

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048923.D
 Acq On : 07 Jun 2022 20:33
 Operator : SY/MD
 Sample : N3166-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 62BR-20220601

Quant Time: Jun 08 04:56:58 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)

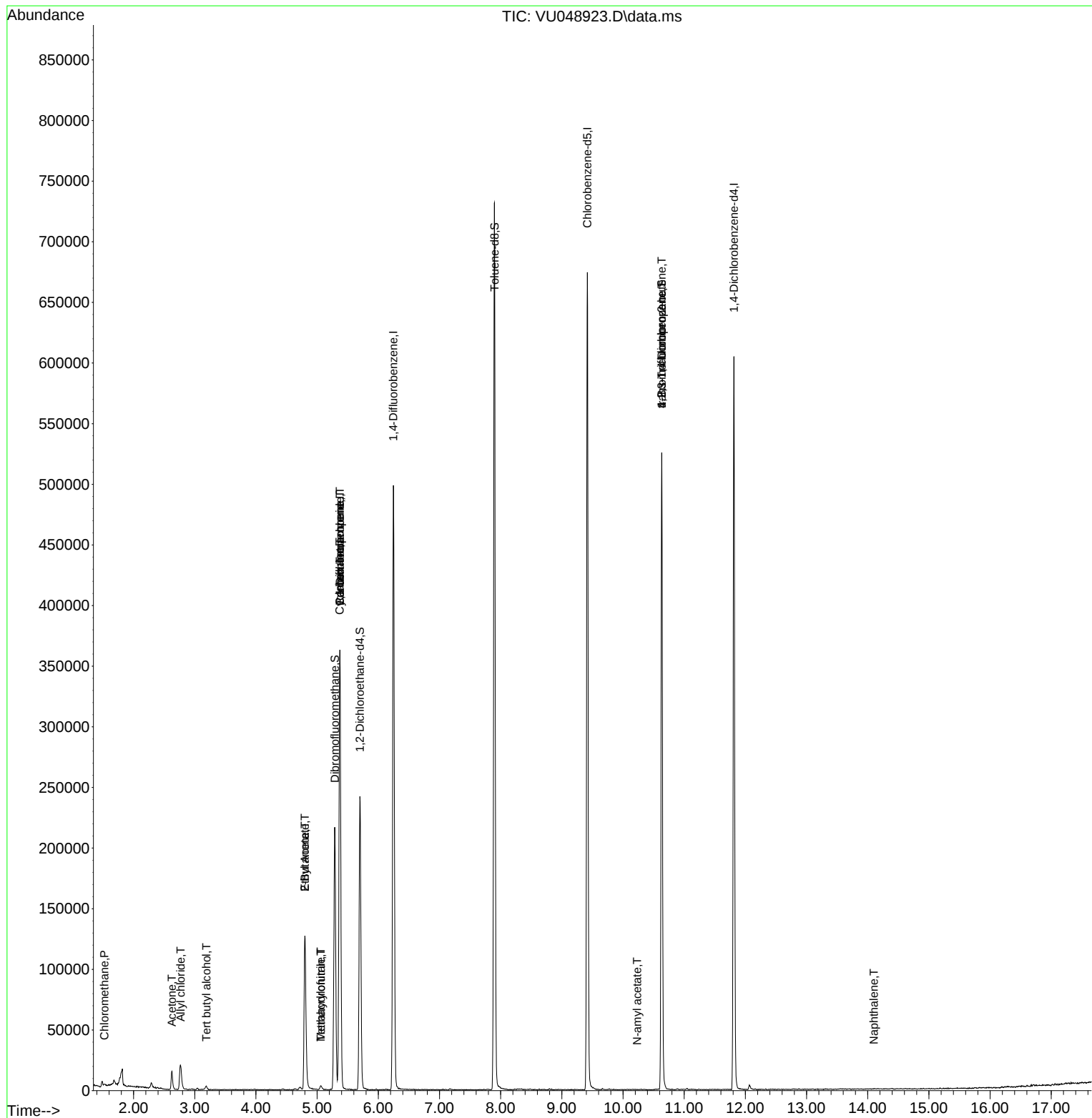
Internal Standards						
1) Pentafluorobenzene	5.372	168	243179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	398925	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	365528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	160672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	185110	50.686	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.380%
35) Dibromofluoromethane	5.289	113	136372	47.917	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.840%
50) Toluene-d8	7.899	98	479690	47.019	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.040%
62) 4-Bromofluorobenzene	10.632	95	174127	45.131	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.260%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1230	0.343	ug/l #	75
5) Bromomethane	1.835	94	163	Below Cal	#	65
6) Chloroethane	1.941	64	83	Below Cal	#	43
11) Tert butyl alcohol	3.189	59	1899	2.051	ug/l #	28
13) Acrolein	2.494	56	116	Below Cal	#	14
14) Allyl chloride	2.771	41	2912	0.607	ug/l #	69
16) Acetone	2.626	43	16222	8.716	ug/l	96
25) 2-Butanone	4.800	43	163756	61.245	ug/l #	49
29) Tetrahydrofuran	5.060	42	2314	1.374	ug/l #	69
31) Cyclohexane	5.369	56	5137	1.116	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	19965	4.807	ug/l #	50
37) Ethyl Acetate	4.800	43	163756	31.185	ug/l	99
38) Carbon Tetrachloride	5.372	117	25060	5.259	ug/l #	17
41) Methacrylonitrile	5.060	41	1293	0.487	ug/l #	46
74) N-amyl acetate	10.230	43	72	2.480	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	89996	17.372	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	89996	63.076	ug/l #	13
95) Naphthalene	14.102	128	200	2.548	ug/l #	69

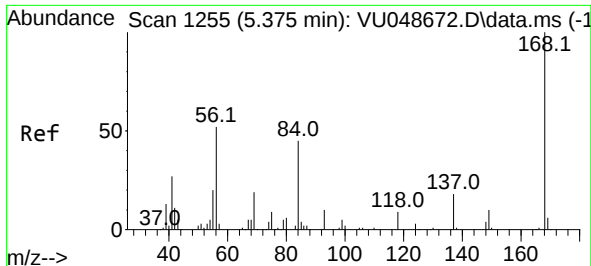
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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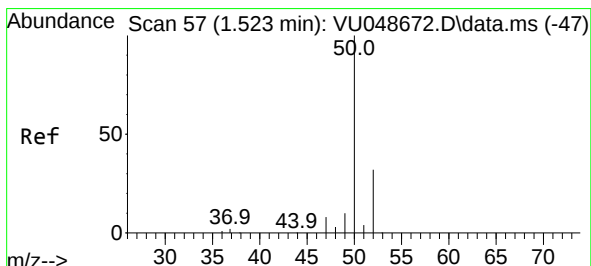
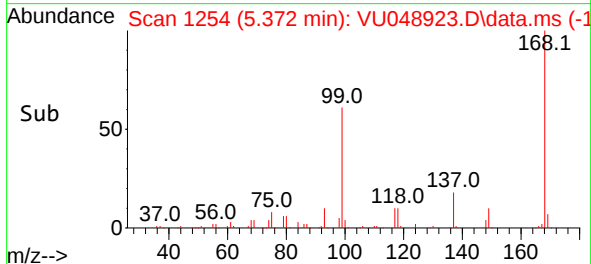
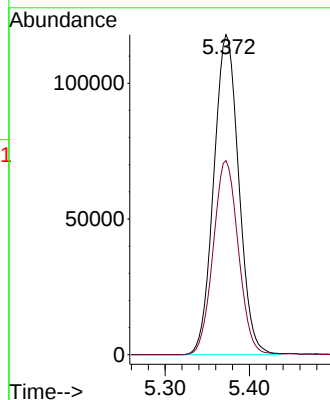
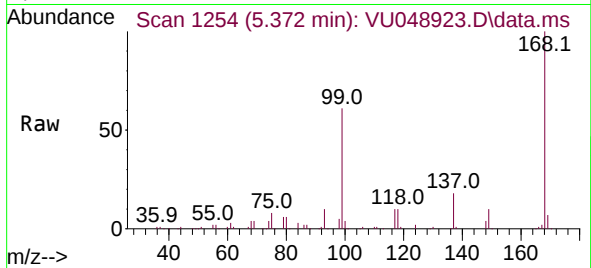




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

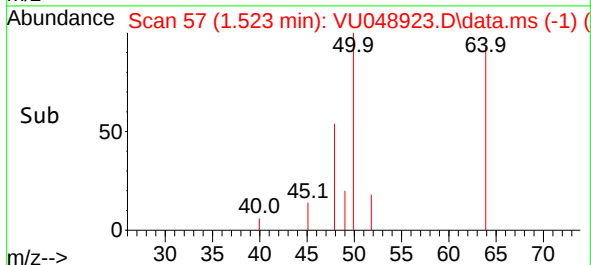
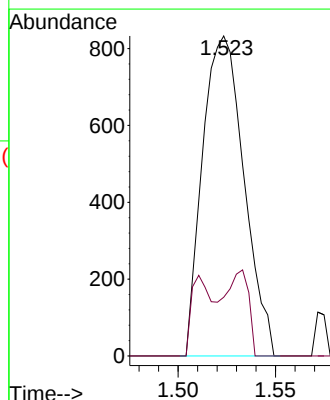
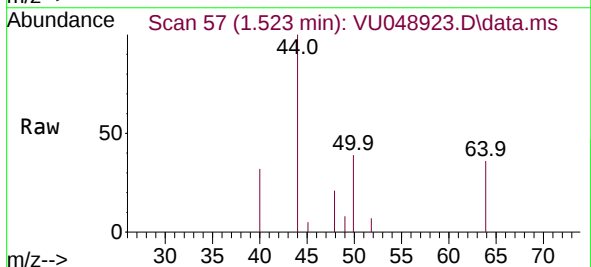
Instrument :
MSVOA_U
ClientSampleId :
62BR-20220601

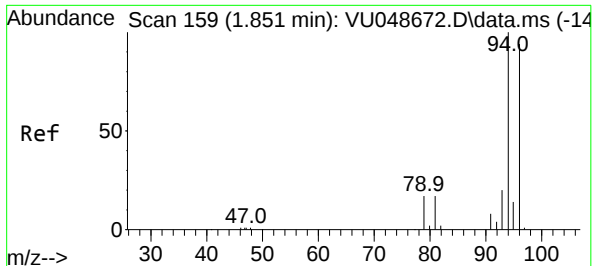
Tgt Ion:168 Resp: 243179
Ion Ratio Lower Upper
168 100
99 60.7 49.3 73.9



#3
Chloromethane
Concen: 0.343 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Tgt Ion: 50 Resp: 1230
Ion Ratio Lower Upper
50 100
52 18.4 25.7 38.5#

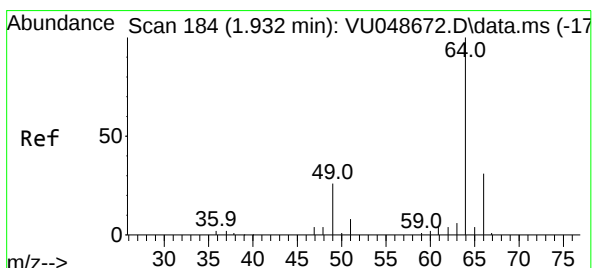
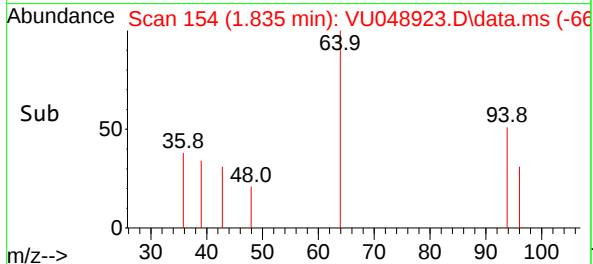
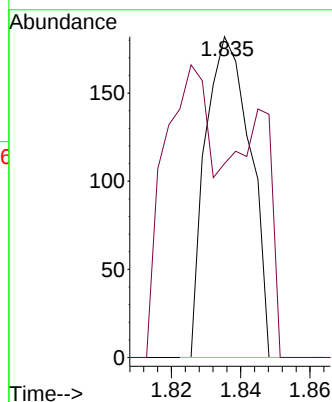
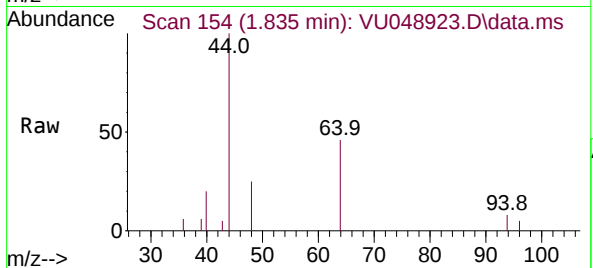




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

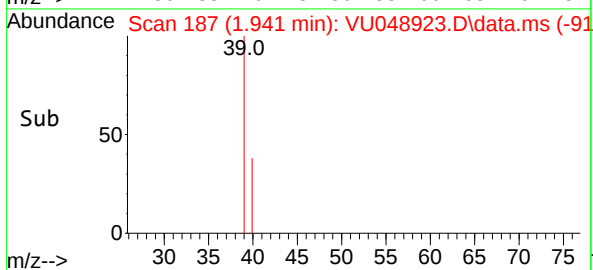
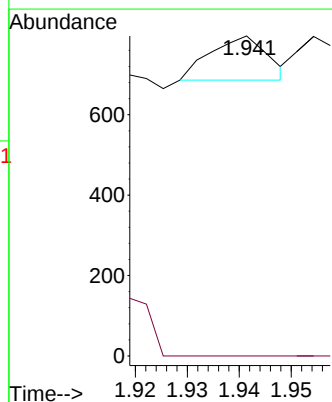
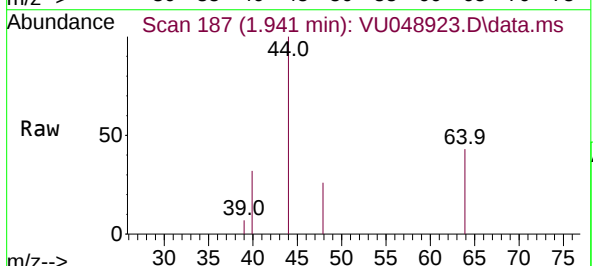
Instrument :
MSVOA_U
ClientSampleId :
62BR-20220601

Tgt Ion: 94 Resp: 163
Ion Ratio Lower Upper
94 100
96 60.4 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.941 min Scan# 187
Delta R.T. 0.009 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

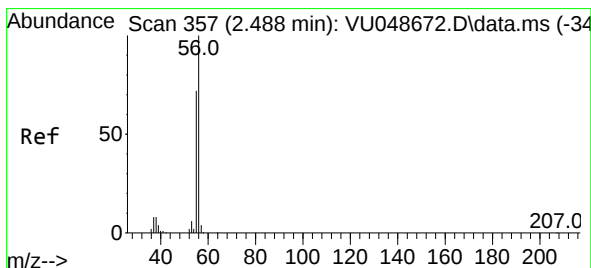
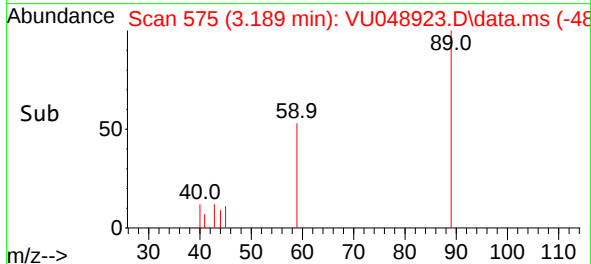
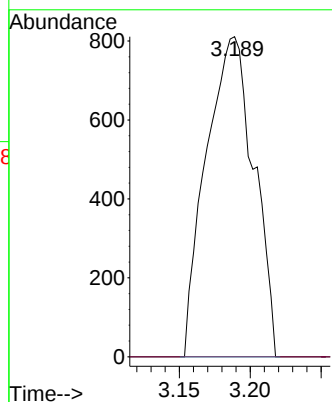
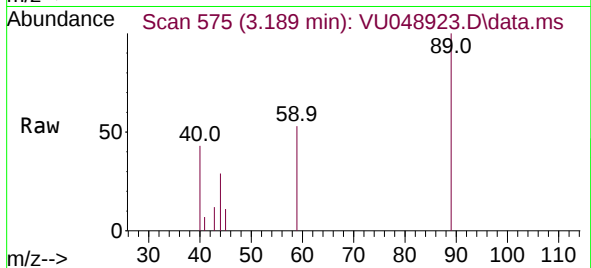




#11
Tert butyl alcohol
Concen: 2.051 ug/l
RT: 3.189 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

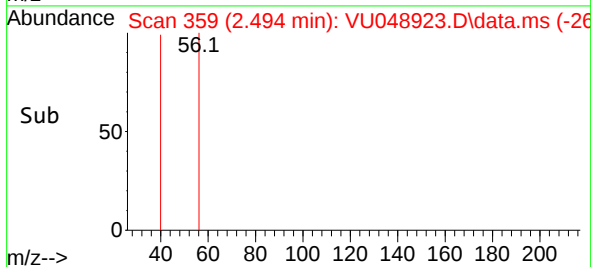
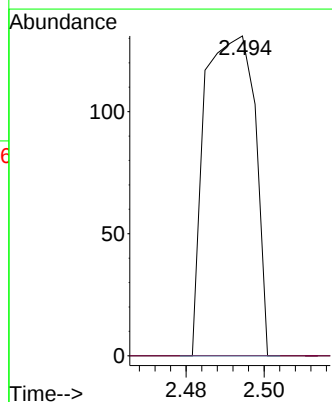
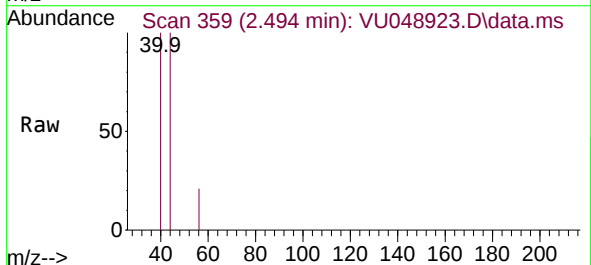
Instrument :
MSVOA_U
ClientSampleId :
62BR-20220601

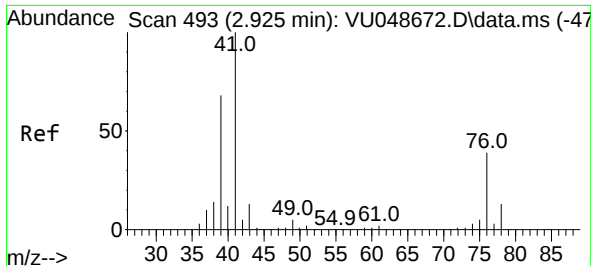
Tgt Ion: 59 Resp: 1899
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.494 min Scan# 359
Delta R.T. 0.006 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#

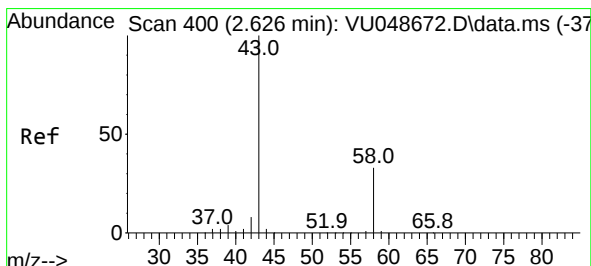
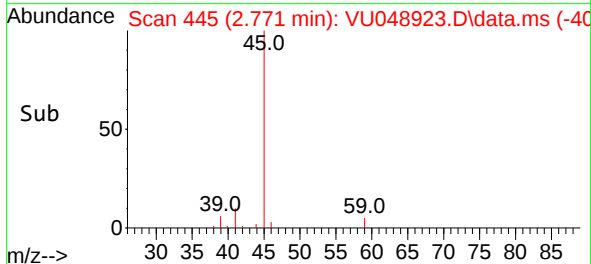
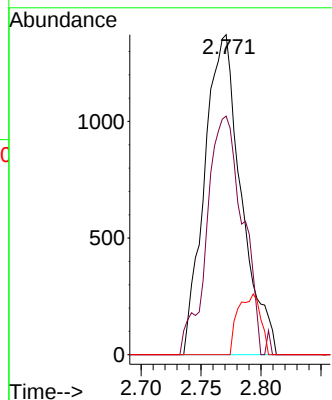
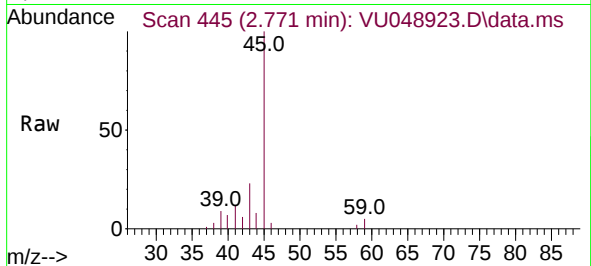




#14
 Allyl chloride
 Concen: 0.607 ug/l
 RT: 2.771 min Scan# 445
 Delta R.T. -0.154 min
 Lab File: VU048923.D
 Acq: 07 Jun 2022 20:33

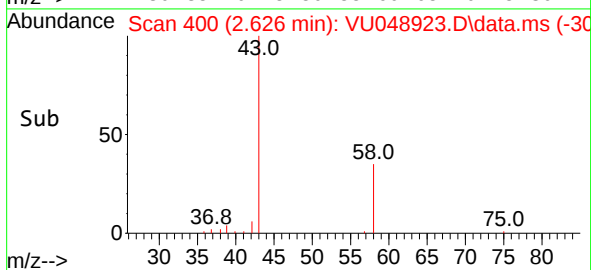
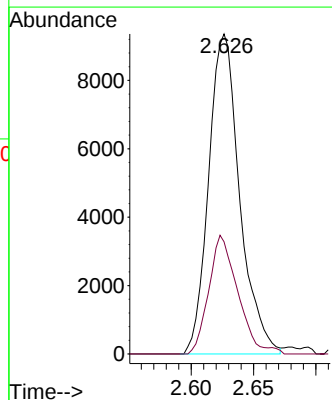
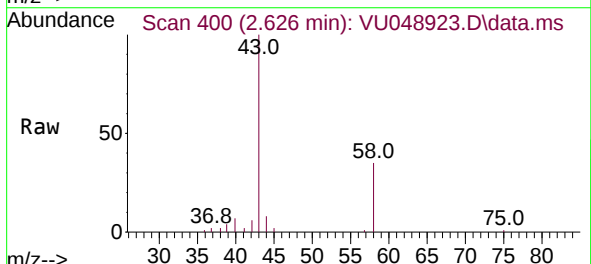
Instrument :
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 ClientSampleId :
 62BR-20220601

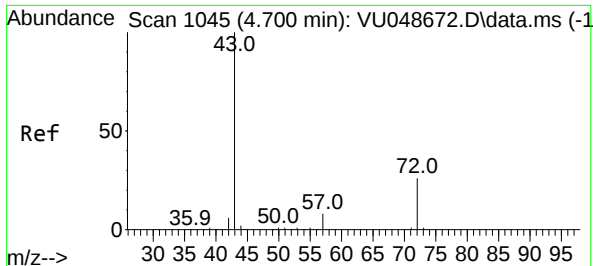
Tgt Ion: 41 Resp: 2912
 Ion Ratio Lower Upper
 41 100
 39 72.6 48.6 72.8
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 8.716 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU048923.D
 Acq: 07 Jun 2022 20:33

Tgt Ion: 43 Resp: 16222
 Ion Ratio Lower Upper
 43 100
 58 35.0 26.3 39.5





#25

2-Butanone

Concen: 61.245 ug/l

RT: 4.800 min Scan# 1

Delta R.T. 0.100 min

Lab File: VU048923.D

Acq: 07 Jun 2022 20:33

Instrument :

MSVOA_U

ClientSampleId :

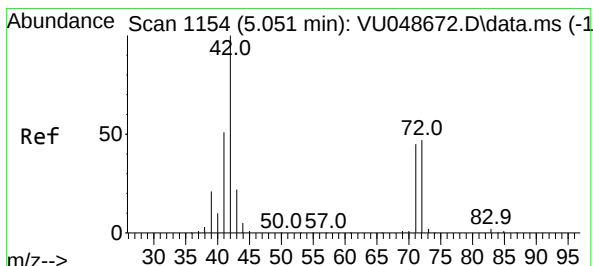
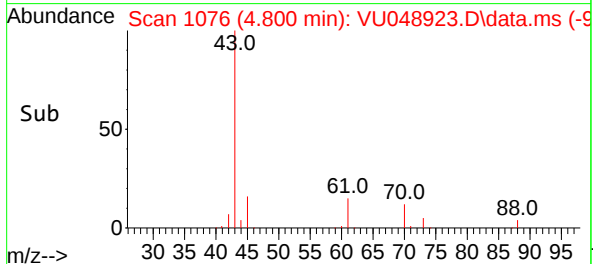
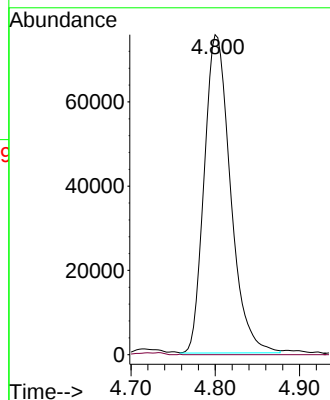
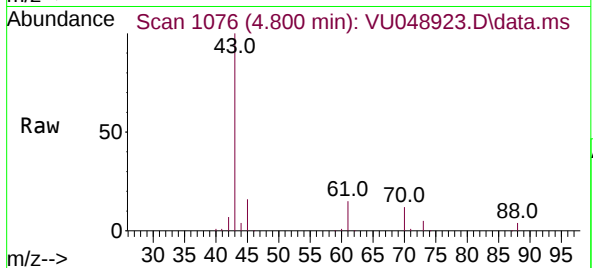
62BR-20220601

Tgt Ion: 43 Resp: 163756

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 1.374 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048923.D

Acq: 07 Jun 2022 20:33

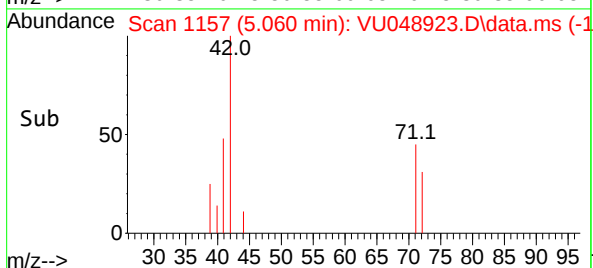
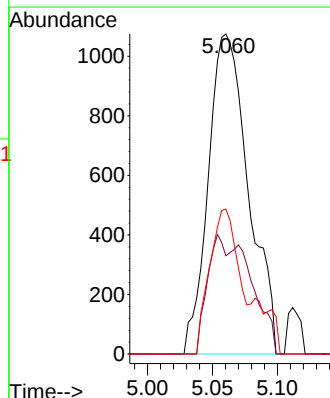
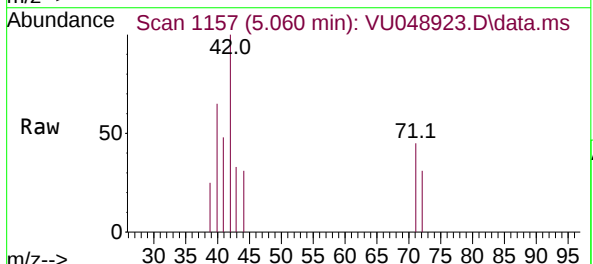
Tgt Ion: 42 Resp: 2314

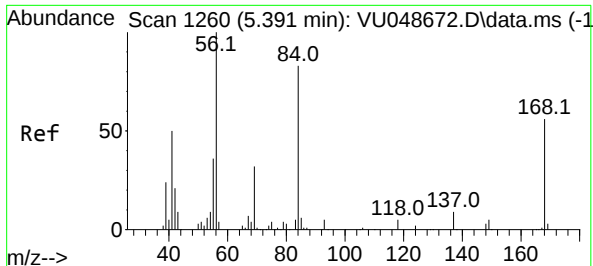
Ion Ratio Lower Upper

42 100

72 17.2 37.6 56.4#

71 33.7 35.0 52.4#

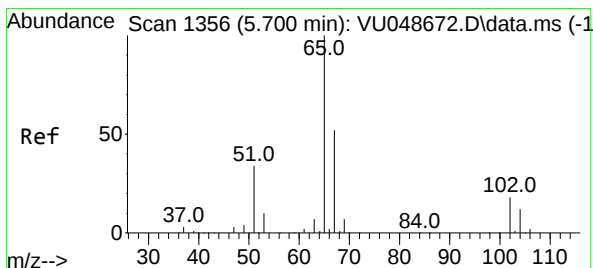
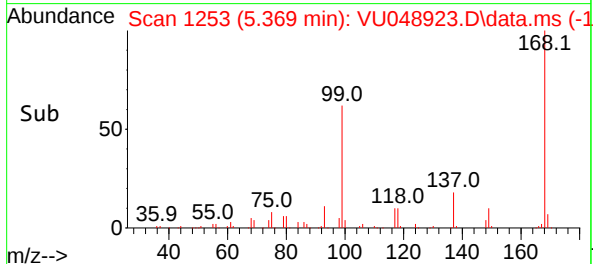
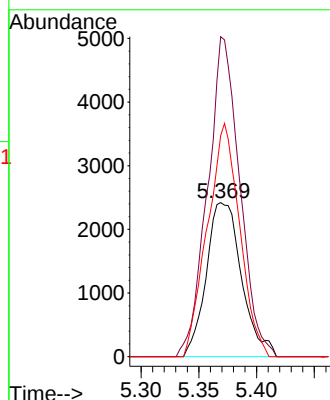
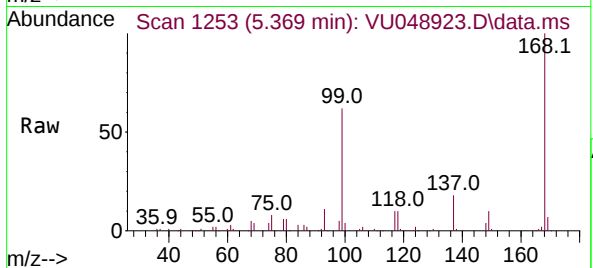




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.022 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

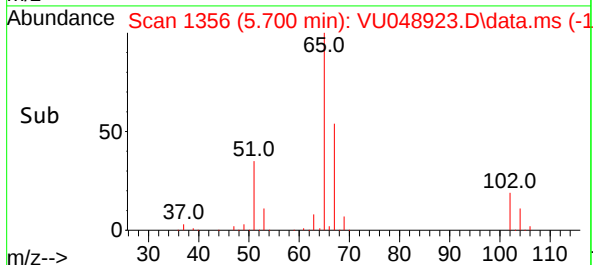
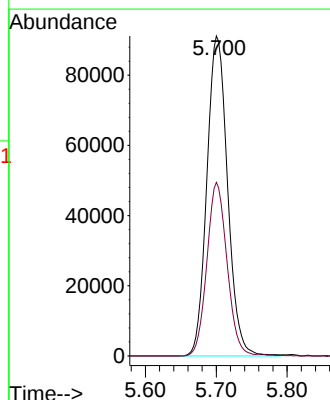
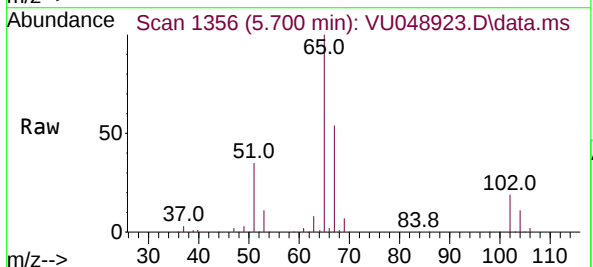
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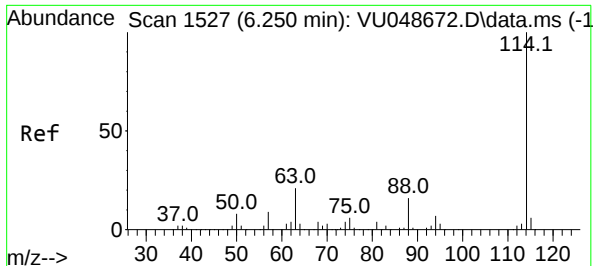
Tgt Ion: 56 Resp: 5137
Ion Ratio Lower Upper
56 100
69 207.8 25.6 38.4#
84 143.6 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 50.686 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Tgt Ion: 65 Resp: 185110
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048923.D

Acq: 07 Jun 2022 20:33

Instrument :

MSVOA_U

ClientSampleId :

62BR-20220601

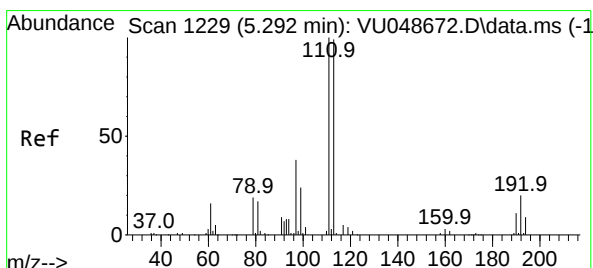
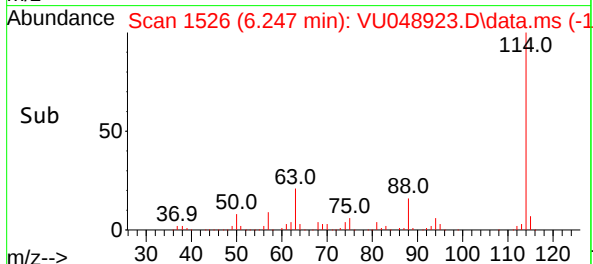
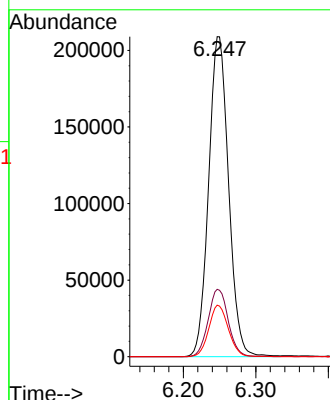
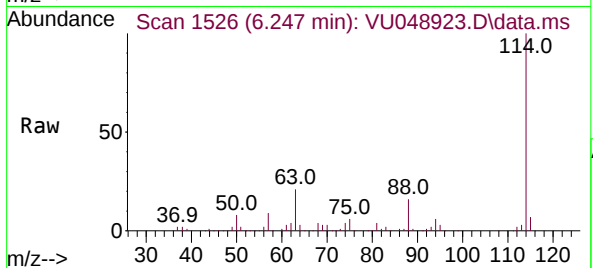
Tgt Ion:114 Resp: 398925

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 16.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.917 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048923.D

Acq: 07 Jun 2022 20:33

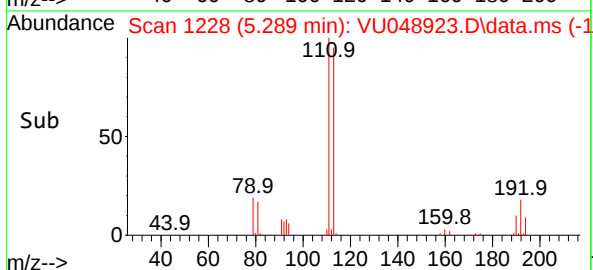
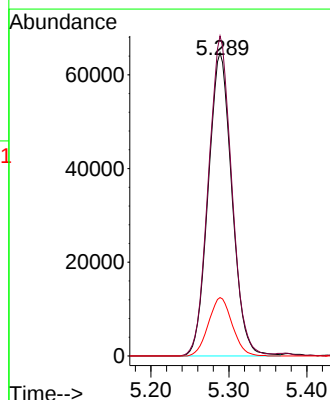
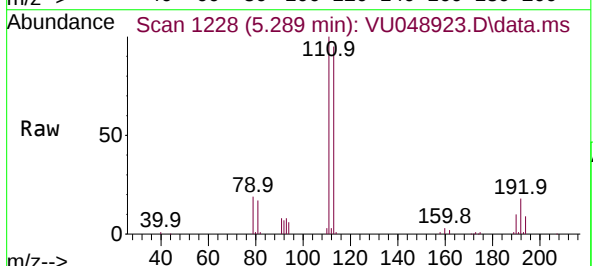
Tgt Ion:113 Resp: 136372

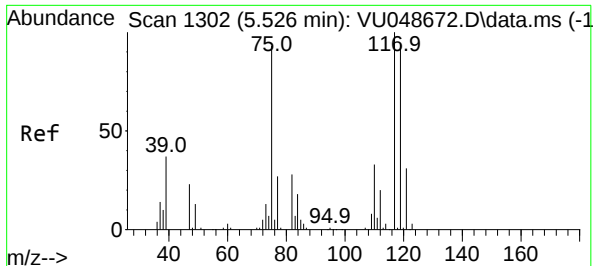
Ion Ratio Lower Upper

113 100

111 104.5 80.7 121.1

192 19.3 15.9 23.9

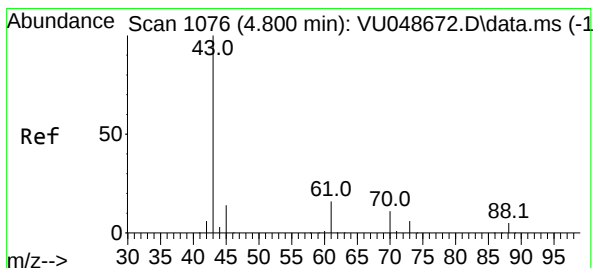
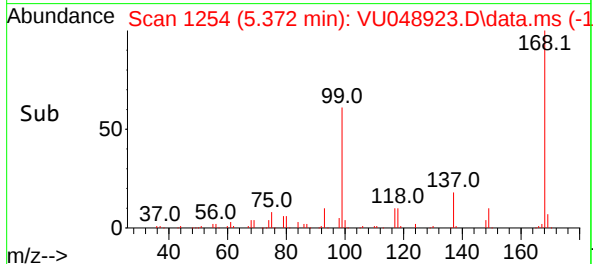
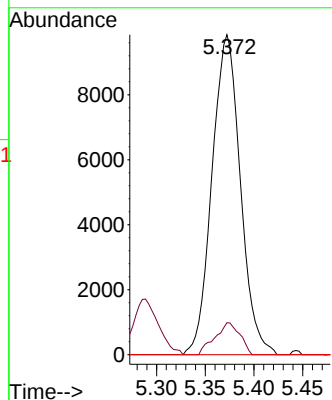
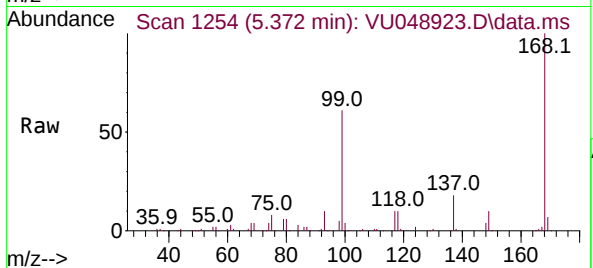




#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

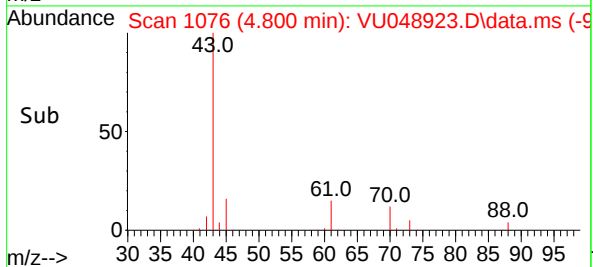
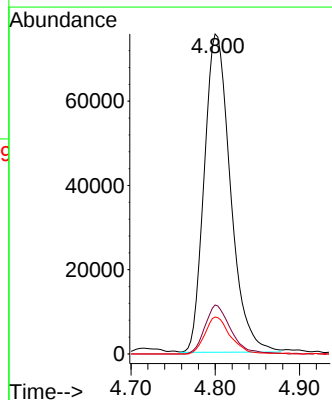
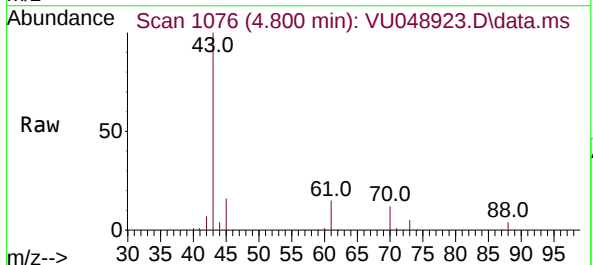
Instrument :
MSVOA_U
ClientSampleId :
62BR-20220601

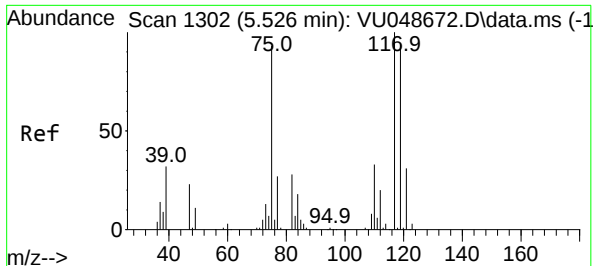
Tgt Ion: 75 Resp: 19965
Ion Ratio Lower Upper
75 100
110 8.8 17.4 52.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 31.185 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Tgt Ion: 43 Resp: 163756
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 11.1 8.4 12.6

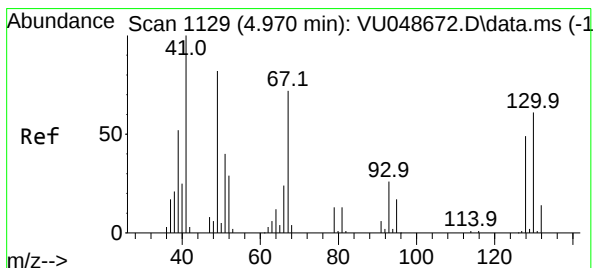
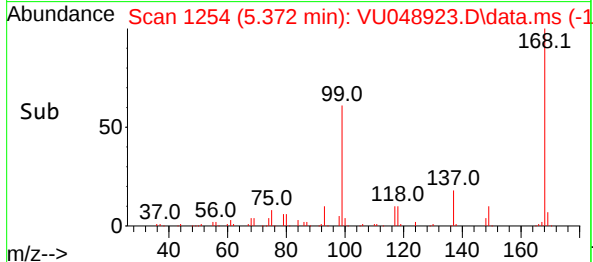
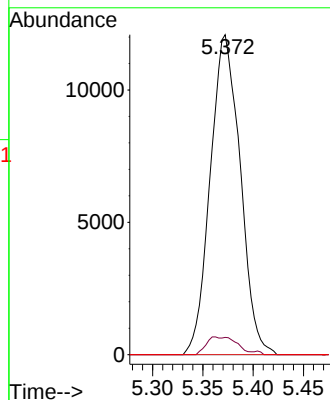
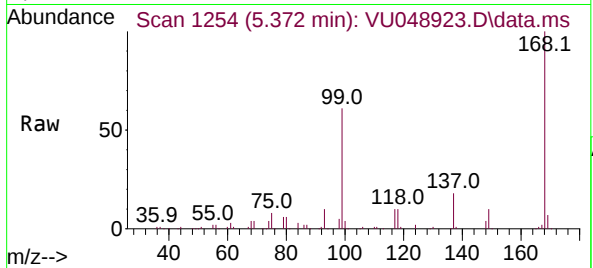




#38
Carbon Tetrachloride
Concen: 5.259 ug/l
RT: 5.372 min Scan# 1157
Delta R.T. -0.154 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

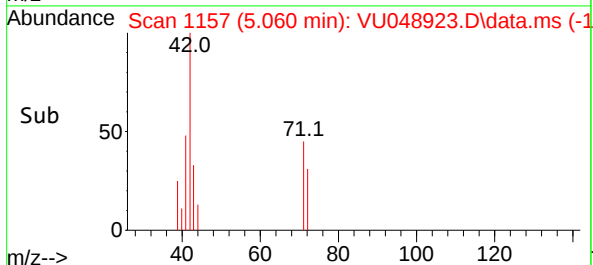
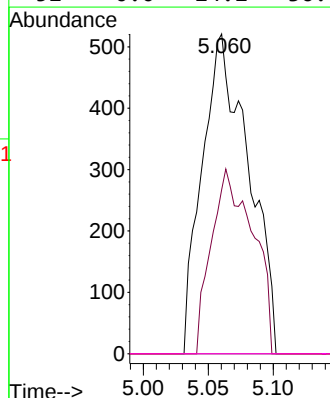
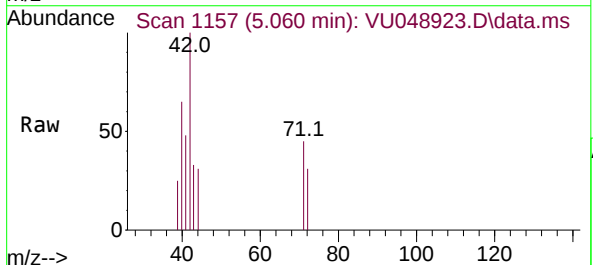
Instrument :
MSVOA_U
ClientSampleId :
62BR-20220601

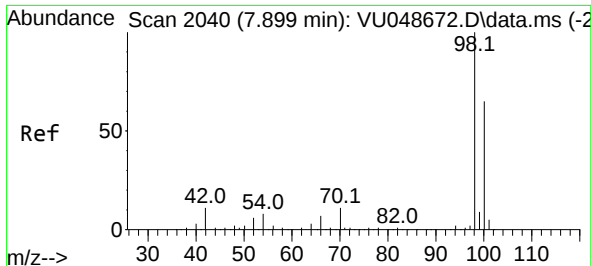
Tgt Ion:117 Resp: 25060
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.487 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.090 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Tgt Ion: 41 Resp: 1293
Ion Ratio Lower Upper
41 100
39 51.9 42.6 64.0
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#

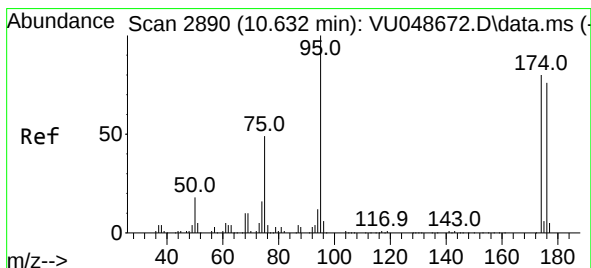
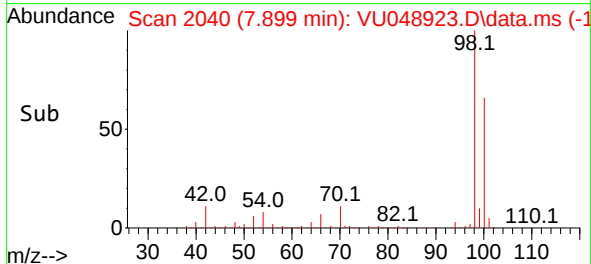
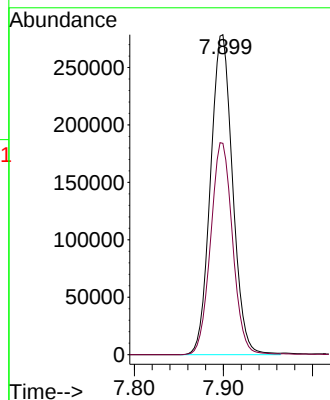
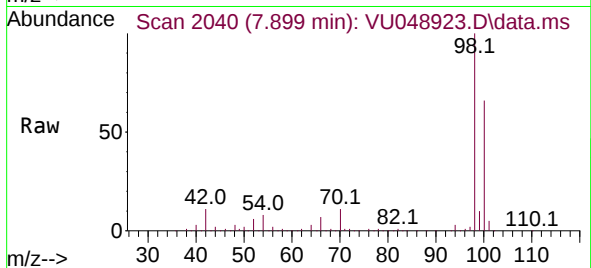




#50
Toluene-d8
Concen: 47.019 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

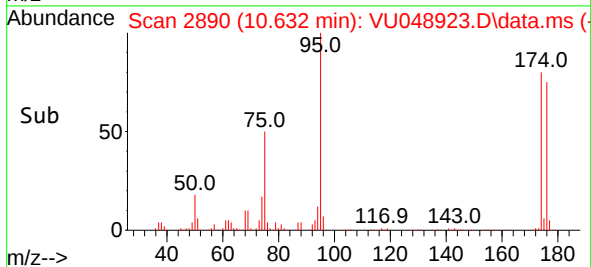
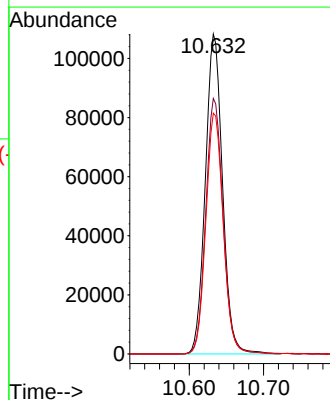
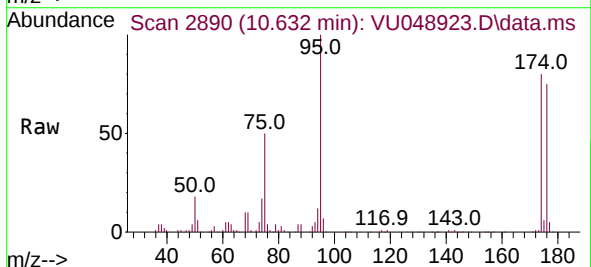
Instrument :
MSVOA_U
ClientSampleId :
62BR-20220601

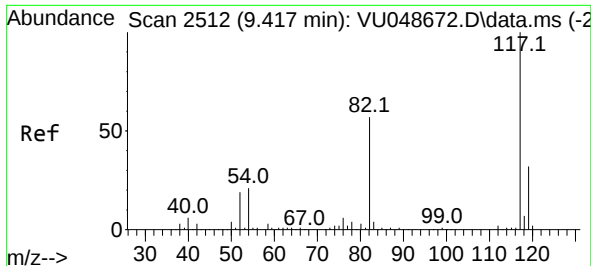
Tgt Ion: 98 Resp: 479690
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.131 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Tgt Ion: 95 Resp: 174127
Ion Ratio Lower Upper
95 100
174 80.6 0.0 159.4
176 76.1 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.417 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU048923.D

Acq: 07 Jun 2022 20:33

Instrument :

MSVOA_U

ClientSampleId :

62BR-20220601

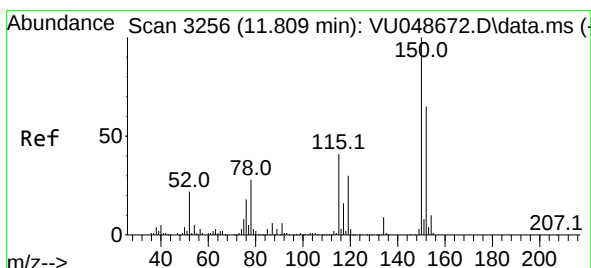
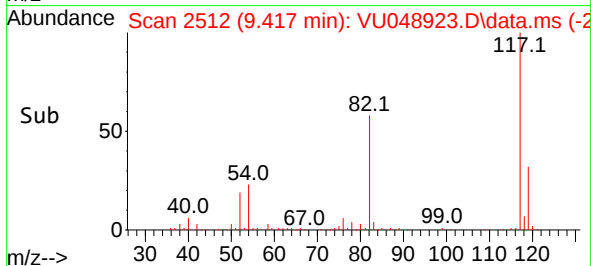
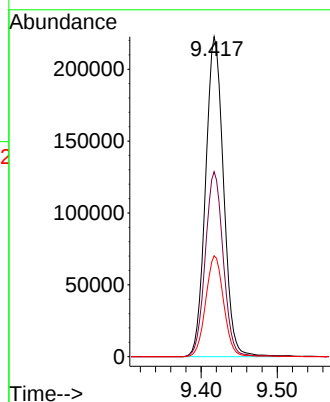
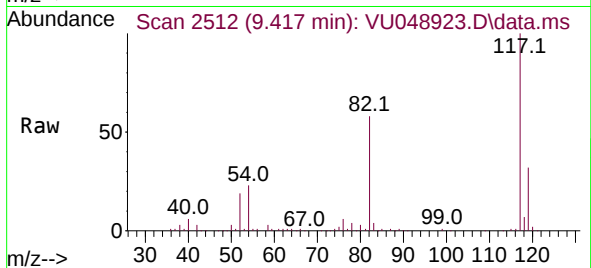
Tgt Ion:117 Resp: 365528

Ion Ratio Lower Upper

117 100

82 57.8 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: VU048923.D

Acq: 07 Jun 2022 20:33

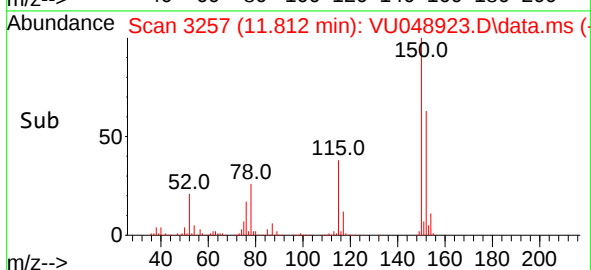
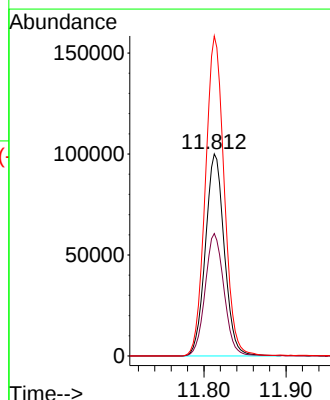
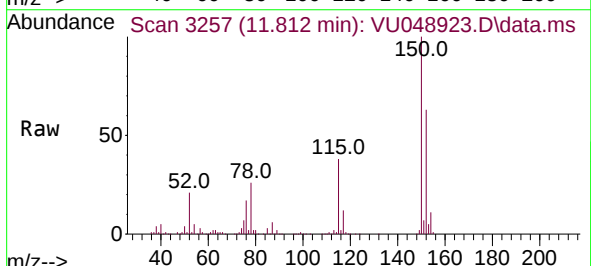
Tgt Ion:152 Resp: 160672

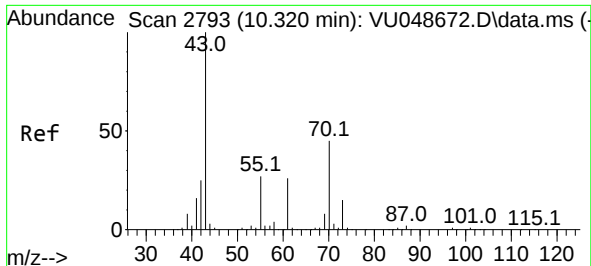
Ion Ratio Lower Upper

152 100

115 60.7 41.8 125.4

150 157.2 0.0 341.0

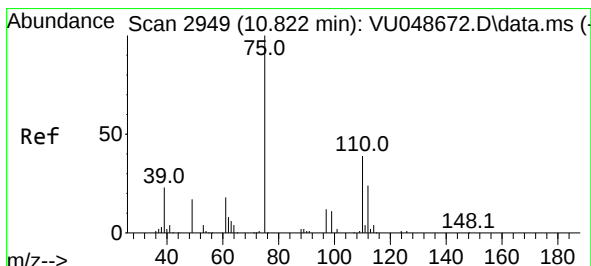
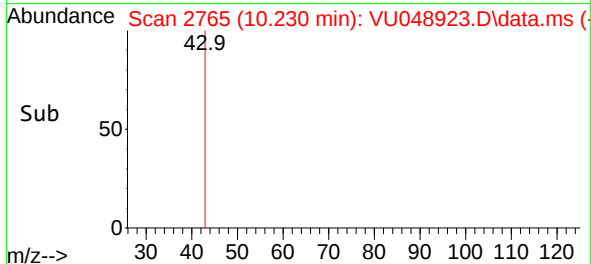
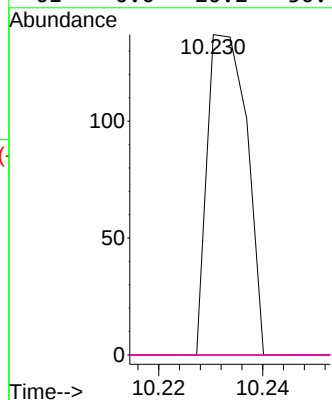
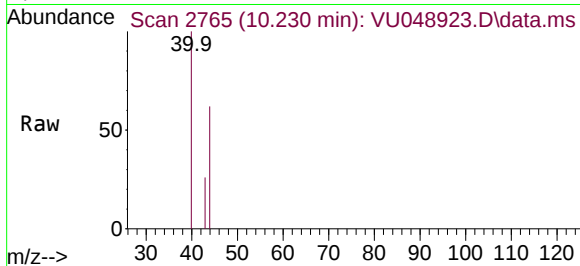




#74
N-amy1 acetate
Concen: 2.480 ug/l
RT: 10.230 min Scan# 21
Delta R.T. -0.090 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

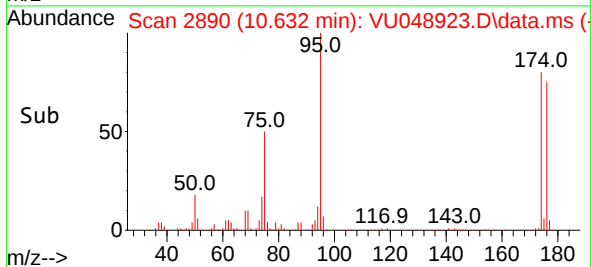
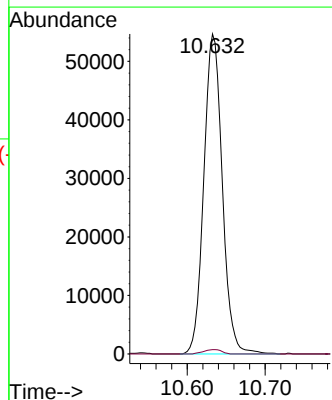
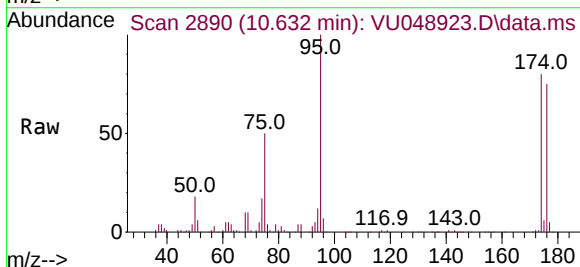
Instrument :
MSVOA_U
ClientSampleId :
62BR-20220601

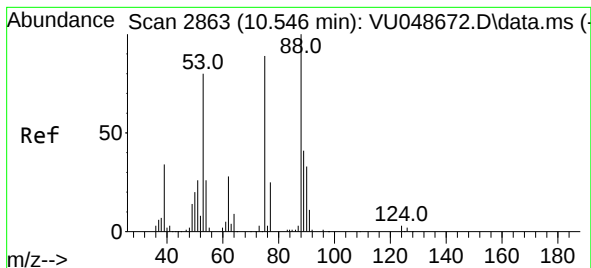
Tgt Ion:	43	Resp:	72
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.8	53.6#
55	0.0	21.1	31.7#
61	0.0	20.2	30.4#



#76
1,2,3-Trichloropropane
Concen: 17.372 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Tgt Ion:	75	Resp:	89996
Ion	Ratio	Lower	Upper
75	100		
77	1.3	14.8	44.3#

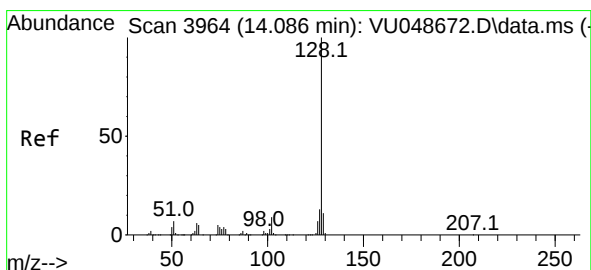
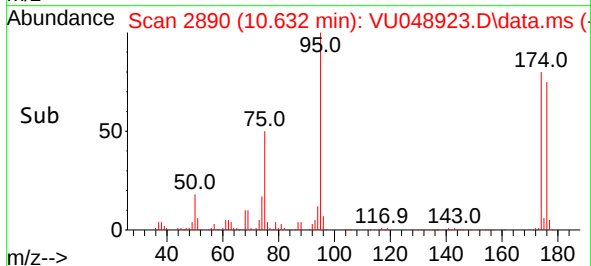
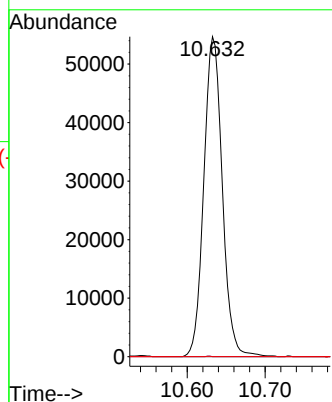
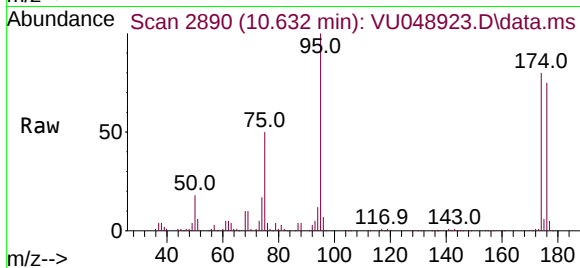




#81
trans-1,4-Dichloro-2-butene
Concen: 63.076 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Instrument :
MSVOA_U
ClientSampleId :
62BR-20220601

Tgt Ion: 75 Resp: 89996
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.548 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU048923.D
Acq: 07 Jun 2022 20:33

Tgt Ion: 128 Resp: 200
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

