

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048912.D
 Acq On : 07 Jun 2022 16:12
 Operator : SY/MD
 Sample : N3165-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 03BR-20220601

Quant Time: Jun 08 04:53:32 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)

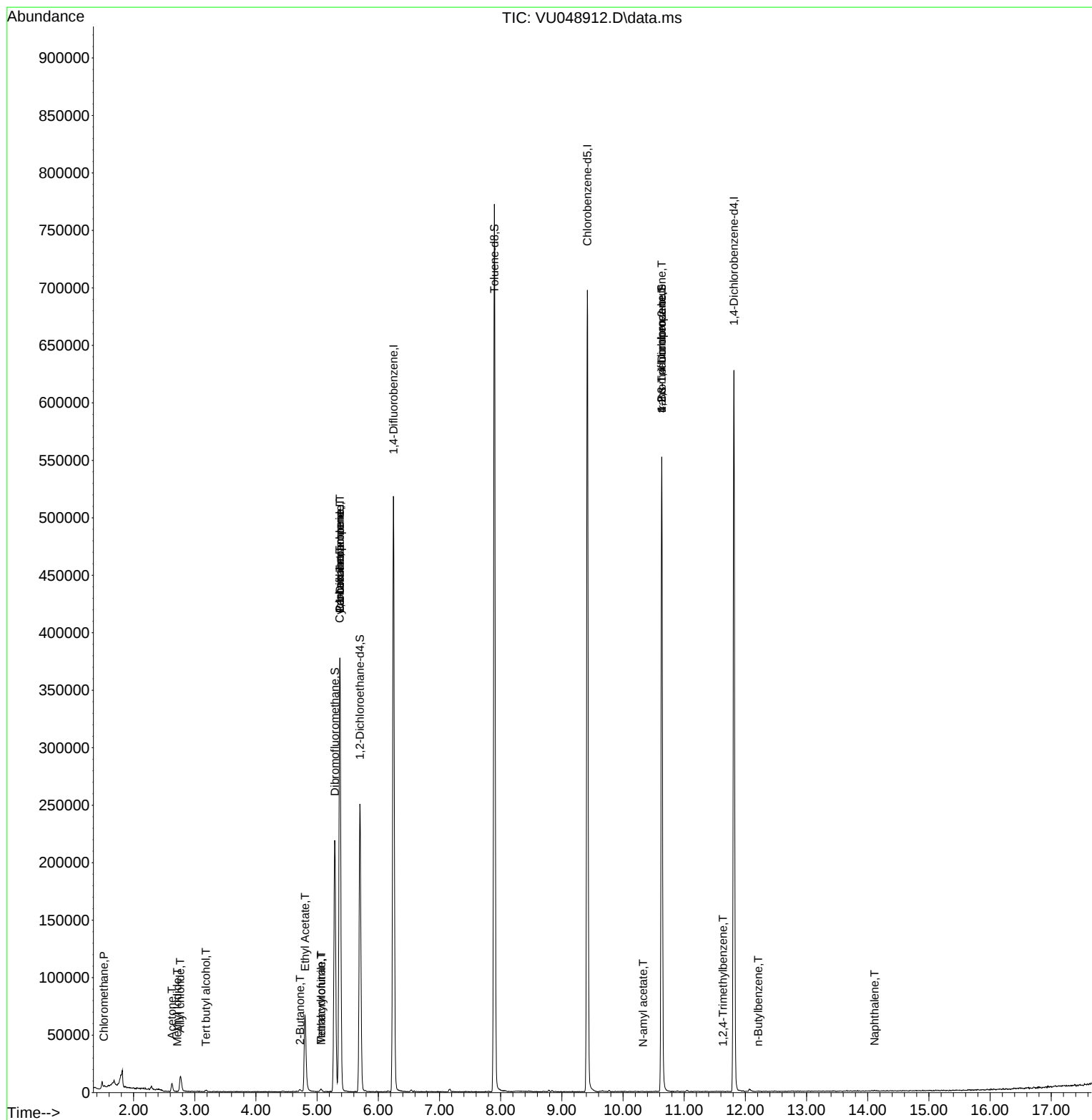
Internal Standards						
1) Pentafluorobenzene	5.372	168	255034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	412721	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	380100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	168852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	191354	49.960	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.920%
35) Dibromofluoromethane	5.288	113	141534	48.068	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.140%
50) Toluene-d8	7.896	98	503476	47.701	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.400%
62) 4-Bromofluorobenzene	10.632	95	181754	45.533	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.060%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1026	0.273	ug/l	99
5) Bromomethane	1.826	94	238	Below Cal	#	61
6) Chloroethane	1.932	64	343	Below Cal		98
10) Methyl Iodide	2.713	142	68	3.020	ug/l #	37
11) Tert butyl alcohol	3.182	59	1097	1.130	ug/l #	28
14) Allyl chloride	2.761	41	1818	0.362	ug/l #	48
16) Acetone	2.626	43	7900	4.047	ug/l #	83
25) 2-Butanone	4.719	43	3406	1.215	ug/l	92
29) Tetrahydrofuran	5.063	42	1377	0.780	ug/l #	79
31) Cyclohexane	5.369	56	5634	1.167	ug/l #	5
36) 1,1-Dichloropropene	5.372	75	20480	4.766	ug/l #	50
37) Ethyl Acetate	4.803	43	88420	16.276	ug/l	98
38) Carbon Tetrachloride	5.372	117	27044	5.485	ug/l #	17
41) Methacrylonitrile	5.070	41	960	0.350	ug/l #	42
74) N-amyl acetate	10.327	43	41	2.474	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	95827	17.602	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	95827	63.909	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.632	105	60	1.193	ug/l #	31
89) n-Butylbenzene	12.211	91	107	2.196	ug/l #	34
95) Naphthalene	14.111	128	1048	2.607	ug/l #	77

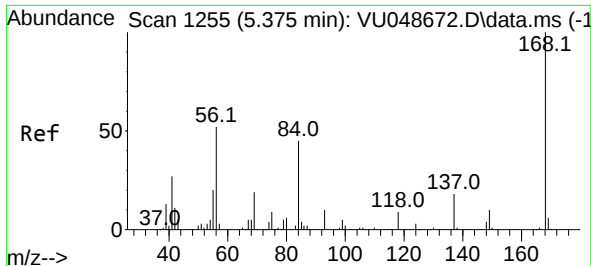
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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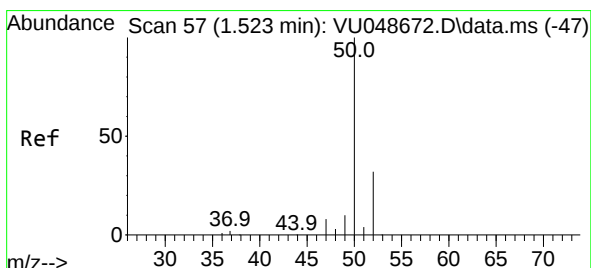
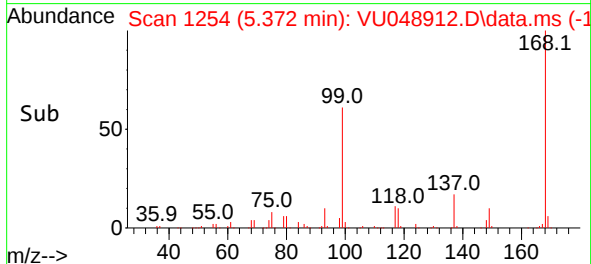
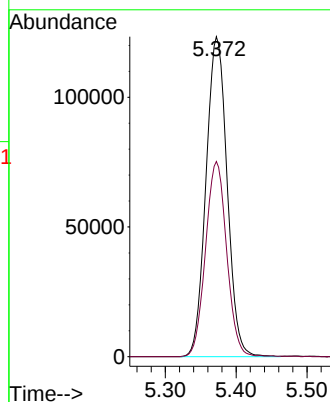
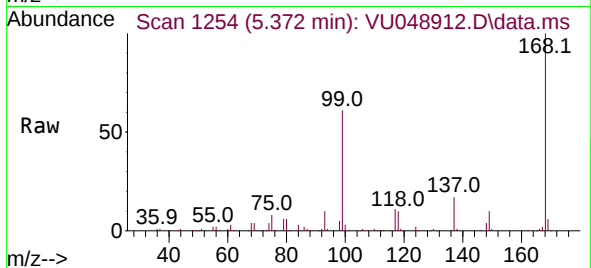




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

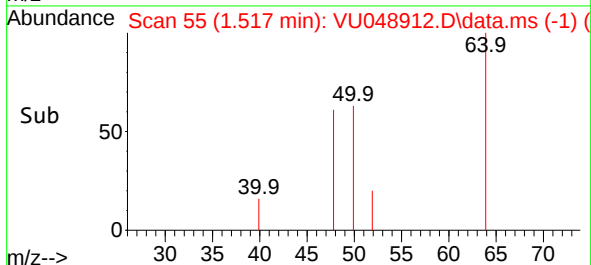
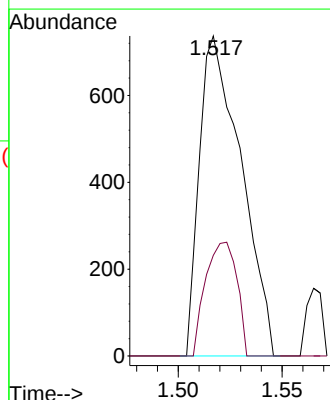
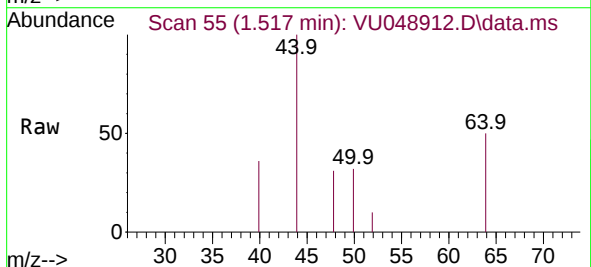
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

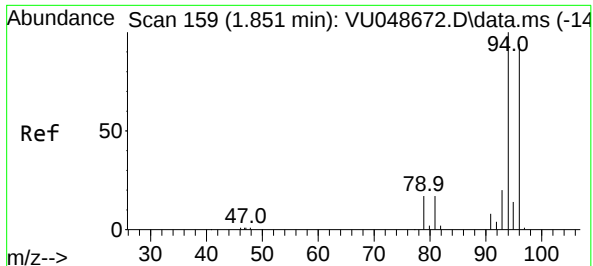
Tgt Ion:168 Resp: 255034
Ion Ratio Lower Upper
168 100
99 61.0 49.3 73.9



#3
Chloromethane
Concen: 0.273 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

Tgt Ion: 50 Resp: 1026
Ion Ratio Lower Upper
50 100
52 31.5 25.7 38.5

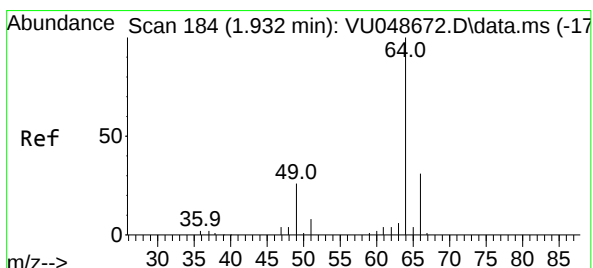
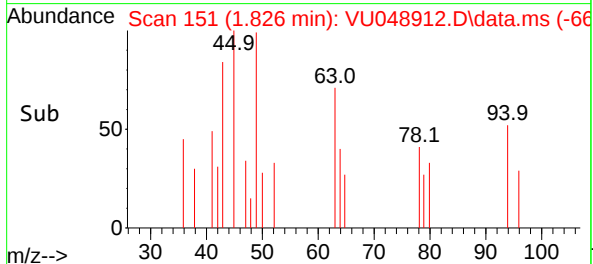
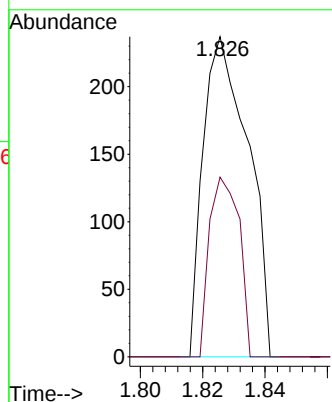
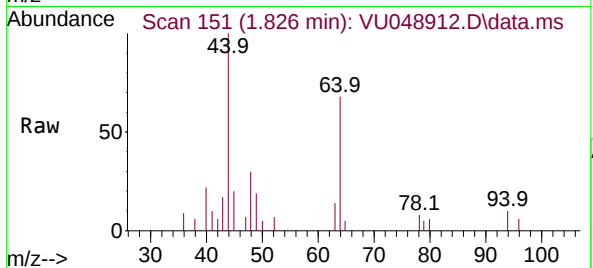




#5
Bromomethane
Concen: Below Cal
RT: 1.826 min Scan# 11
Delta R.T. -0.025 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

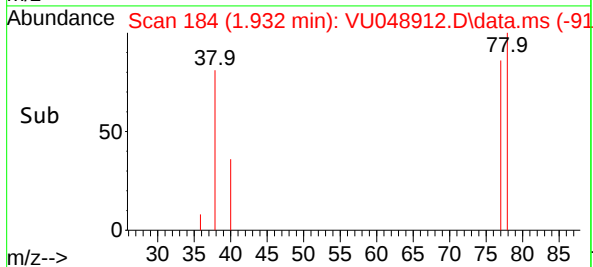
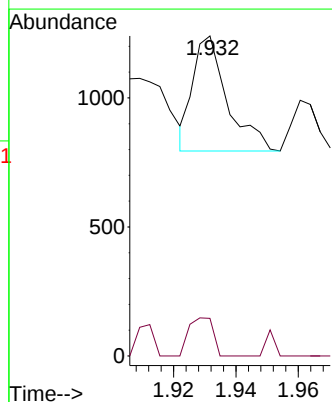
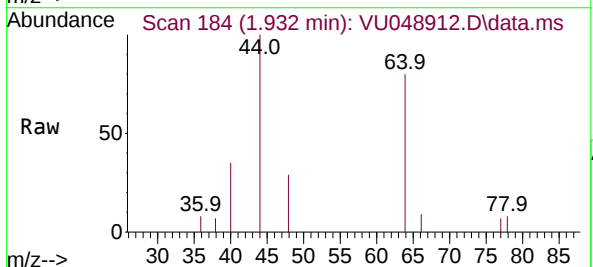
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

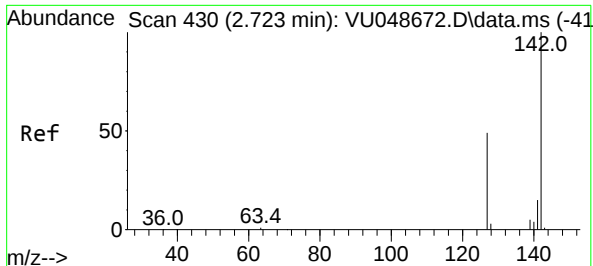
Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 56.1 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

Tgt Ion: 64 Resp: 343
Ion Ratio Lower Upper
64 100
66 32.7 25.2 37.8

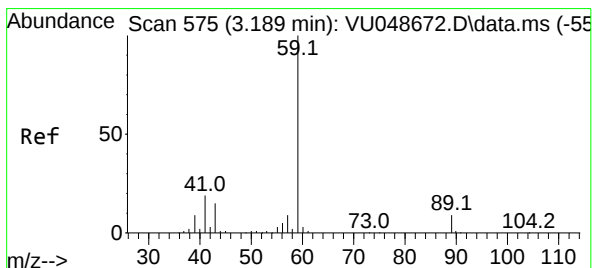
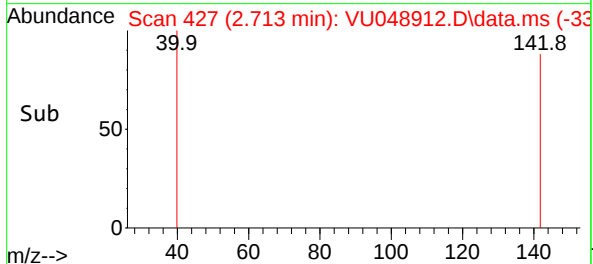
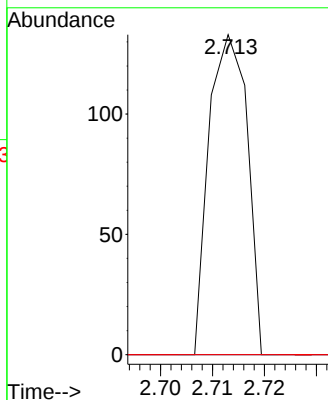
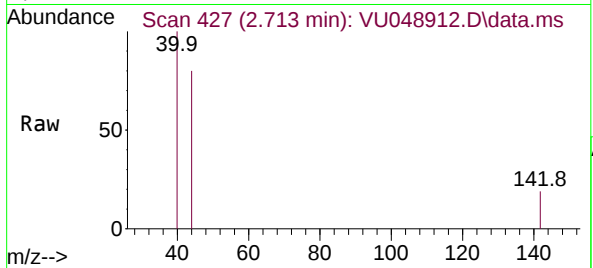




#10
Methyl Iodide
Concen: 3.020 ug/l
RT: 2.713 min Scan# 41
Delta R.T. -0.010 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

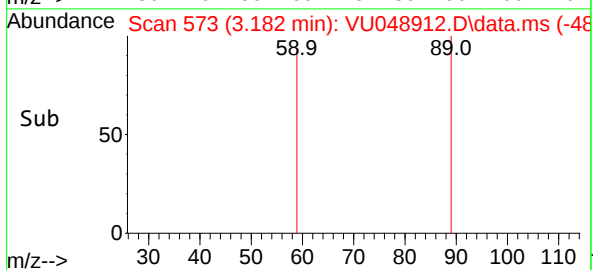
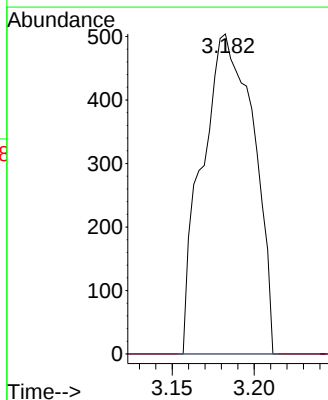
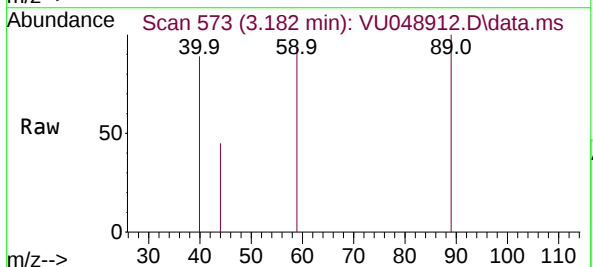
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

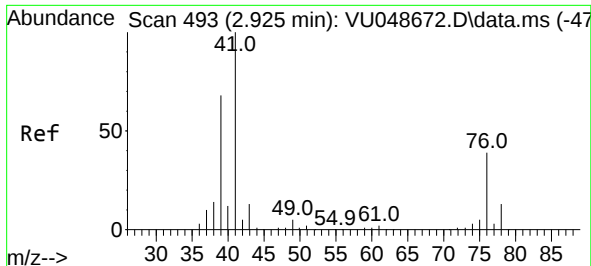
Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.130 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.006 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

Tgt Ion: 59 Resp: 1097
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

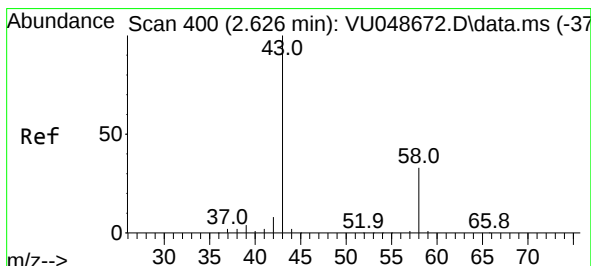
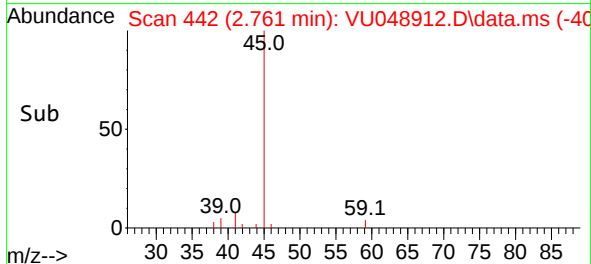
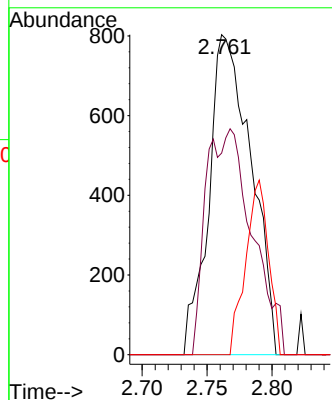
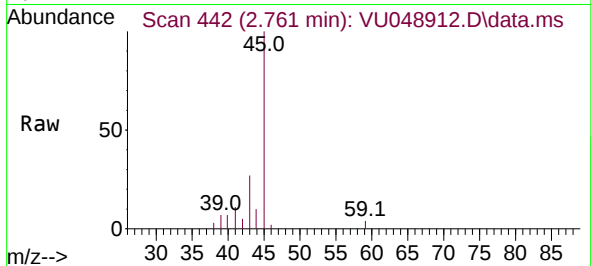




#14
 Allyl chloride
 Concen: 0.362 ug/l
 RT: 2.761 min Scan# 41
 Delta R.T. -0.164 min
 Lab File: VU048912.D
 Acq: 07 Jun 2022 16:12

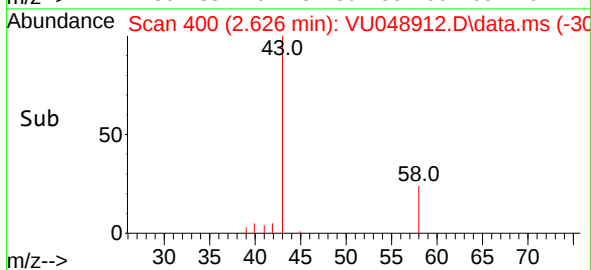
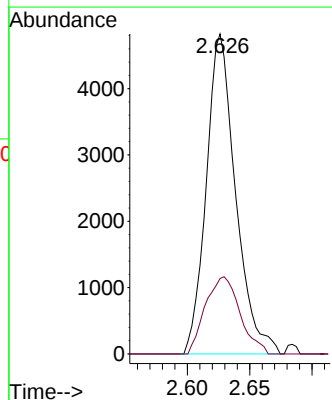
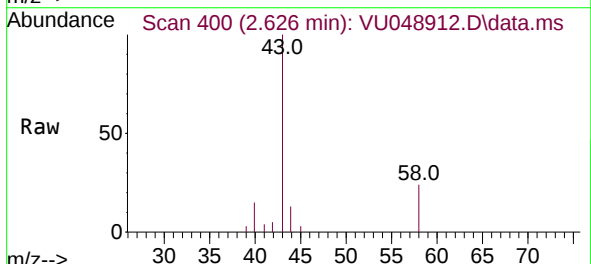
Instrument :
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 ClientSampleId :
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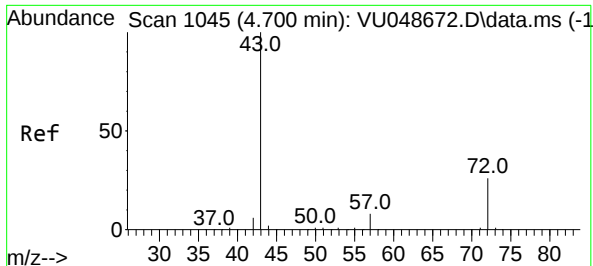
Tgt Ion: 41 Resp: 1818
 Ion Ratio Lower Upper
 41 100
 39 24.6 48.6 72.8#
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 4.047 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU048912.D
 Acq: 07 Jun 2022 16:12

Tgt Ion: 43 Resp: 7900
 Ion Ratio Lower Upper
 43 100
 58 23.6 26.3 39.5#





#25

2-Butanone

Concen: 1.215 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.019 min

Lab File: VU048912.D

Acq: 07 Jun 2022 16:12

Instrument :

MSVOA_U

ClientSampleId :

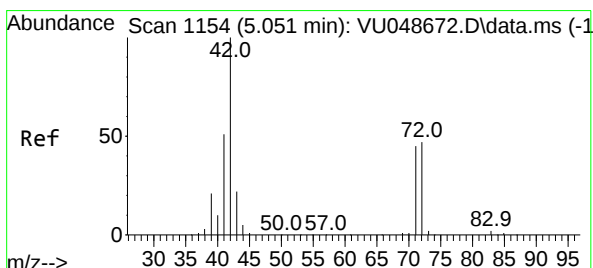
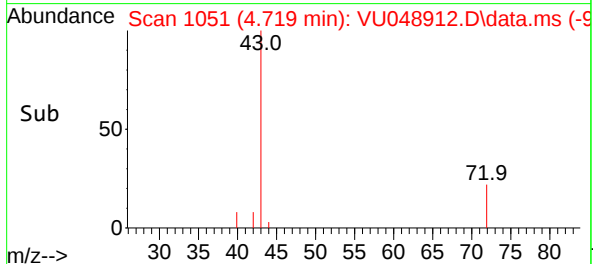
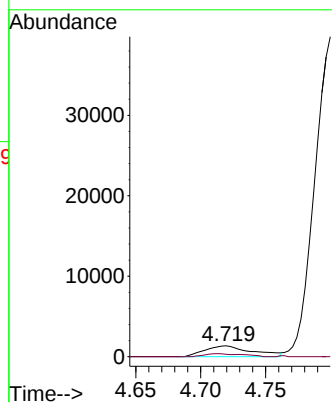
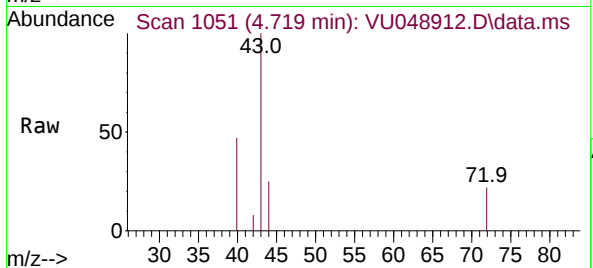
03BR-20220601

Tgt Ion: 43 Resp: 3406

Ion Ratio Lower Upper

43 100

72 22.3 21.1 31.7



#29

Tetrahydrofuran

Concen: 0.780 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU048912.D

Acq: 07 Jun 2022 16:12

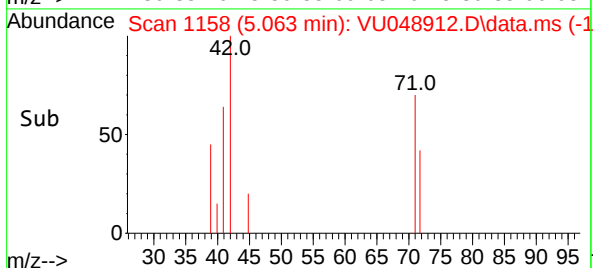
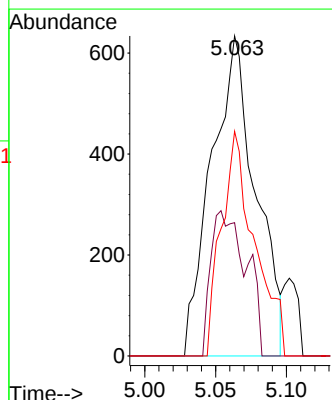
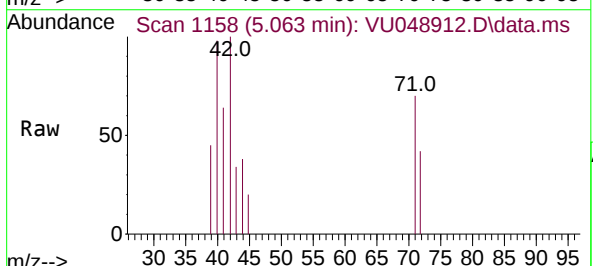
Tgt Ion: 42 Resp: 1377

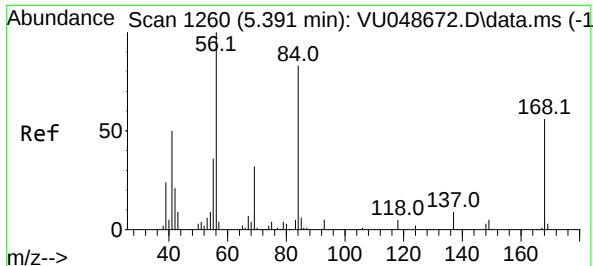
Ion Ratio Lower Upper

42 100

72 28.7 37.6 56.4#

71 52.5 35.0 52.4#





#31

Cyclohexane

Concen: 1.167 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.023 min

Lab File: VU048912.D

Acq: 07 Jun 2022 16:12

Instrument :

MSVOA_U

ClientSampleId :

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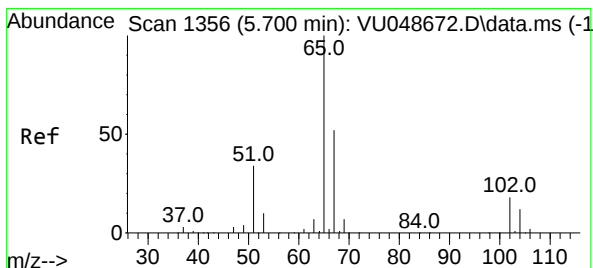
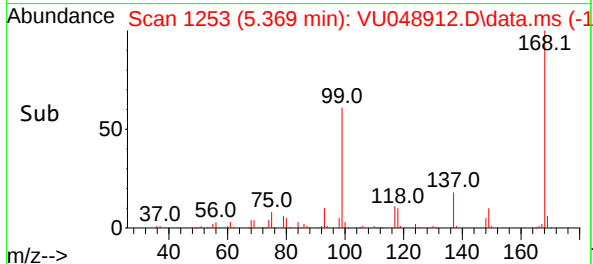
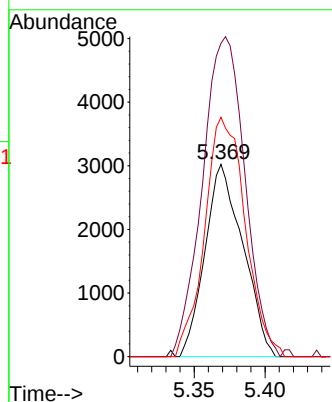
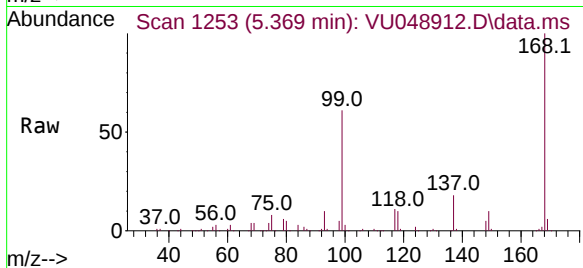
Tgt Ion: 56 Resp: 5634

Ion Ratio Lower Upper

56 100

69 163.0 25.6 38.4#

84 119.9 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 49.960 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. -0.000 min

Lab File: VU048912.D

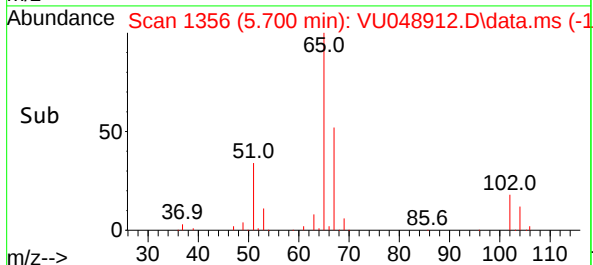
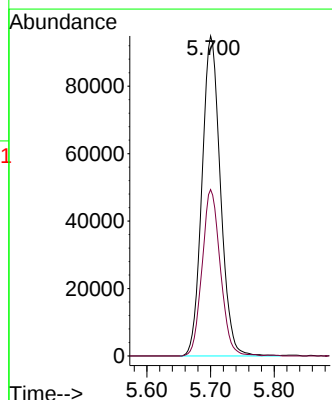
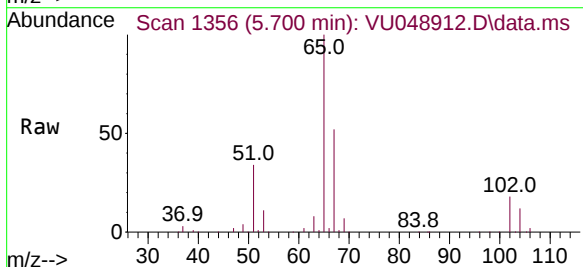
Acq: 07 Jun 2022 16:12

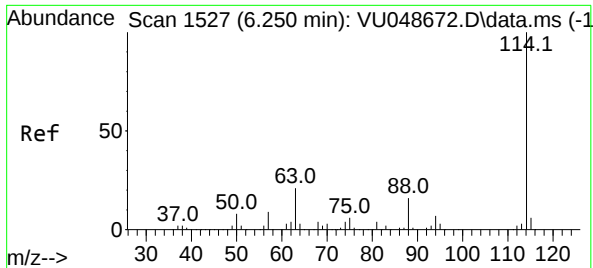
Tgt Ion: 65 Resp: 191354

Ion Ratio Lower Upper

65 100

67 51.3 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

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Acq: 07 Jun 2022 16:12

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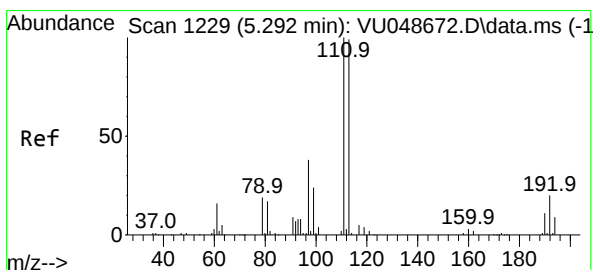
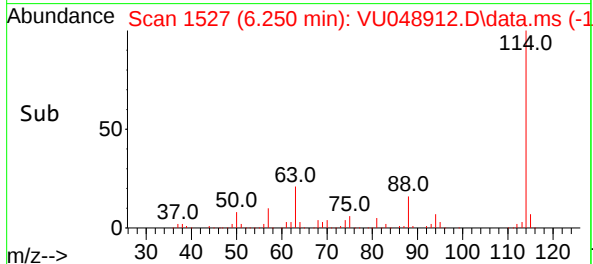
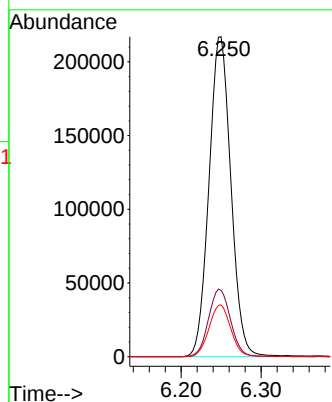
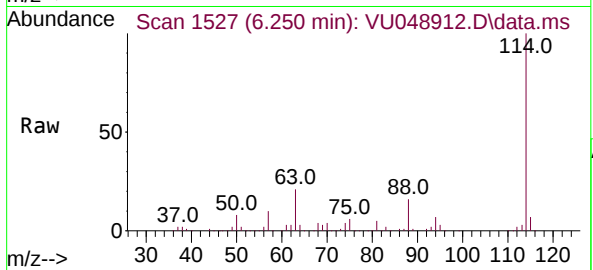
Tgt Ion:114 Resp: 412721

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 16.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.068 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048912.D

Acq: 07 Jun 2022 16:12

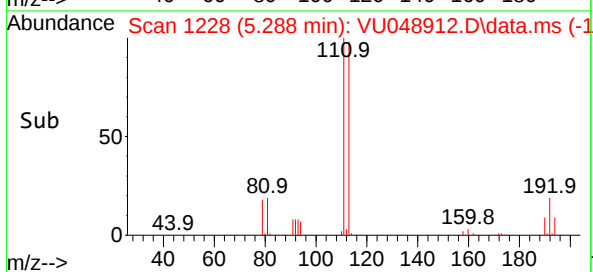
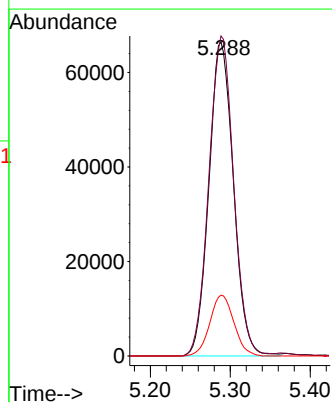
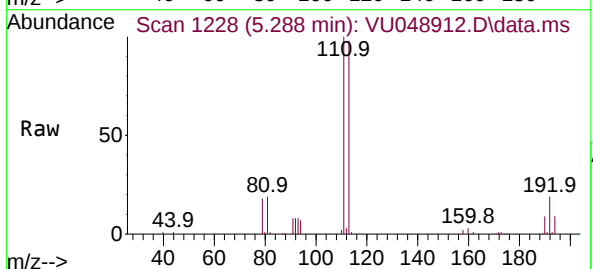
Tgt Ion:113 Resp: 141534

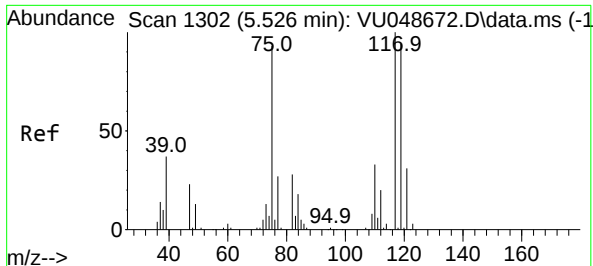
Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

192 19.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.766 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048912.D

Acq: 07 Jun 2022 16:12

Instrument :

MSVOA_U

ClientSampleId :

03BR-20220601

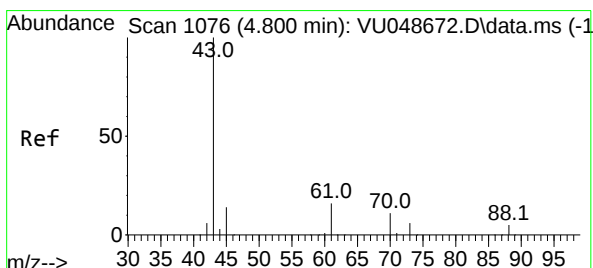
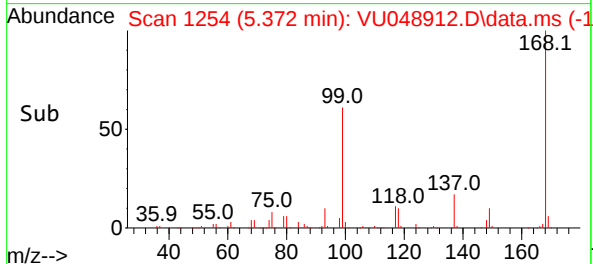
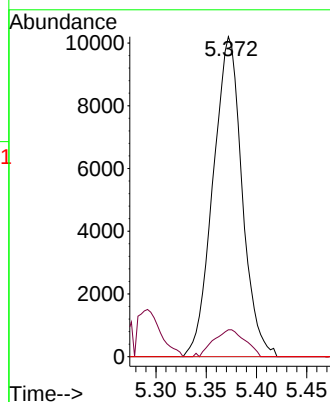
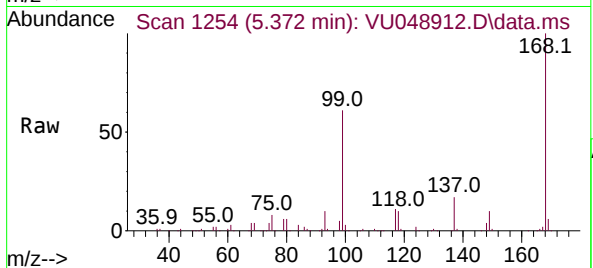
Tgt Ion: 75 Resp: 20480

Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 16.276 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VU048912.D

Acq: 07 Jun 2022 16:12

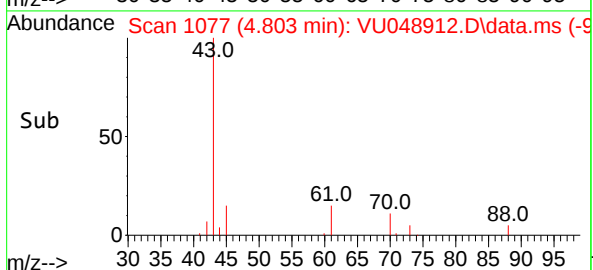
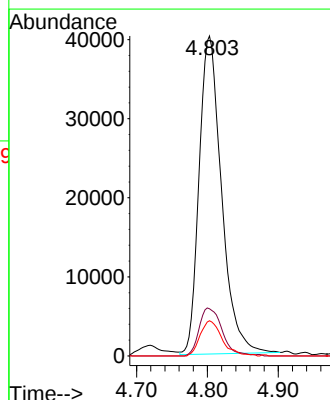
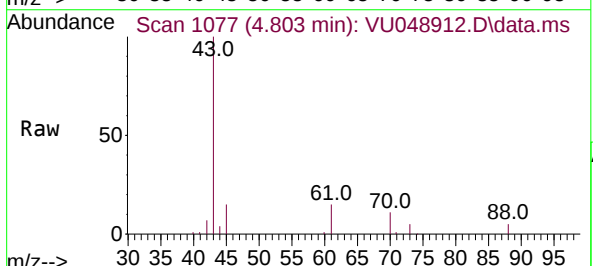
Tgt Ion: 43 Resp: 88420

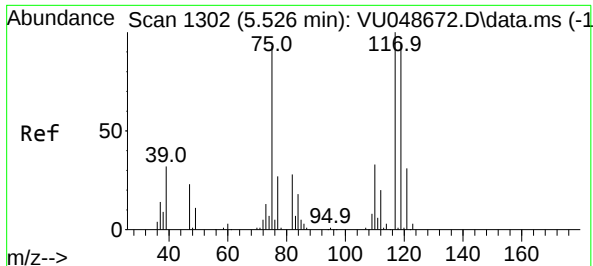
Ion Ratio Lower Upper

43 100

61 15.4 11.7 17.5

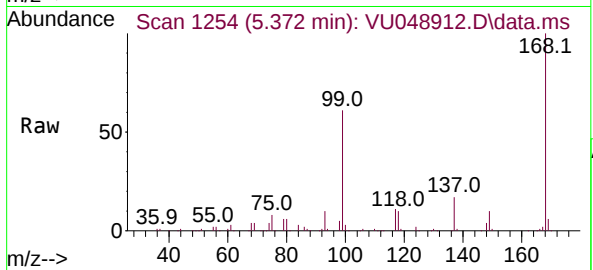
70 10.9 8.4 12.6



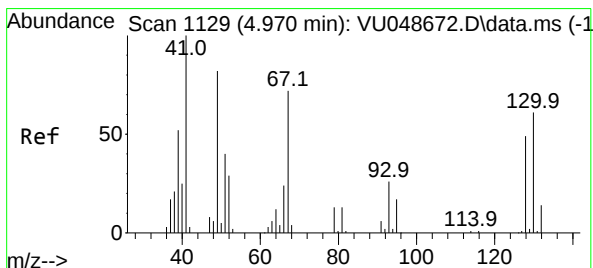
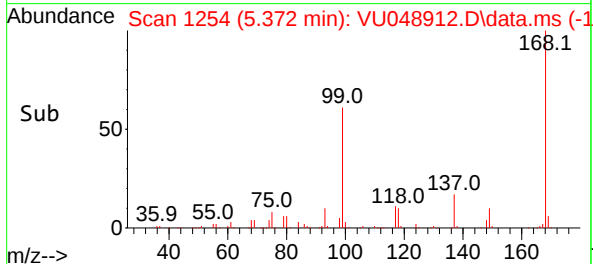
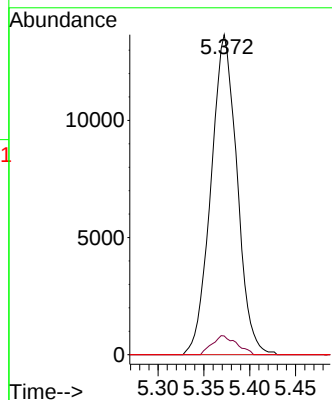


#38
Carbon Tetrachloride
Concen: 5.485 ug/l
RT: 5.372 min Scan# 1160
Delta R.T. -0.154 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

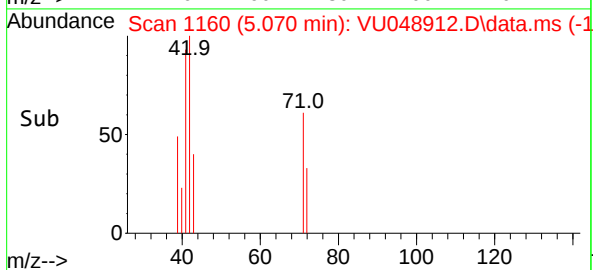
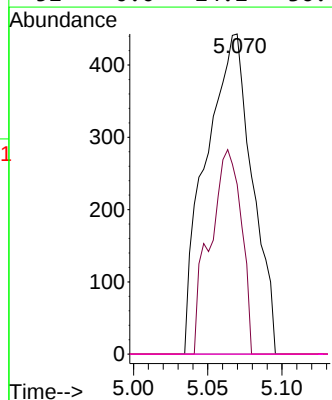
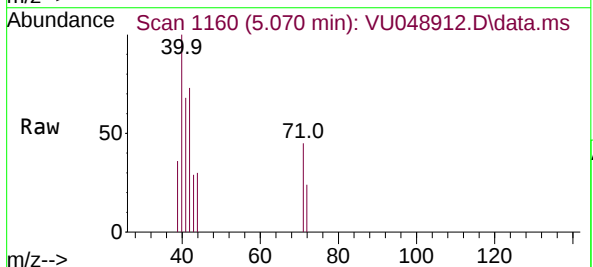


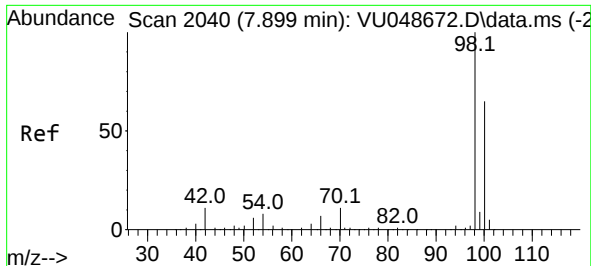
Tgt Ion:117 Resp: 27044
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.350 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.100 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

Tgt Ion: 41 Resp: 960
Ion Ratio Lower Upper
41 100
39 43.1 42.6 64.0
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#

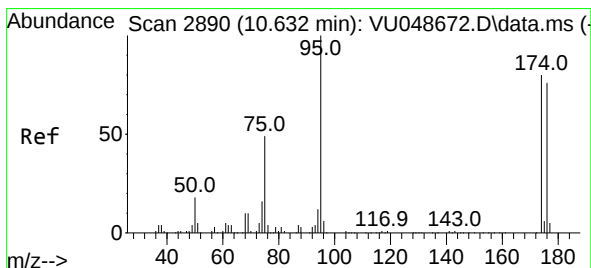
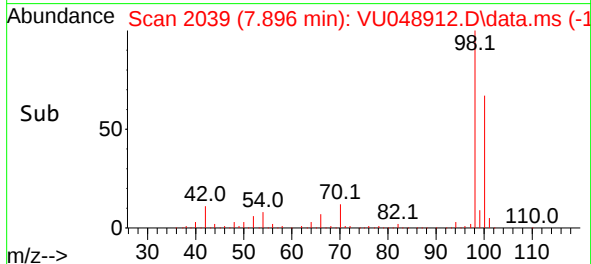
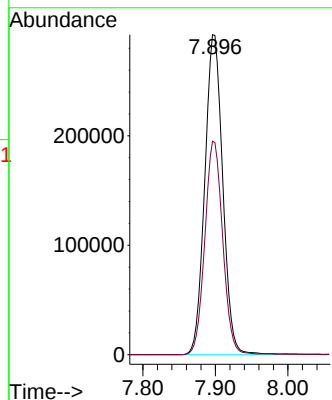
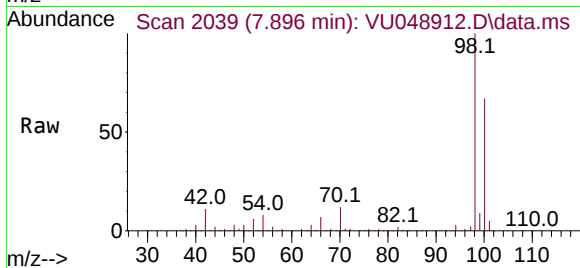




#50
Toluene-d8
Concen: 47.701 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

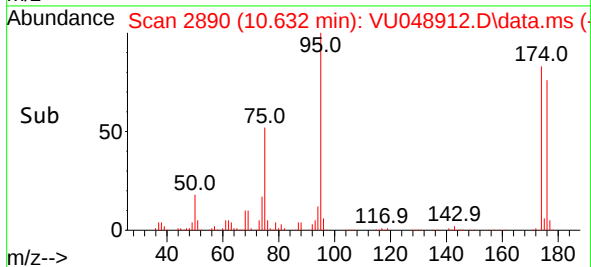
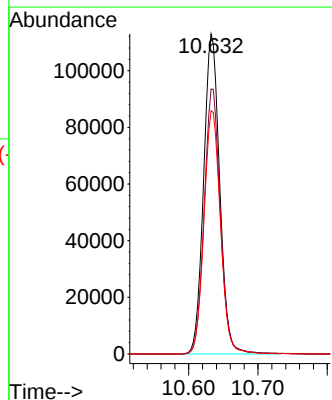
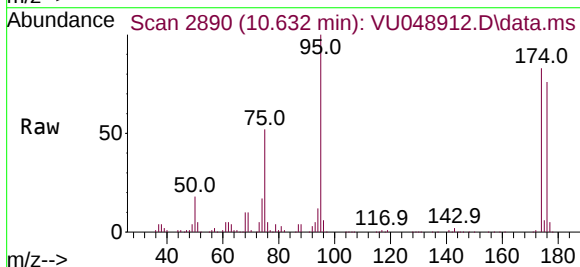
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

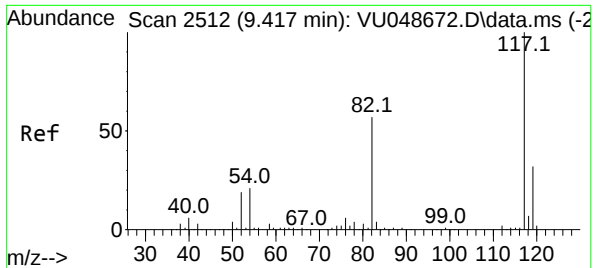
Tgt Ion: 98 Resp: 503476
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.533 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

Tgt Ion: 95 Resp: 181754
Ion Ratio Lower Upper
95 100
174 83.6 0.0 159.4
176 78.0 0.0 152.4

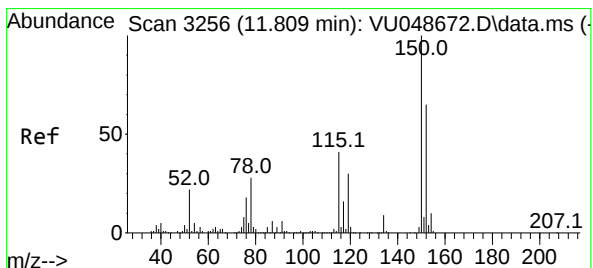
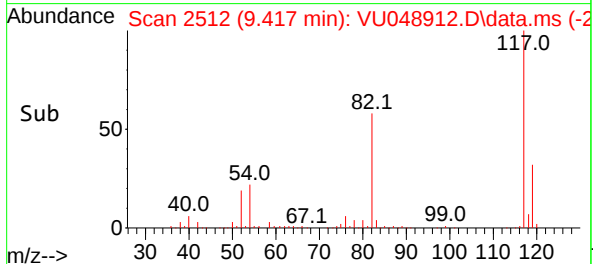
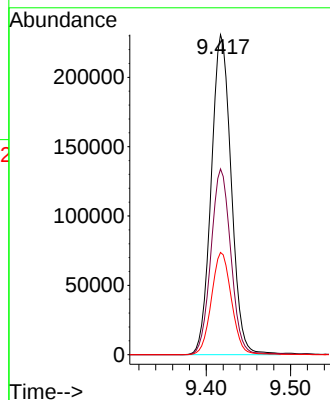
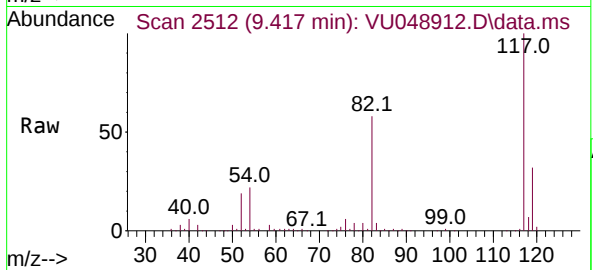




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

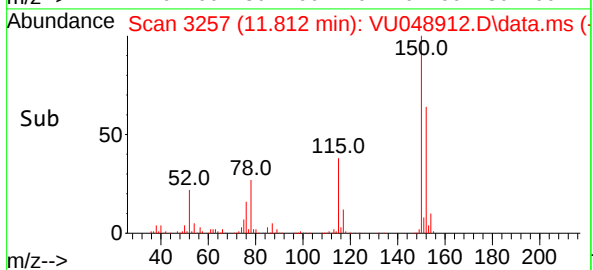
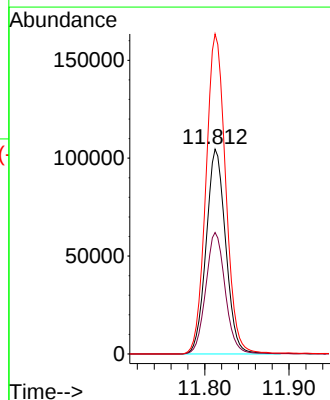
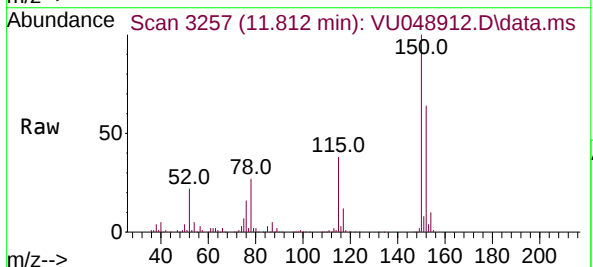
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

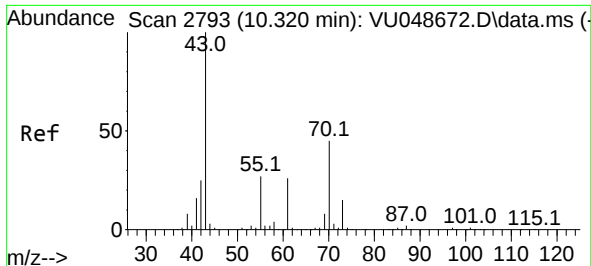
Tgt Ion:117 Resp: 380100
Ion Ratio Lower Upper
117 100
82 58.1 45.3 67.9
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

Tgt Ion:152 Resp: 168852
Ion Ratio Lower Upper
152 100
115 59.2 41.8 125.4
150 157.7 0.0 341.0

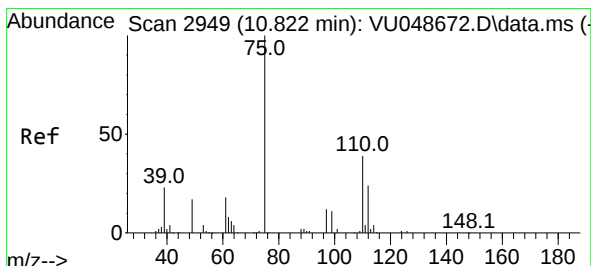
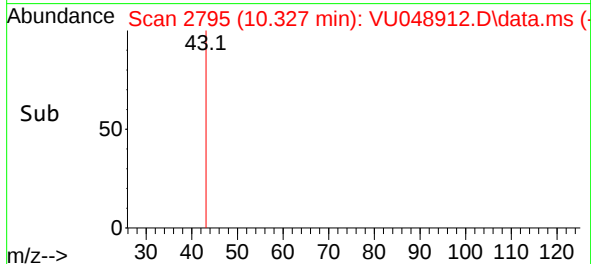
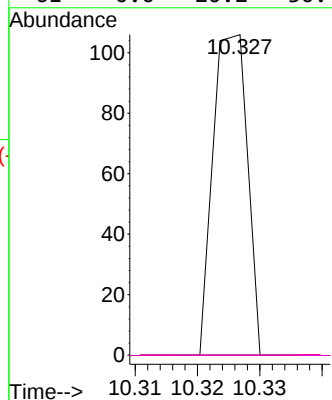
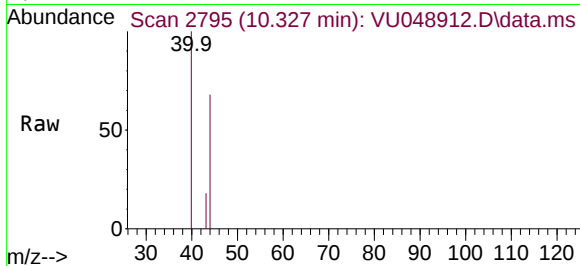




#74
N-amy1 acetate
Concen: 2.474 ug/l
RT: 10.327 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

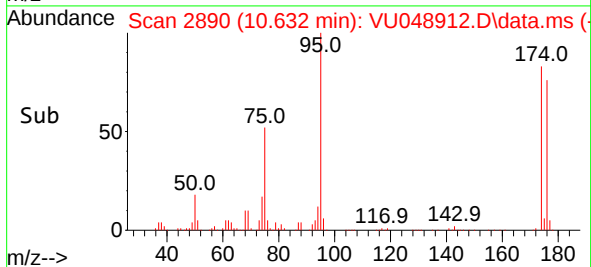
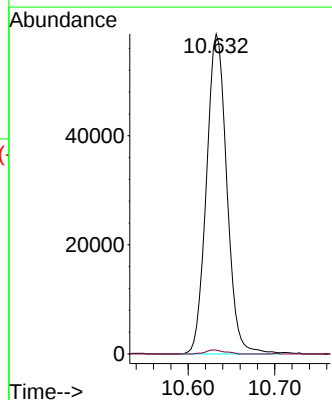
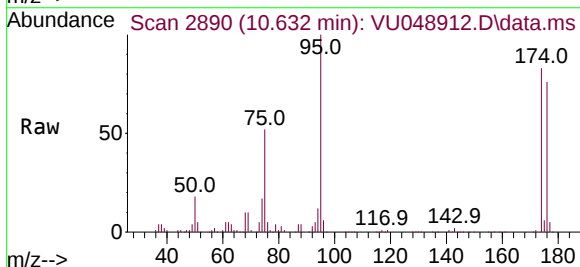
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

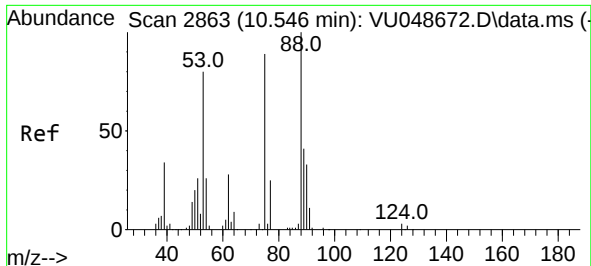
Tgt Ion: 43	Resp:	41
Ion	Ratio	Lower Upper
43	100	
70	0.0	35.8 53.6#
55	0.0	21.1 31.7#
61	0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.602 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

Tgt Ion: 75	Resp:	95827
Ion	Ratio	Lower Upper
75	100	
77	1.2	14.8 44.3#

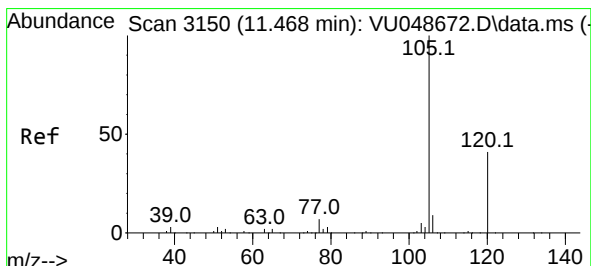
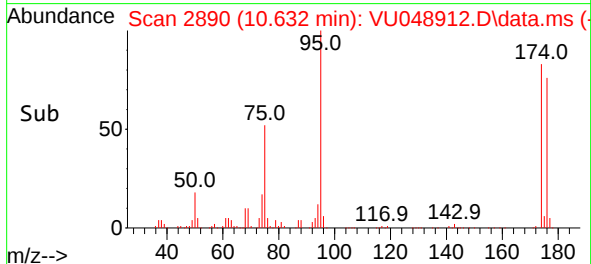
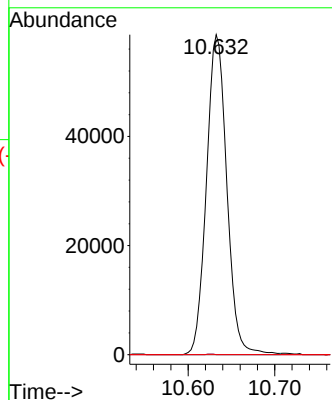
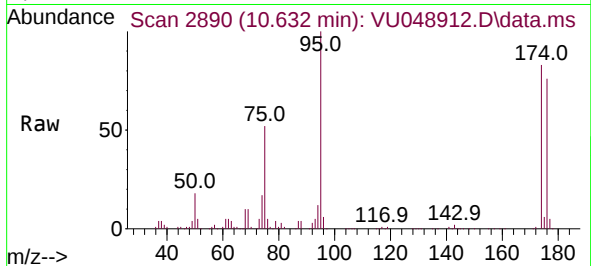




#81
trans-1,4-Dichloro-2-butene
Concen: 63.909 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

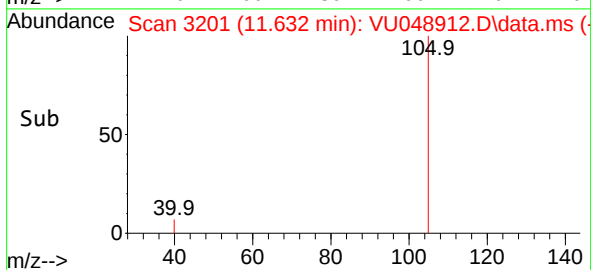
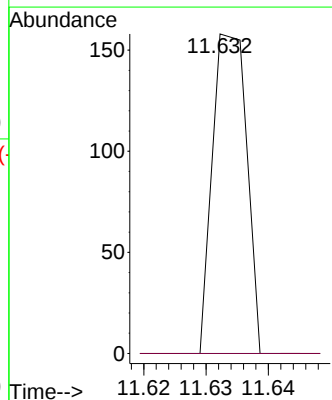
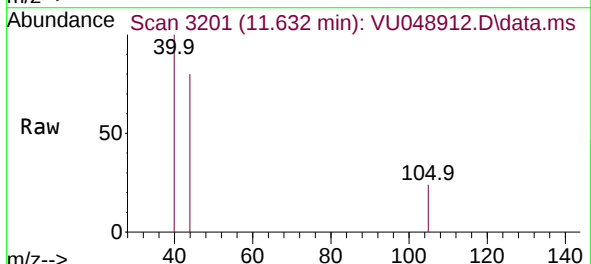
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

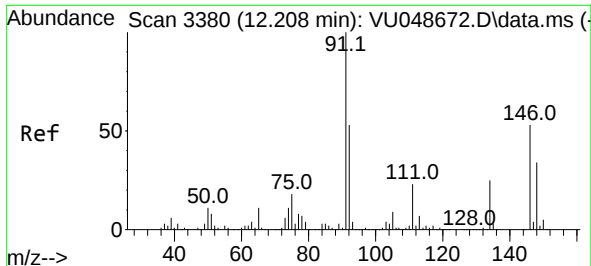
Tgt Ion: 75 Resp: 95827
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.193 ug/l
RT: 11.632 min Scan# 3201
Delta R.T. 0.164 min
Lab File: VU048912.D
Acq: 07 Jun 2022 16:12

Tgt Ion: 105 Resp: 60
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#





#89

n-Butylbenzene

Concen: 2.196 ug/l

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048912.D

Acq: 07 Jun 2022 16:12

Instrument :

MSVOA_U

ClientSampleId :

03BR-20220601

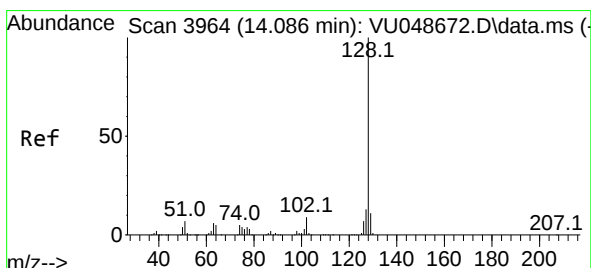
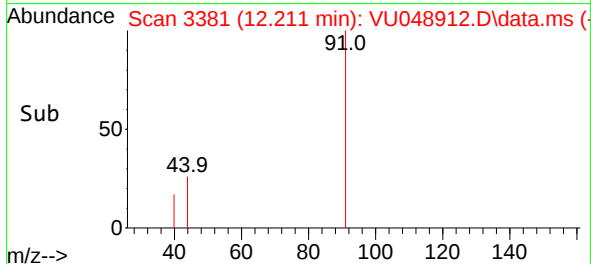
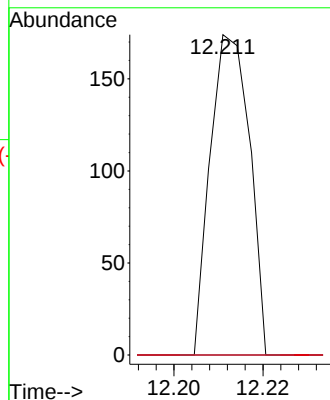
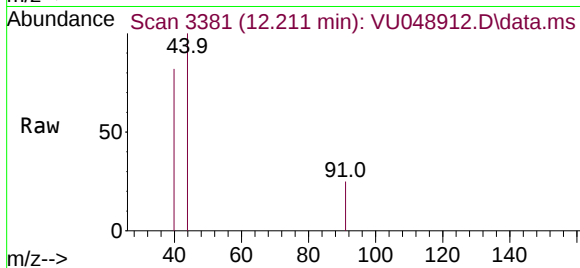
Tgt Ion: 91 Resp: 107

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.8#

134 0.0 12.5 37.5#



#95

Naphthalene

Concen: 2.607 ug/l

RT: 14.111 min Scan# 3972

Delta R.T. 0.025 min

Lab File: VU048912.D

Acq: 07 Jun 2022 16:12

Tgt Ion:128 Resp: 1048

Ion Ratio Lower Upper

128 100

127 2.0 10.2 15.4#

129 4.2 8.7 13.1#

