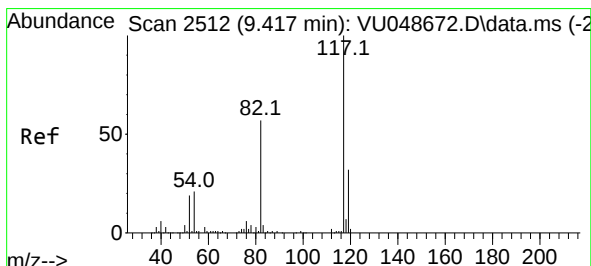
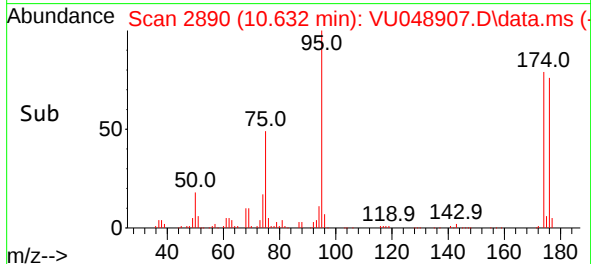
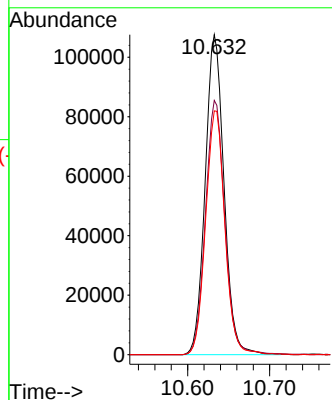
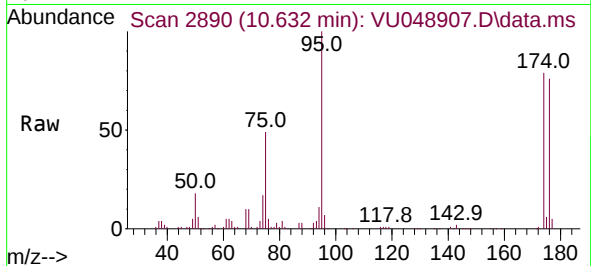




#62
4-Bromofluorobenzene
Concen: 43.907 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

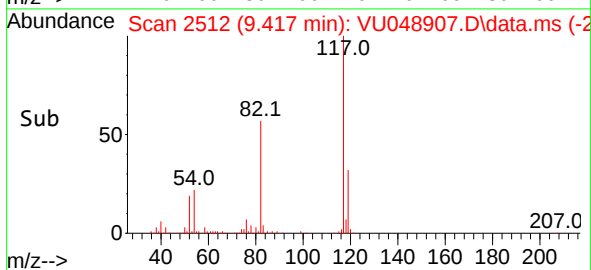
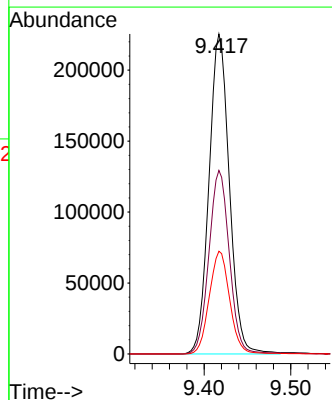
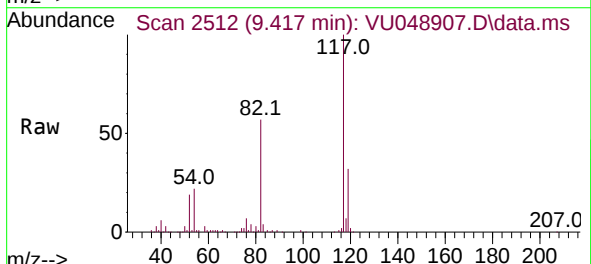
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

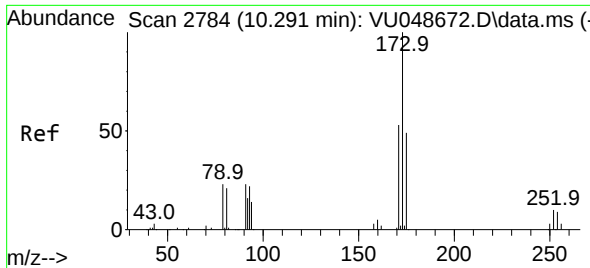
Tgt Ion: 95 Resp: 171217
Ion Ratio Lower Upper
95 100
174 81.9 0.0 159.4
176 77.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 117 Resp: 368204
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 32.1 25.4 38.2

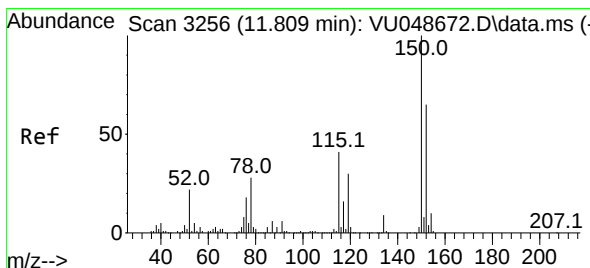
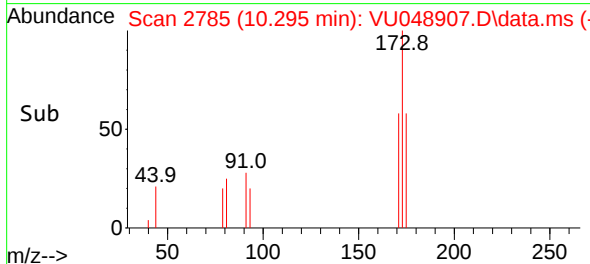
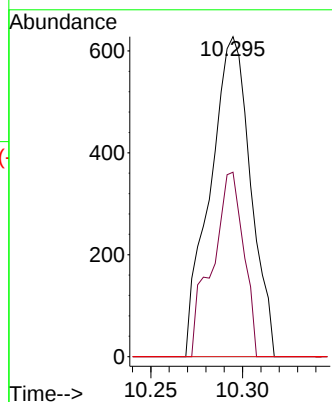
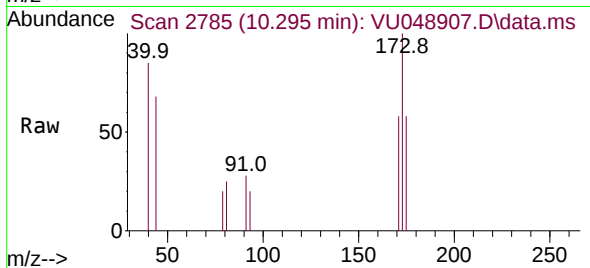




#71
Bromoform
Concen: 0.353 ug/l
RT: 10.295 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

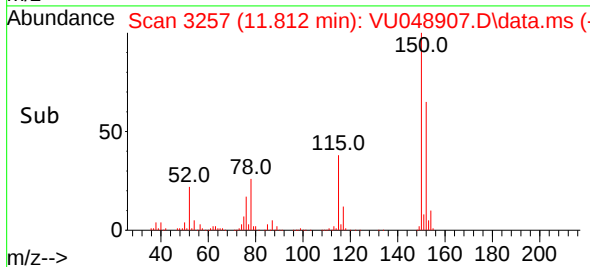
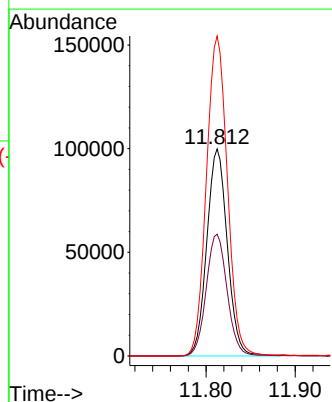
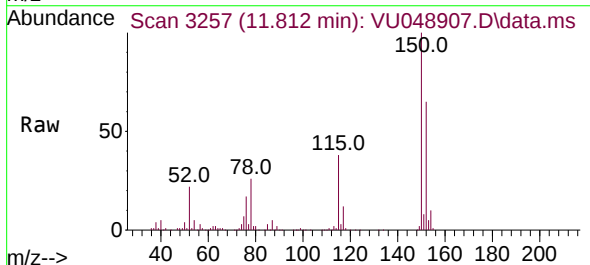
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

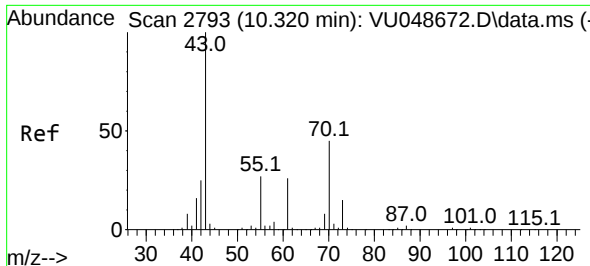
Tgt Ion:173 Resp: 964
Ion Ratio Lower Upper
173 100
175 44.6 24.5 73.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion:152 Resp: 159784
Ion Ratio Lower Upper
152 100
115 59.8 41.8 125.4
150 157.9 0.0 341.0

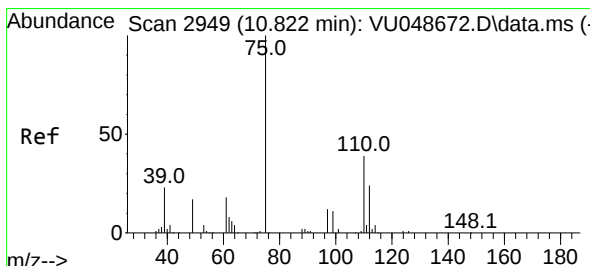
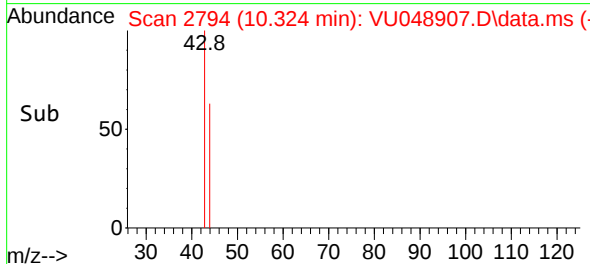
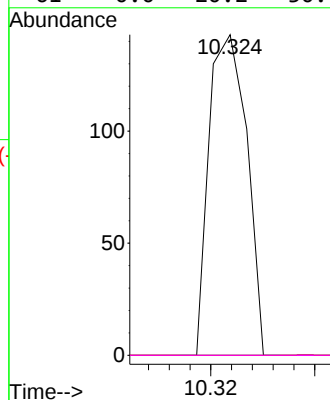
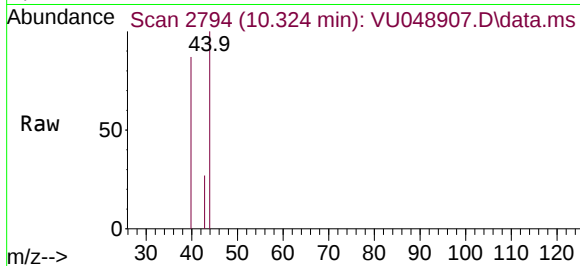




#74
N-amy1 acetate
Concen: 2.480 ug/l
RT: 10.324 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

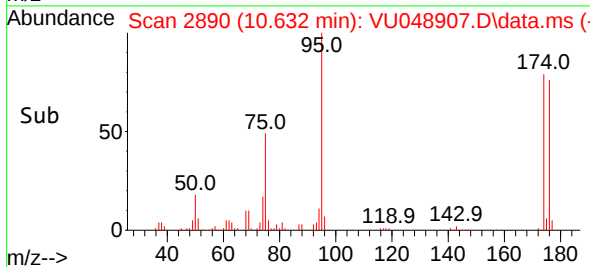
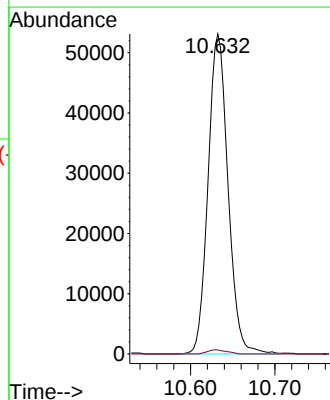
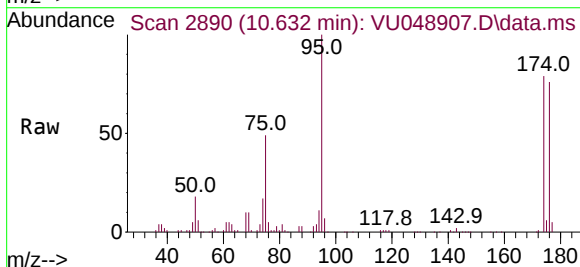
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

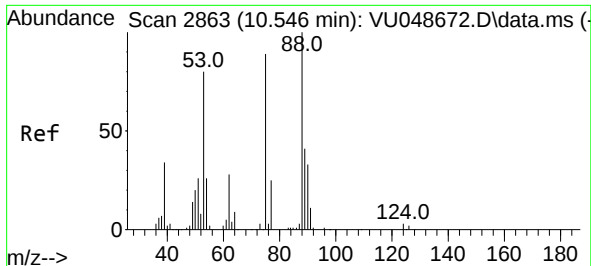
Tgt Ion: 43	Resp:	72
Ion	Ratio	Lower Upper
43	100	
70	0.0	35.8 53.6#
55	0.0	21.1 31.7#
61	0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 16.944 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 75	Resp:	87293
Ion	Ratio	Lower Upper
75	100	
77	1.3	14.8 44.3#

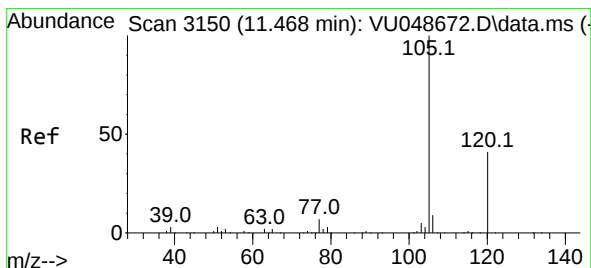
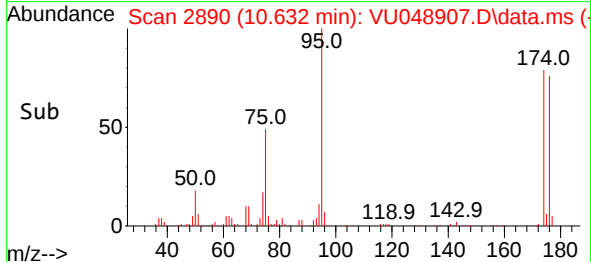
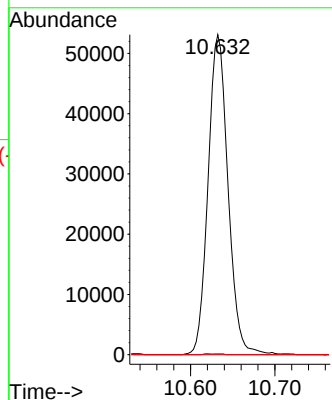
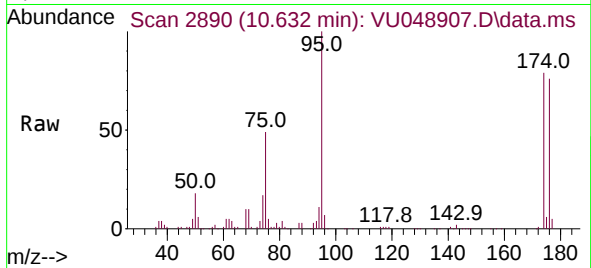




#81
trans-1,4-Dichloro-2-butene
Concen: 61.522 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

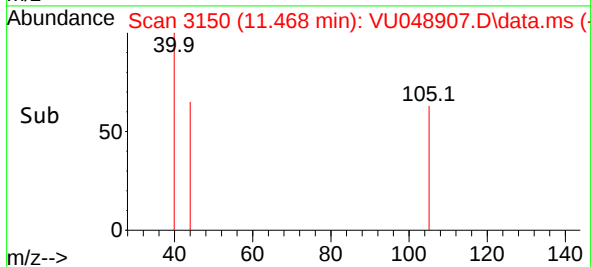
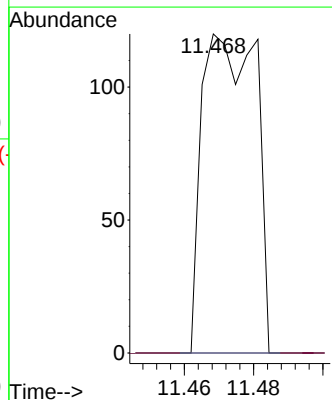
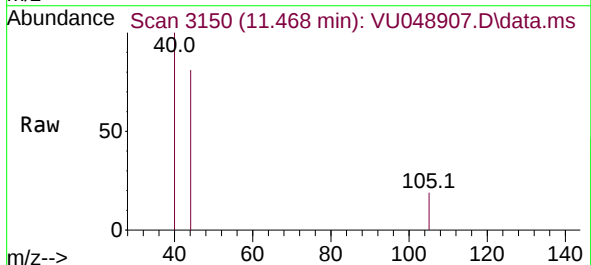
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

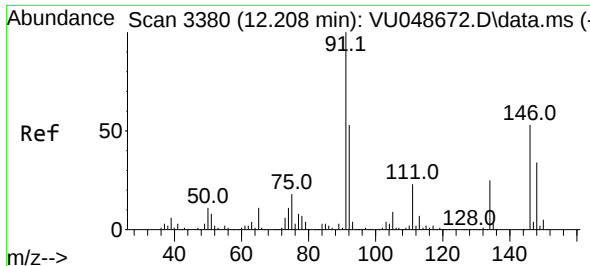
Tgt Ion: 75 Resp: 87293
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.200 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 105 Resp: 129
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#

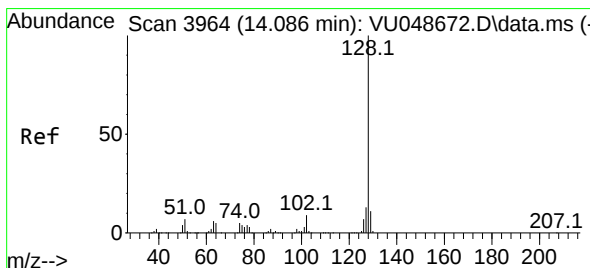
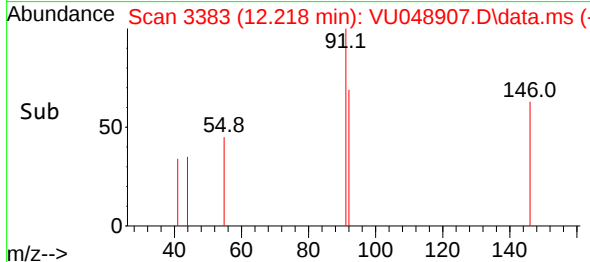
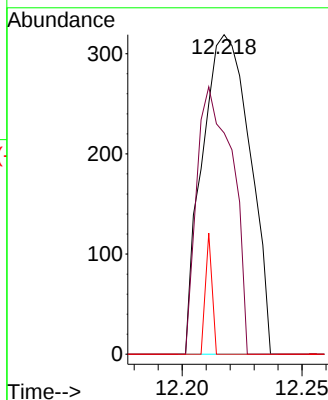
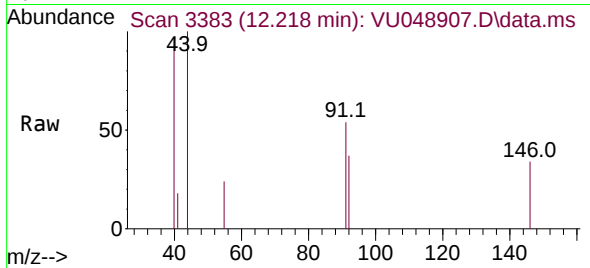




#89
n-Butylbenzene
Concen: 2.231 ug/l
RT: 12.218 min Scan# 31
Delta R.T. 0.010 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531

Tgt Ion: 91	Resp:	441
Ion Ratio	Lower	Upper
91	100	
92	62.4	25.9 77.8
134	5.2	12.5 37.5#



#95
Naphthalene
Concen: 2.805 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.012 min
Lab File: VU048907.D
Acq: 07 Jun 2022 14:15

Tgt Ion: 128	Resp:	3605
Ion Ratio	Lower	Upper
128	100	
127	9.6	10.2 15.4#
129	8.6	8.7 13.1#

