

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048870.D
 Acq On : 03 Jun 2022 20:12
 Operator : SY/MD
 Sample : N3165-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 52BR-20220531

Quant Time: Jun 04 04:41:46 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)

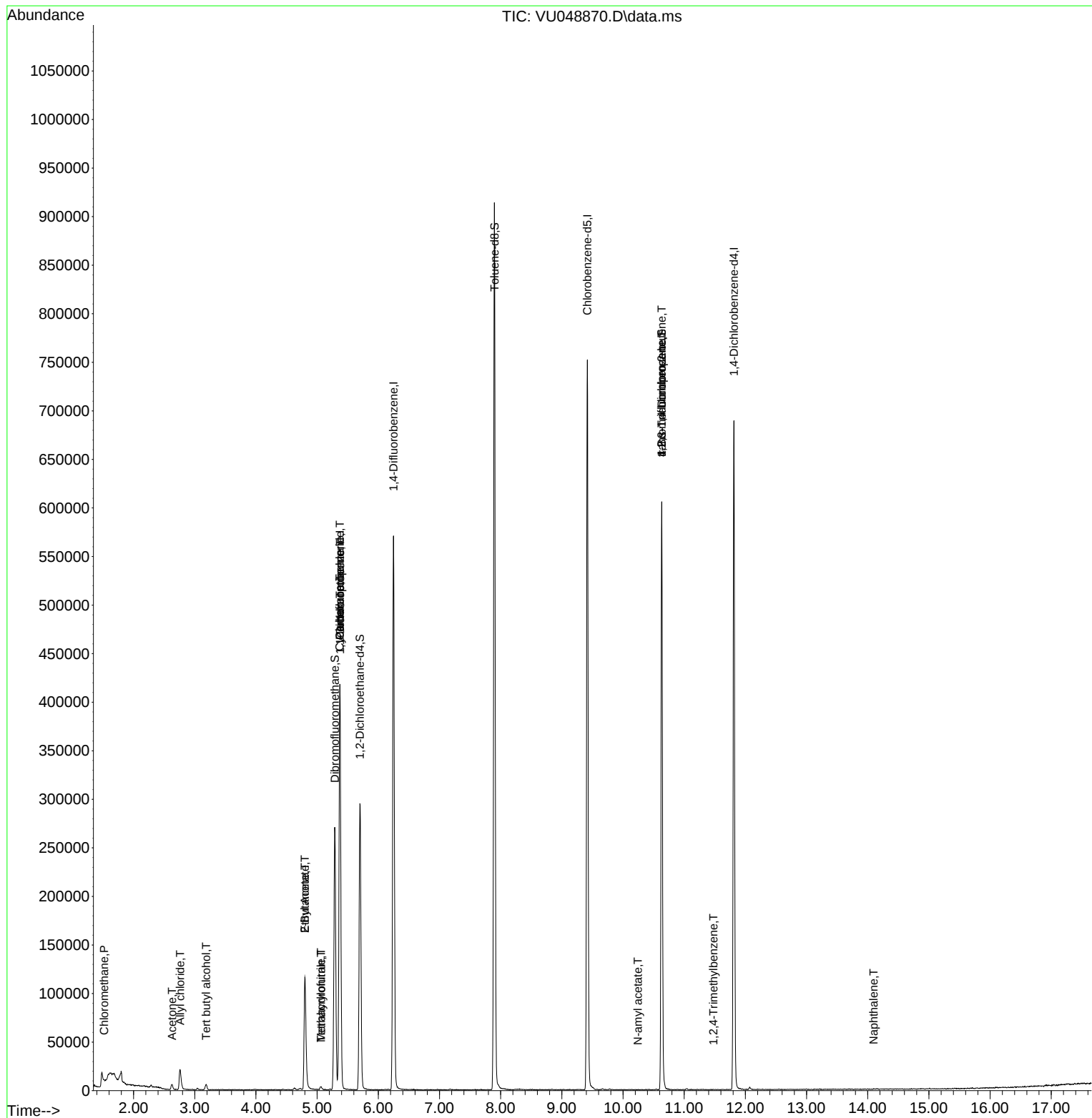
Internal Standards						
1) Pentafluorobenzene	5.372	168	277324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	455004	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	412327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	185059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	228449	54.851	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.700%	
35) Dibromofluoromethane	5.289	113	172281	53.073	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.140%	
50) Toluene-d8	7.899	98	604101	51.916	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.840%	
62) 4-Bromofluorobenzene	10.632	95	199109	45.245	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1115	0.273	ug/l	99
5) Bromomethane	1.842	94	220	Below Cal		97
6) Chloroethane	2.051	64	264	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	3744	3.546	ug/l #	28
13) Acrolein	2.482	56	99	Below Cal	#	46
14) Allyl chloride	2.761	41	2949	0.539	ug/l #	67
16) Acetone	2.629	43	6402	3.016	ug/l	98
25) 2-Butanone	4.800	43	151987	49.845	ug/l #	49
29) Tetrahydrofuran	5.063	42	2235	1.164	ug/l #	84
31) Cyclohexane	5.369	56	6183	1.178	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	23565	4.974	ug/l #	49
37) Ethyl Acetate	4.800	43	151987	25.377	ug/l	99
38) Carbon Tetrachloride	5.372	117	29001	5.336	ug/l #	16
41) Methacrylonitrile	5.063	41	1113	0.368	ug/l #	44
74) N-amyl acetate	10.243	43	21	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	104547	17.522	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	104547	63.619	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.478	105	141	1.199	ug/l #	31
95) Naphthalene	14.098	128	287	2.551	ug/l #	69

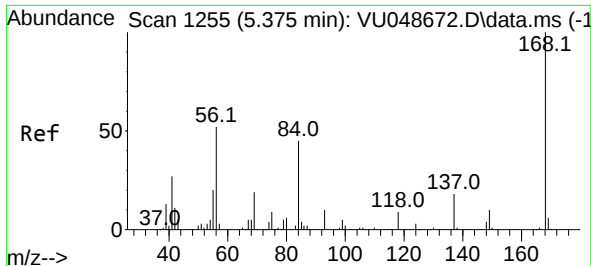
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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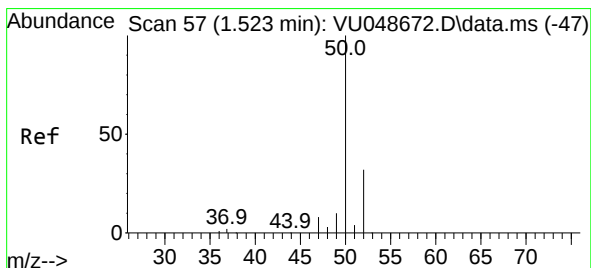
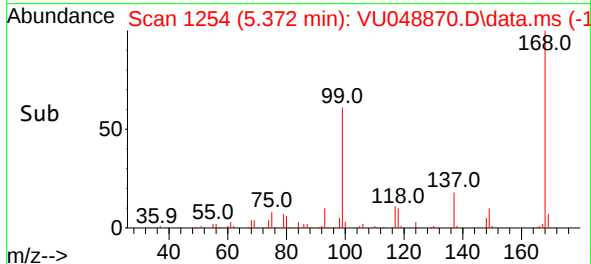
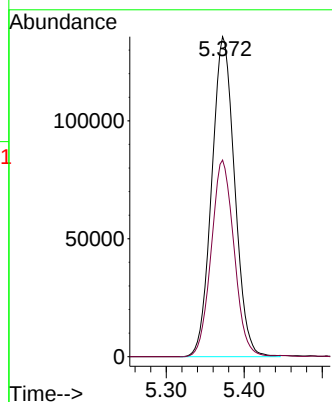
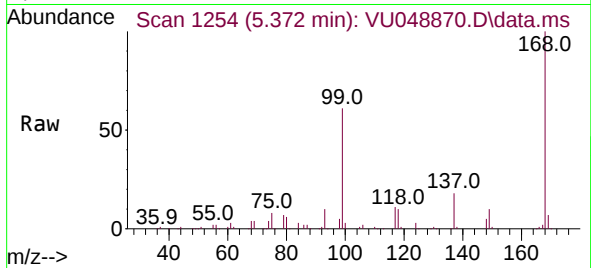




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

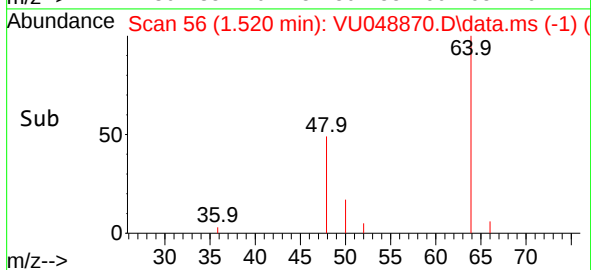
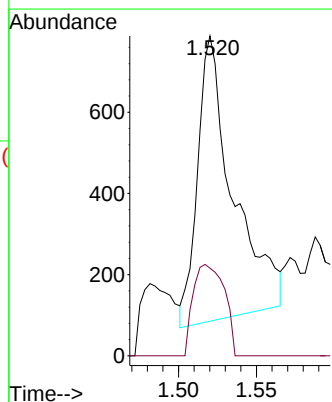
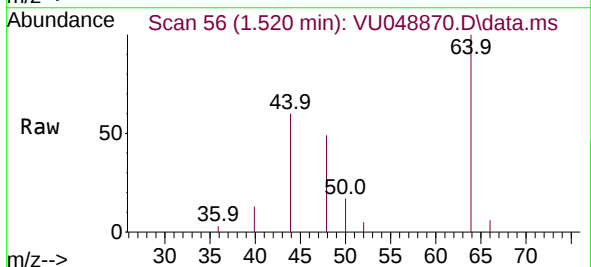
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

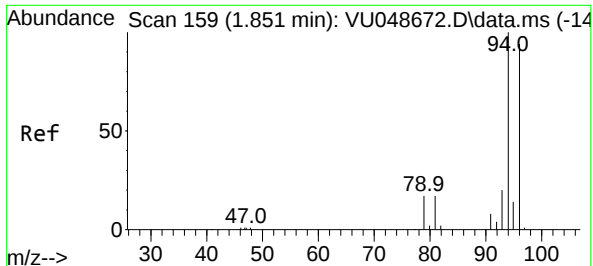
Tgt Ion:168 Resp: 277324
Ion Ratio Lower Upper
168 100
99 61.4 49.3 73.9



#3
Chloromethane
Concen: 0.273 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Tgt Ion: 50 Resp: 1115
Ion Ratio Lower Upper
50 100
52 32.5 25.7 38.5

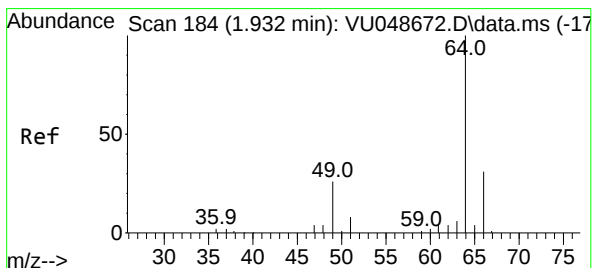
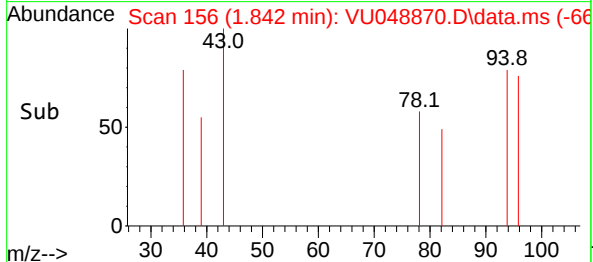
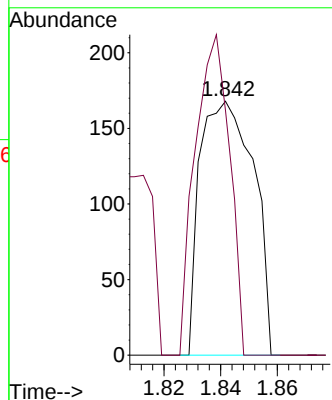
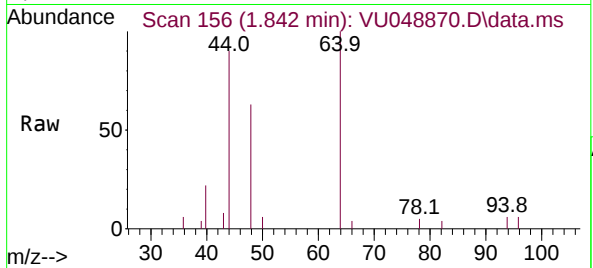




#5
Bromomethane
Concen: Below Cal
RT: 1.842 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

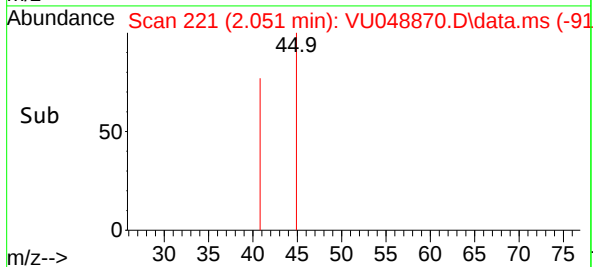
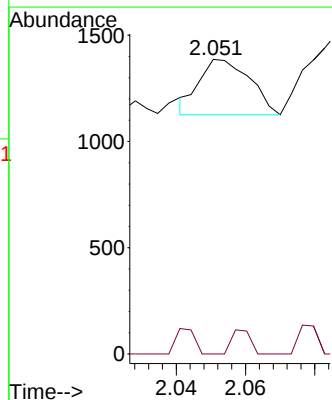
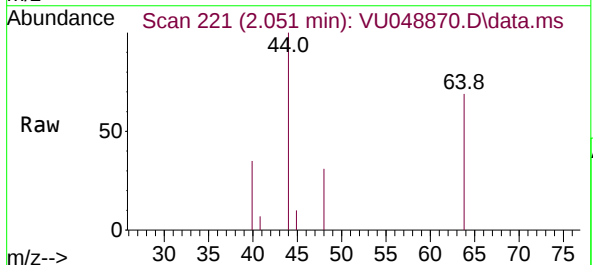
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

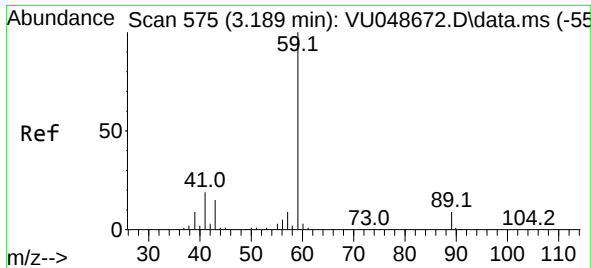
Tgt Ion: 94 Resp: 220
Ion Ratio Lower Upper
94 100
96 96.4 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 2.051 min Scan# 221
Delta R.T. 0.119 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Tgt Ion: 64 Resp: 264
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

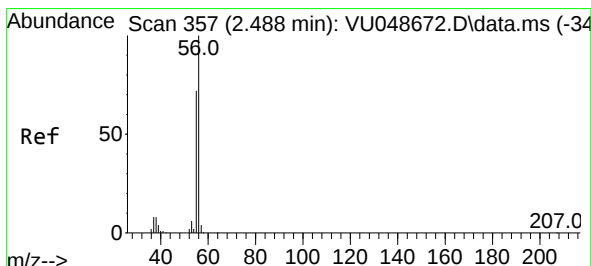
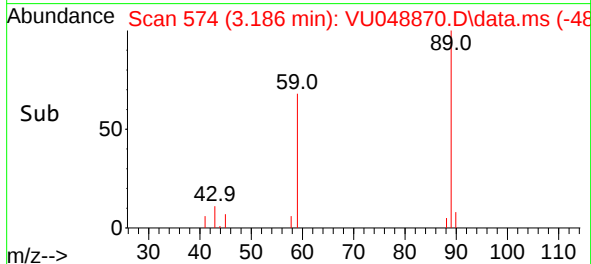
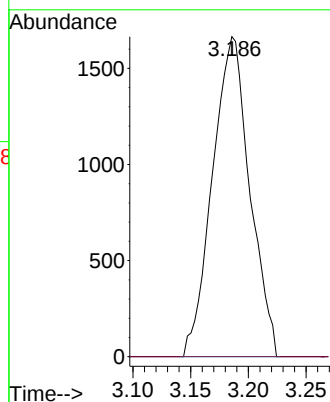
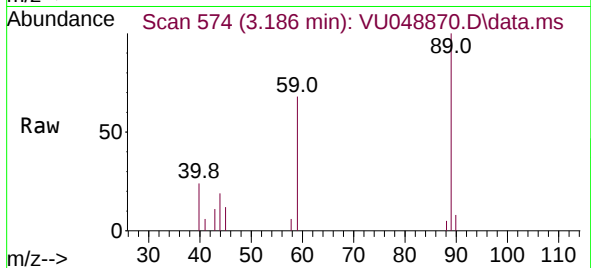




#11
Tert butyl alcohol
Concen: 3.546 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

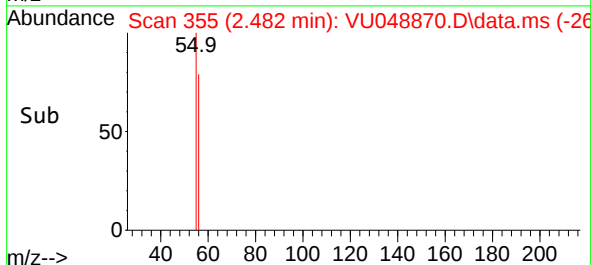
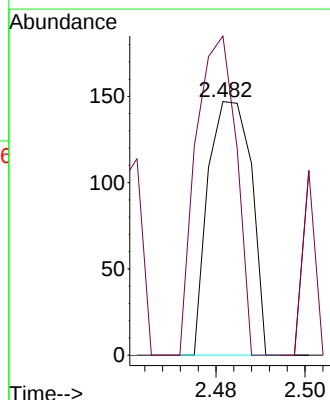
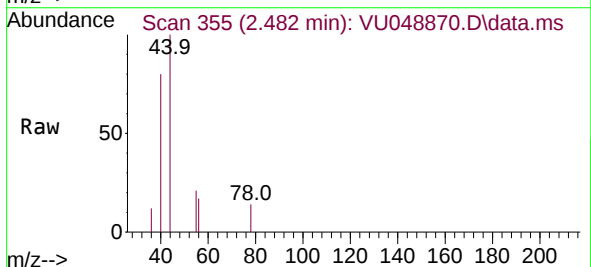
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

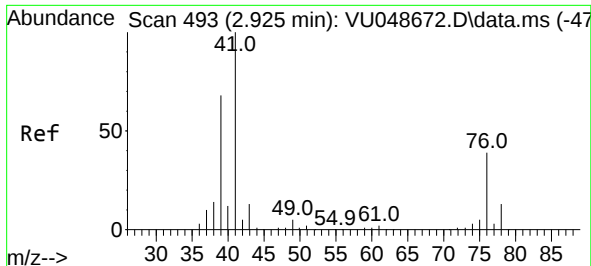
Tgt Ion: 59 Resp: 3744
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 355
Delta R.T. -0.006 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 117.2 57.7 86.5#

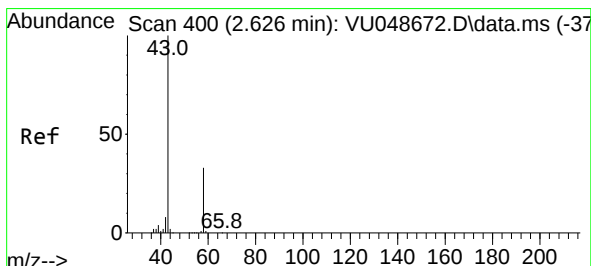
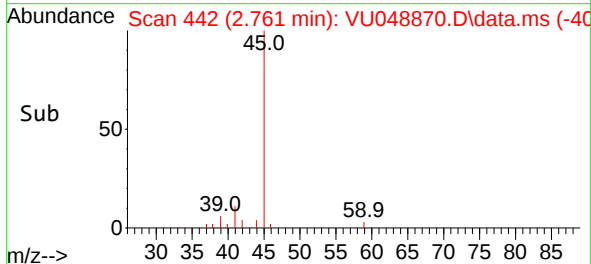
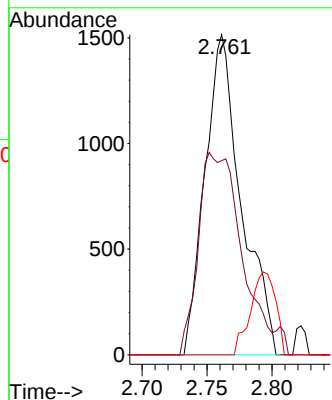
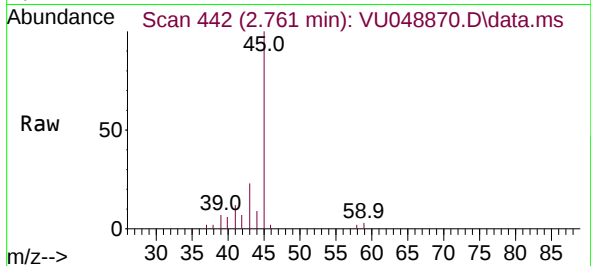




#14
 Allyl chloride
 Concen: 0.539 ug/l
 RT: 2.761 min Scan# 41
 Delta R.T. -0.164 min
 Lab File: VU048870.D
 Acq: 03 Jun 2022 20:12

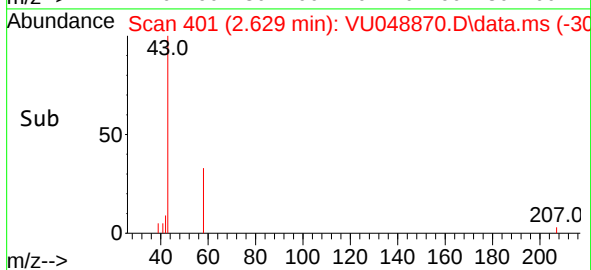
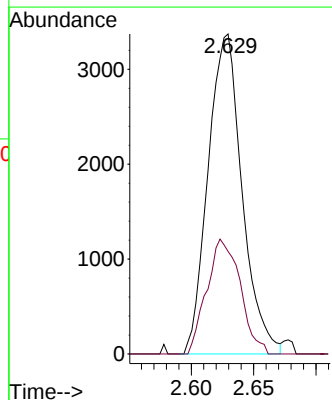
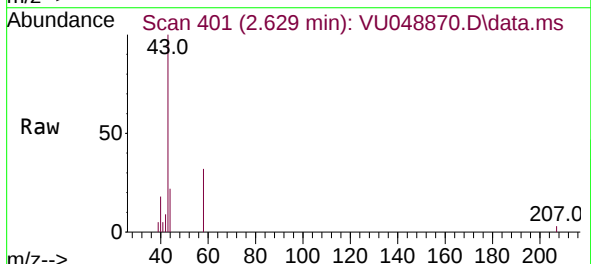
Instrument :
 MSVOA_U
 ClientSampleId :
 52BR-20220531

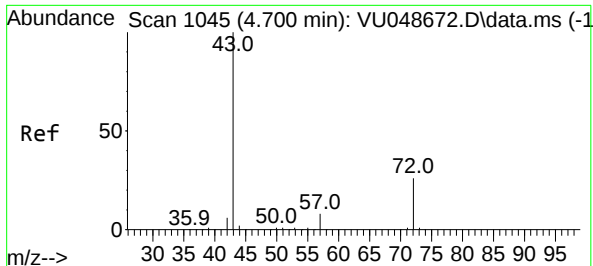
Tgt Ion: 41 Resp: 2949
 Ion Ratio Lower Upper
 41 100
 39 74.3 48.6 72.8#
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 3.016 ug/l
 RT: 2.629 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU048870.D
 Acq: 03 Jun 2022 20:12

Tgt Ion: 43 Resp: 6402
 Ion Ratio Lower Upper
 43 100
 58 32.0 26.3 39.5





#25

2-Butanone

Concen: 49.845 ug/l

RT: 4.800 min Scan# 1

Delta R.T. 0.100 min

Lab File: VU048870.D

Acq: 03 Jun 2022 20:12

Instrument :

MSVOA_U

ClientSampleId :

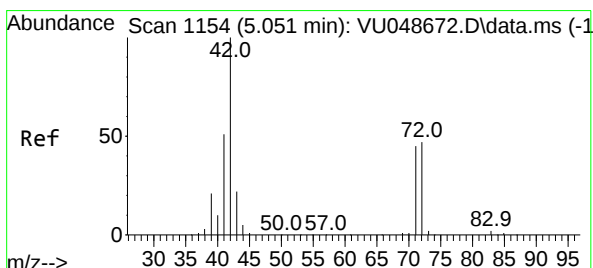
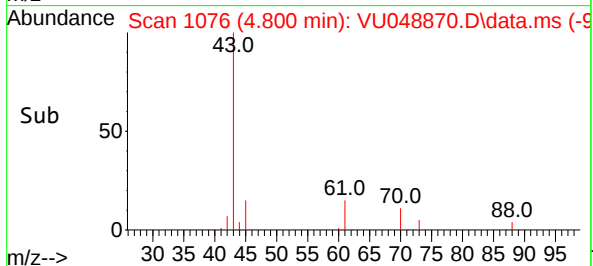
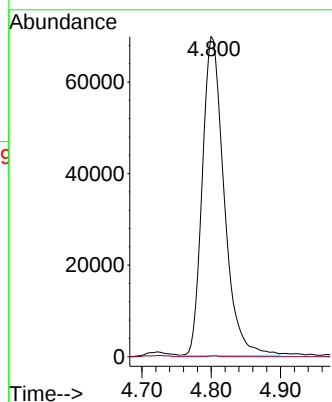
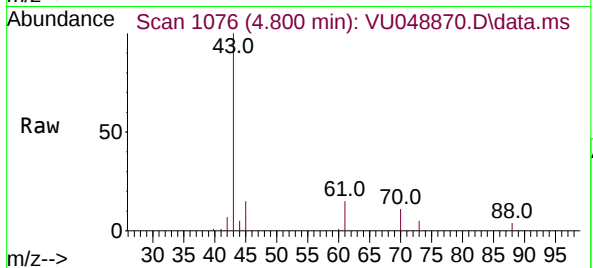
52BR-20220531

Tgt Ion: 43 Resp: 151987

Ion Ratio Lower Upper

43 100

72 0.2 21.1 31.7#



#29

Tetrahydrofuran

Concen: 1.164 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU048870.D

Acq: 03 Jun 2022 20:12

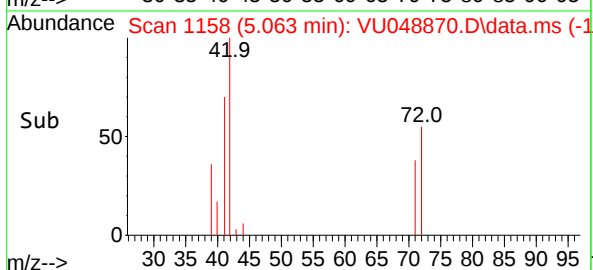
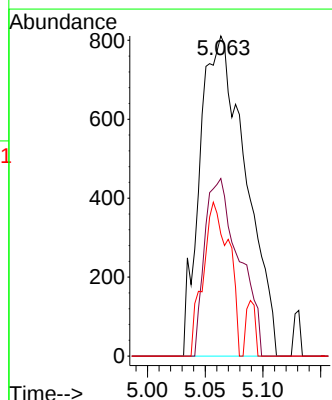
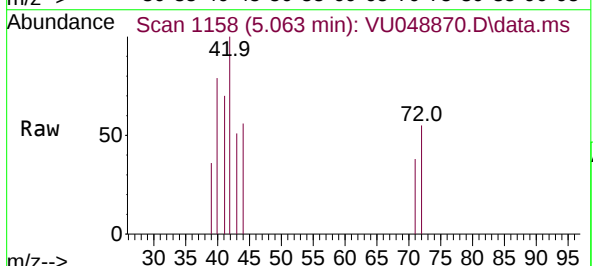
Tgt Ion: 42 Resp: 2235

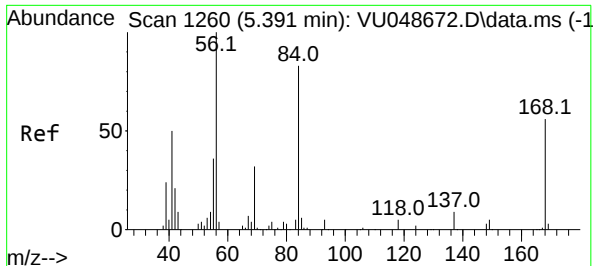
Ion Ratio Lower Upper

42 100

72 41.6 37.6 56.4

71 27.2 35.0 52.4#





#31

Cyclohexane

Concen: 1.178 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.022 min

Lab File: VU048870.D

Acq: 03 Jun 2022 20:12

Instrument :

MSVOA_U

ClientSampleId :

52BR-20220531

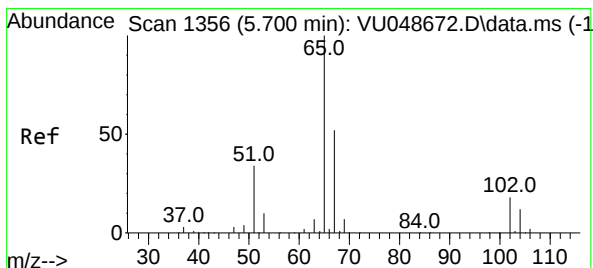
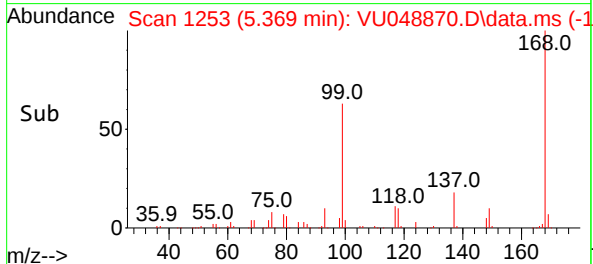
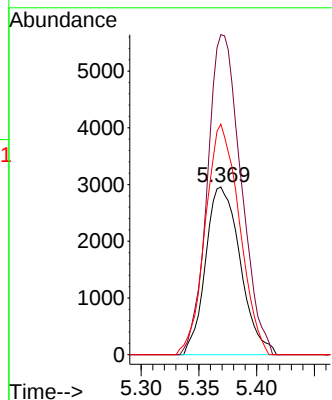
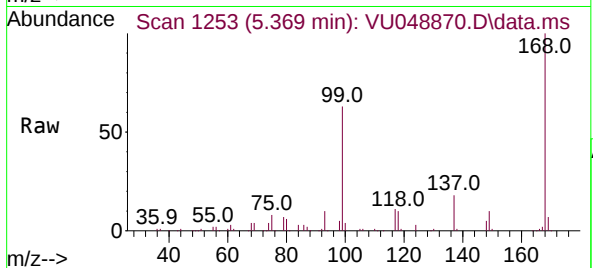
Tgt Ion: 56 Resp: 6183

Ion Ratio Lower Upper

56 100

69 190.8 25.6 38.4#

84 137.5 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 54.851 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU048870.D

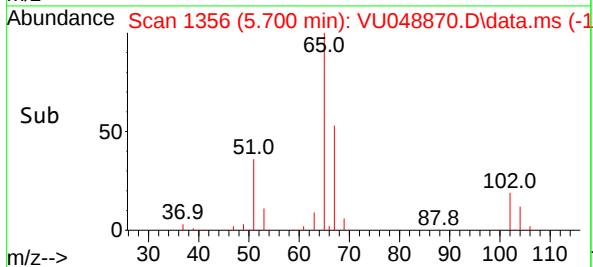
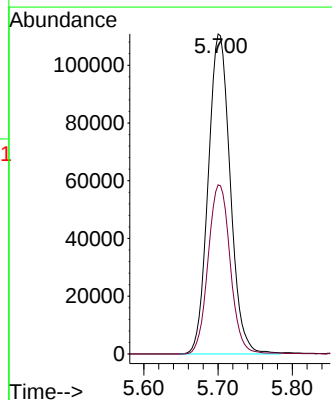
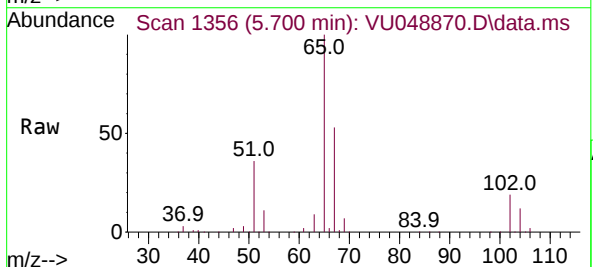
Acq: 03 Jun 2022 20:12

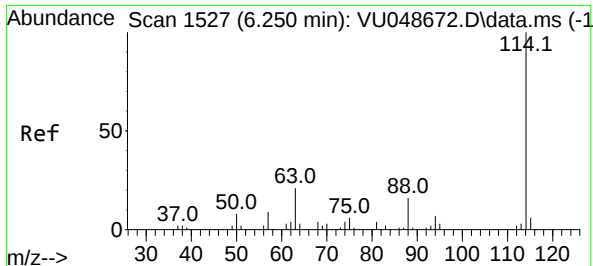
Tgt Ion: 65 Resp: 228449

Ion Ratio Lower Upper

65 100

67 53.0 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: VU048870.D

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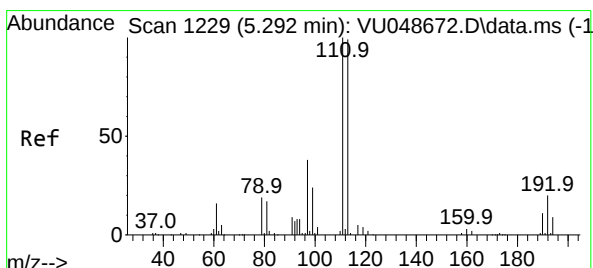
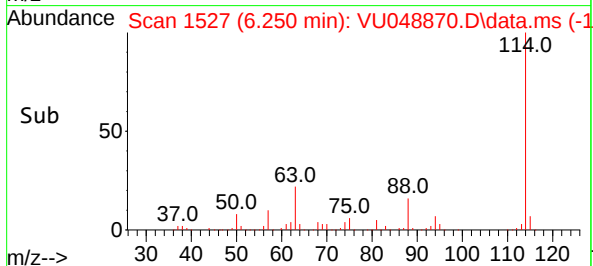
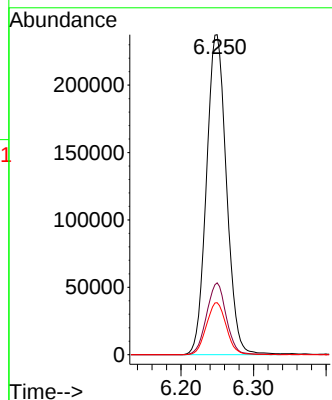
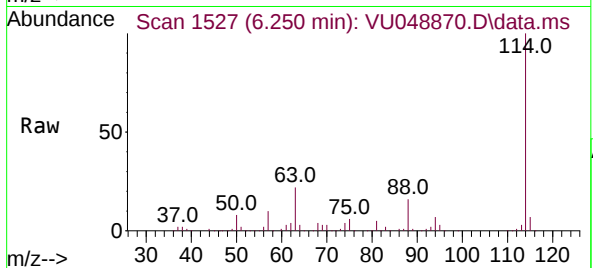
Tgt Ion:114 Resp: 455004

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

88 16.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.073 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048870.D

Acq: 03 Jun 2022 20:12

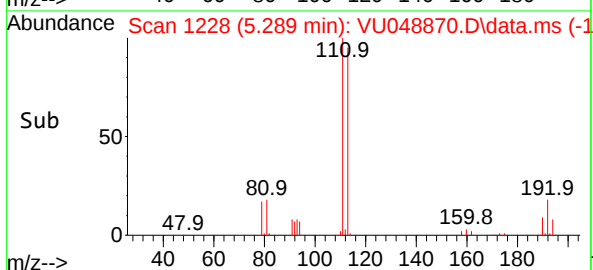
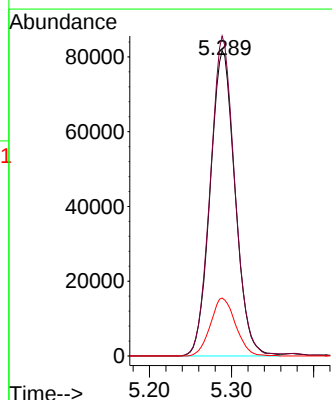
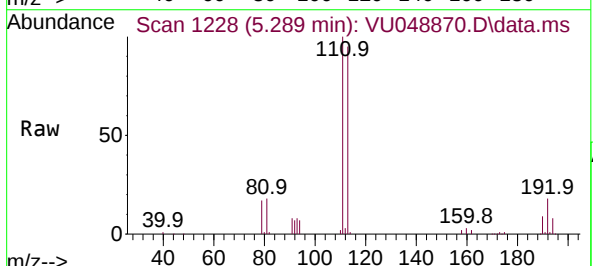
Tgt Ion:113 Resp: 172281

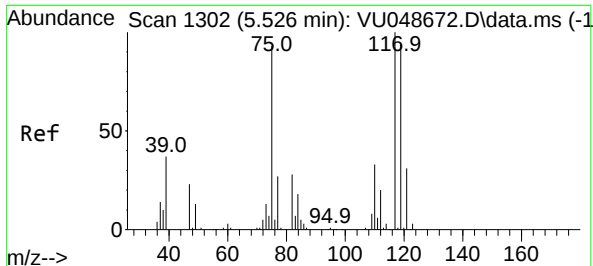
Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

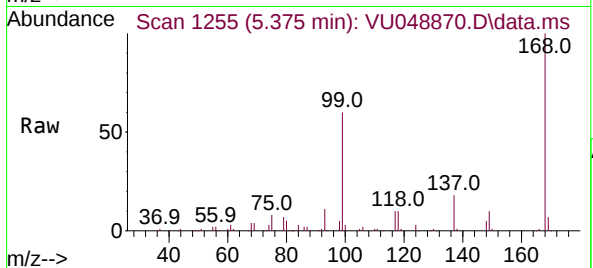
192 19.2 15.9 23.9



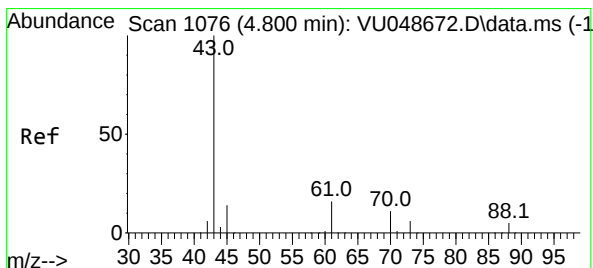
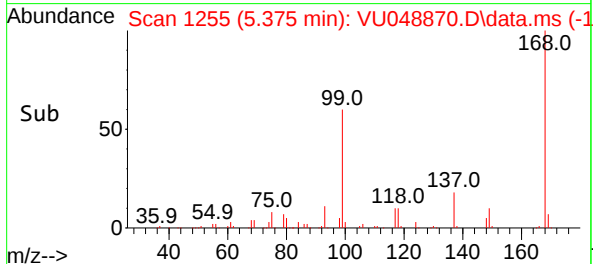
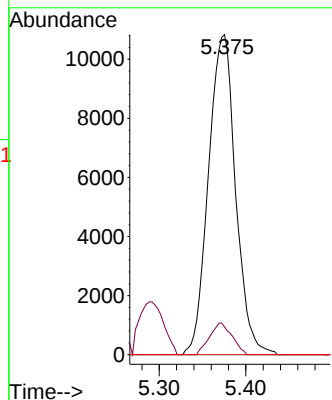


#36
1,1-Dichloropropene
Concen: 4.974 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

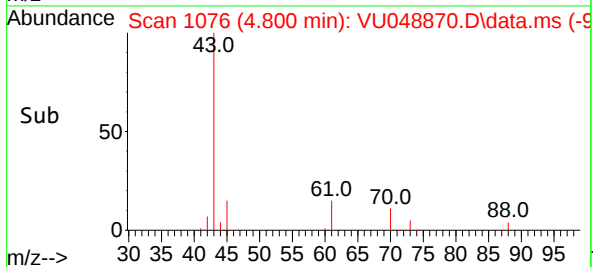
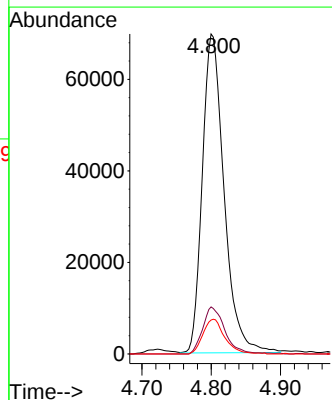
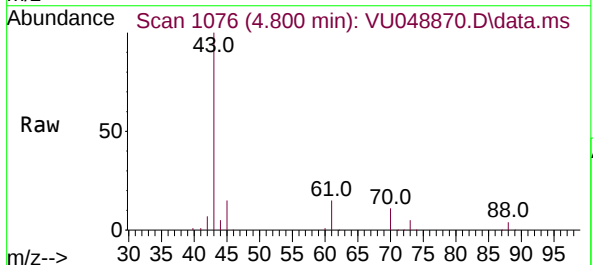


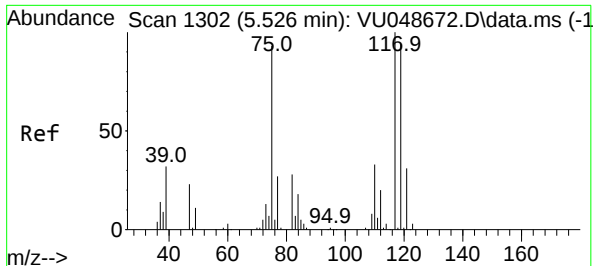
Tgt Ion: 75 Resp: 23565
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 25.377 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

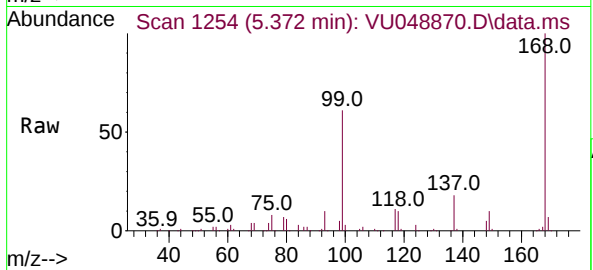
Tgt Ion: 43 Resp: 151987
Ion Ratio Lower Upper
43 100
61 14.9 11.7 17.5
70 10.8 8.4 12.6



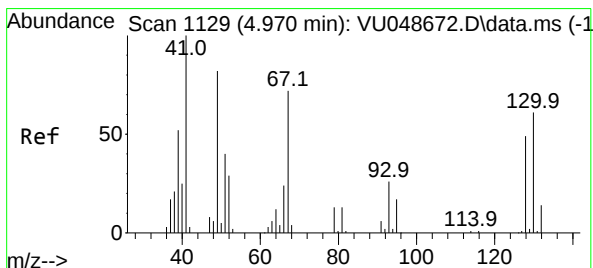
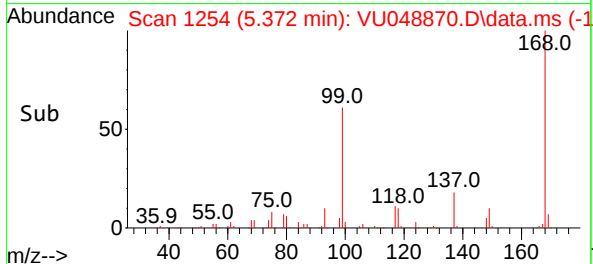
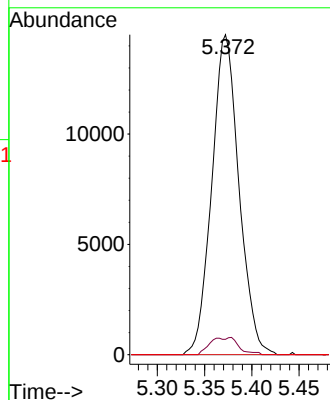


#38
Carbon Tetrachloride
Concen: 5.336 ug/l
RT: 5.372 min Scan# 1154
Delta R.T. -0.154 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

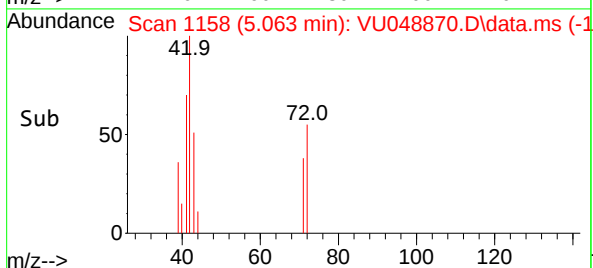
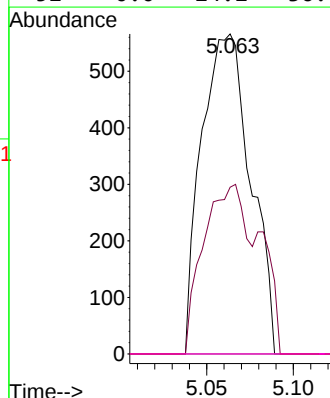
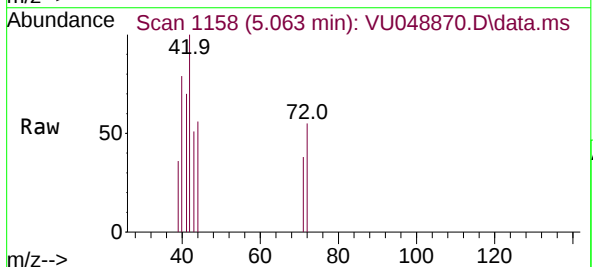


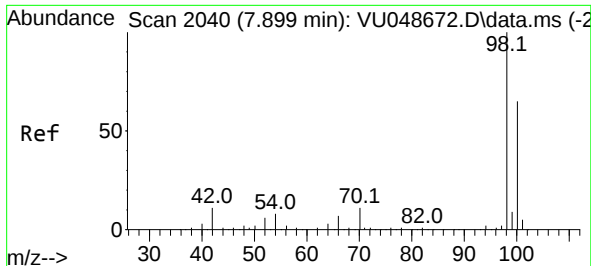
Tgt Ion:117 Resp: 29001
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.368 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.093 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Tgt Ion: 41 Resp: 1113
Ion Ratio Lower Upper
41 100
39 47.4 42.6 64.0
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#

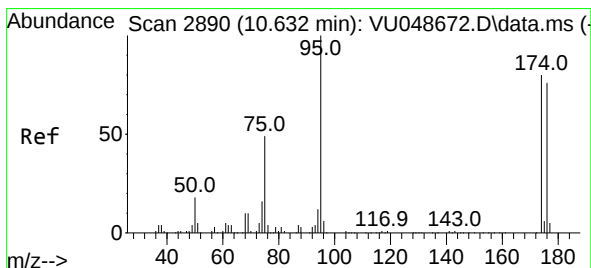
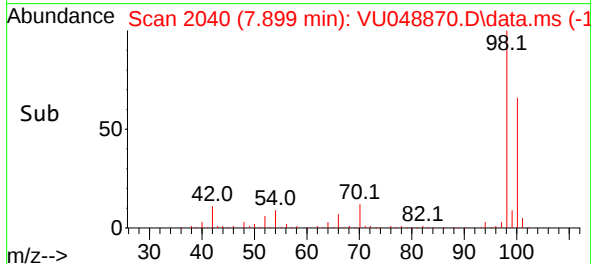
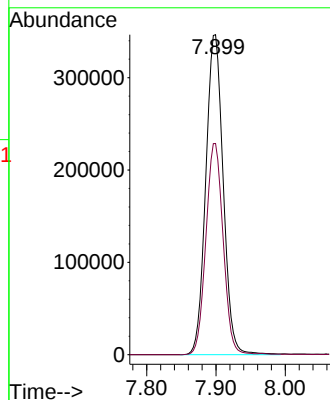
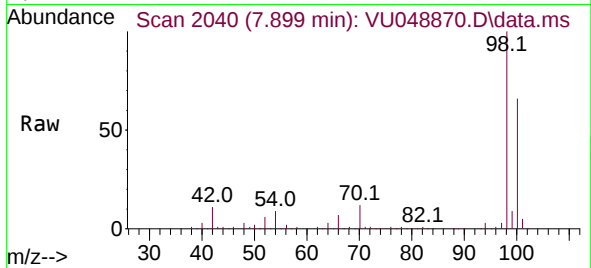




#50
Toluene-d8
Concen: 51.916 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

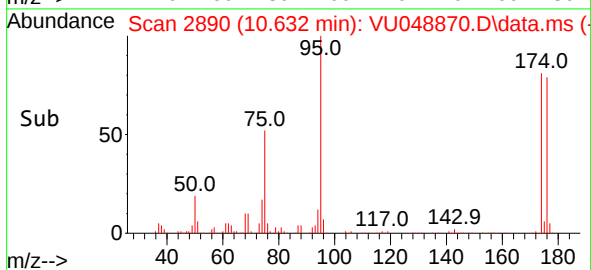
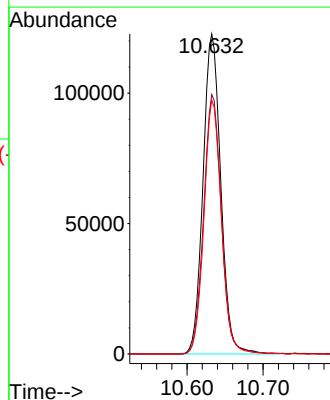
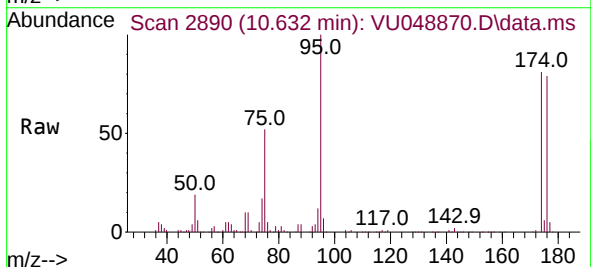
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

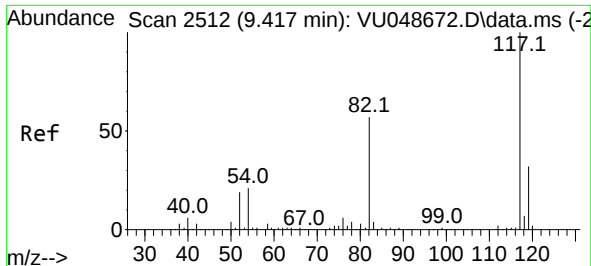
Tgt Ion: 98 Resp: 604101
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.245 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Tgt Ion: 95 Resp: 199109
Ion Ratio Lower Upper
95 100
174 80.9 0.0 159.4
176 78.0 0.0 152.4

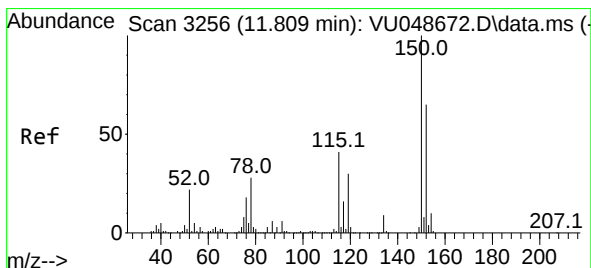
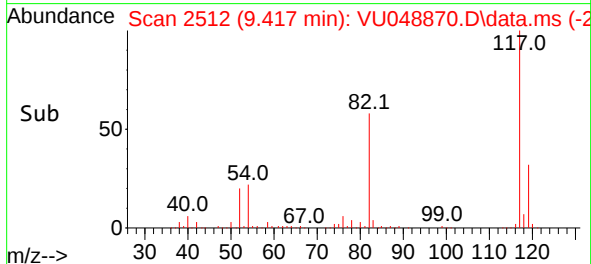
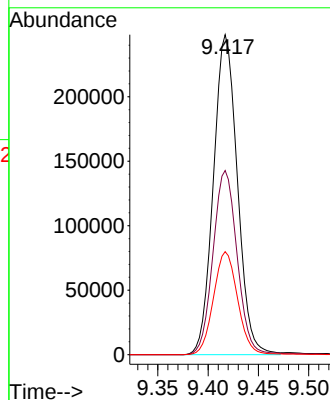
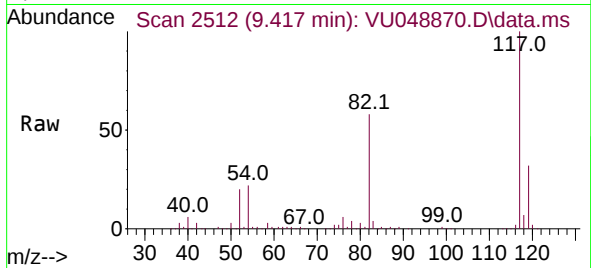




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

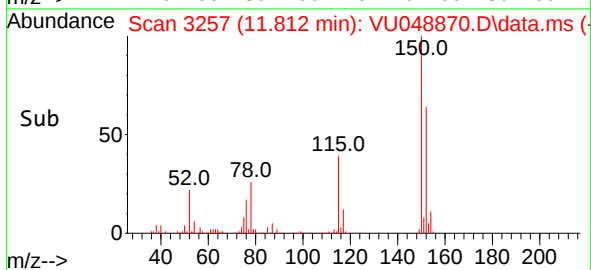
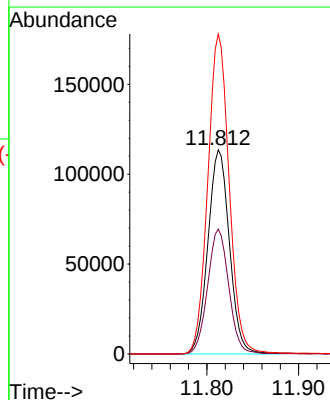
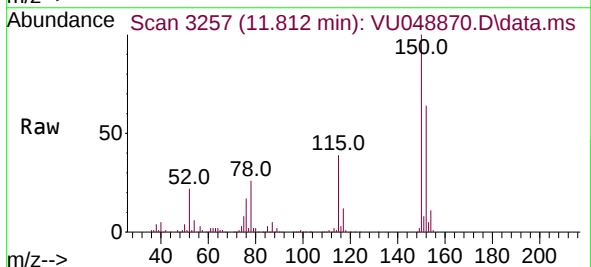
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

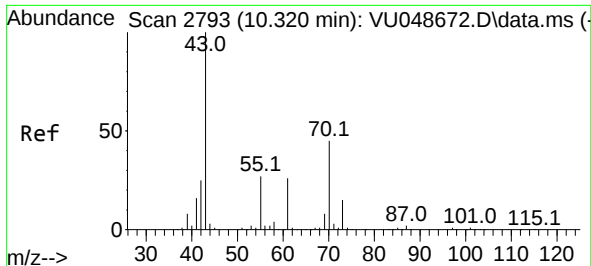
Tgt Ion:117 Resp: 412327
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Tgt Ion:152 Resp: 185059
Ion Ratio Lower Upper
152 100
115 60.0 41.8 125.4
150 155.8 0.0 341.0

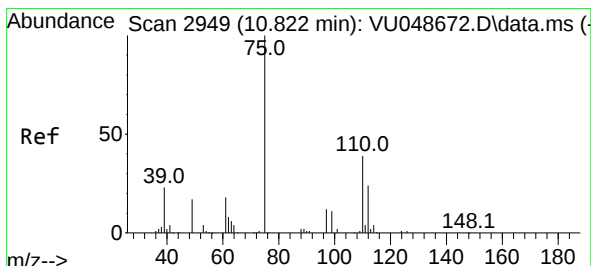
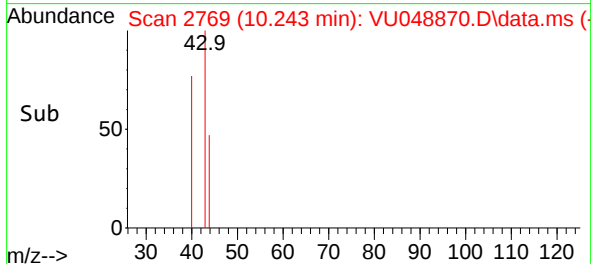
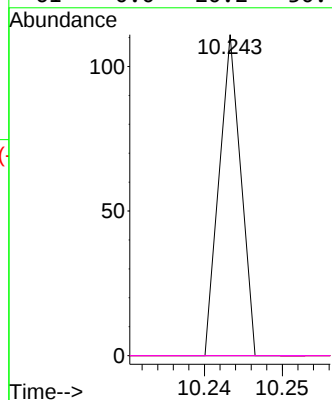
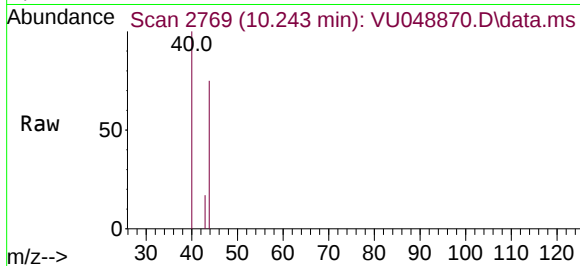




#74
N-amy1 acetate
Concen: 2.470 ug/l
RT: 10.243 min Scan# 21
Delta R.T. -0.077 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

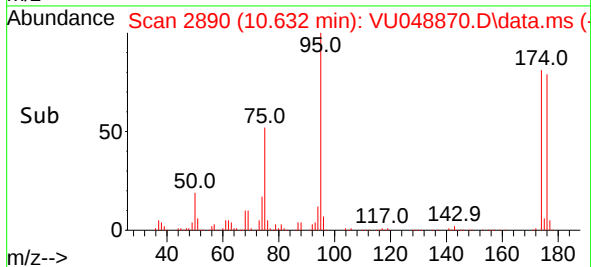
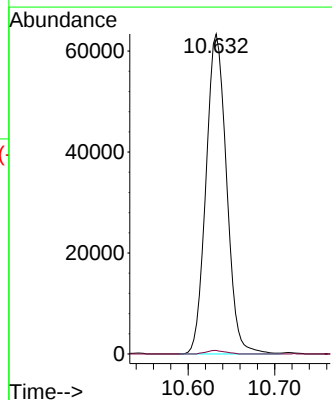
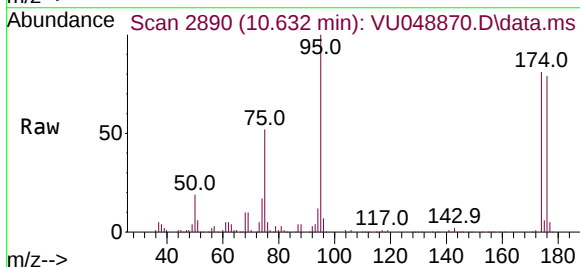
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

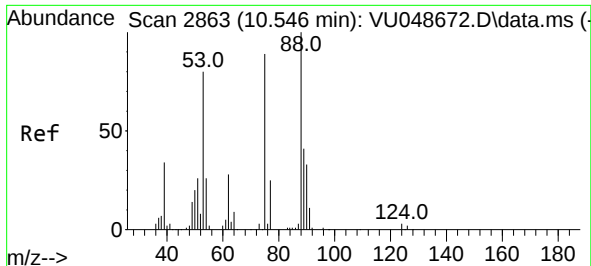
Tgt Ion: 43	Resp: 21
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.522 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Tgt Ion: 75	Resp: 104547
Ion Ratio	Lower Upper
75 100	
77 1.0	14.8 44.3#

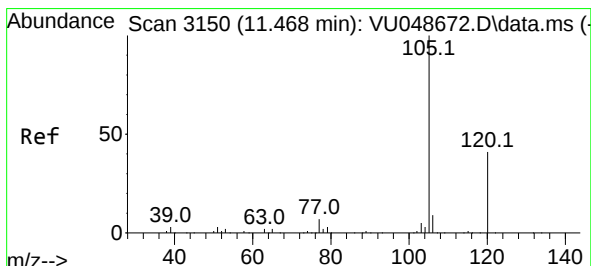
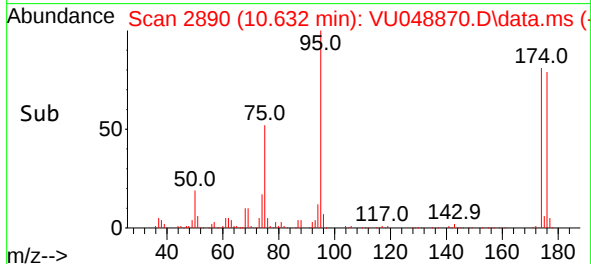
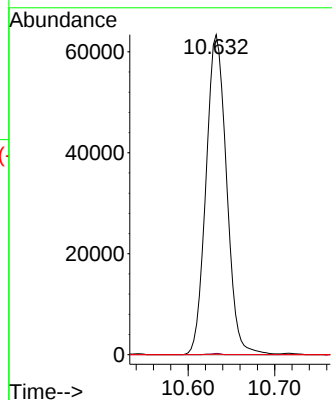
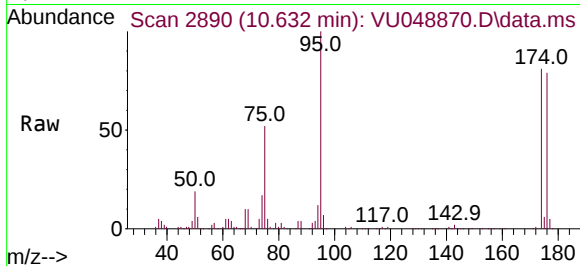




#81
trans-1,4-Dichloro-2-butene
Concen: 63.619 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

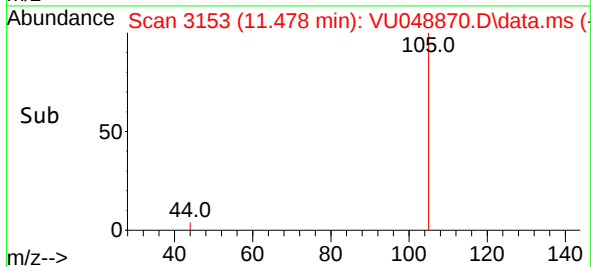
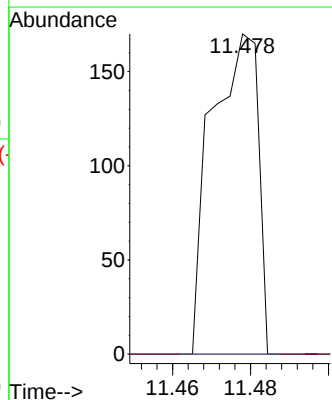
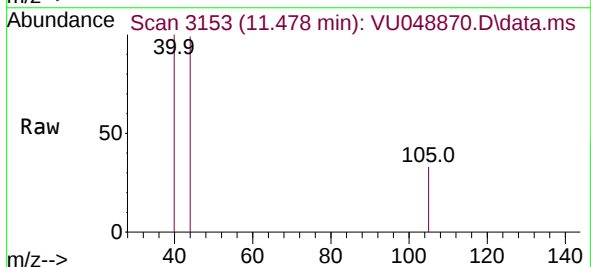
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

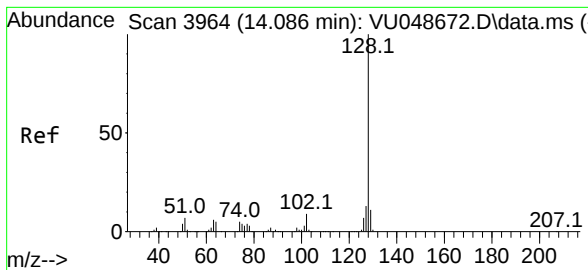
Tgt Ion: 75 Resp: 104547
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.199 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.010 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

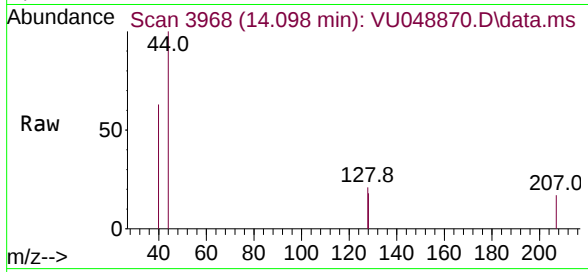
Tgt Ion: 105 Resp: 141
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#





#95
Naphthalene
Concen: 2.551 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.012 min
Lab File: VU048870.D
Acq: 03 Jun 2022 20:12

Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531



Tgt Ion:	128	Resp:	287
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

