

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048871.D
 Acq On : 03 Jun 2022 20:36
 Operator : SY/MD
 Sample : N3165-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 53BR-20220531

Quant Time: Jun 04 04:42:04 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)

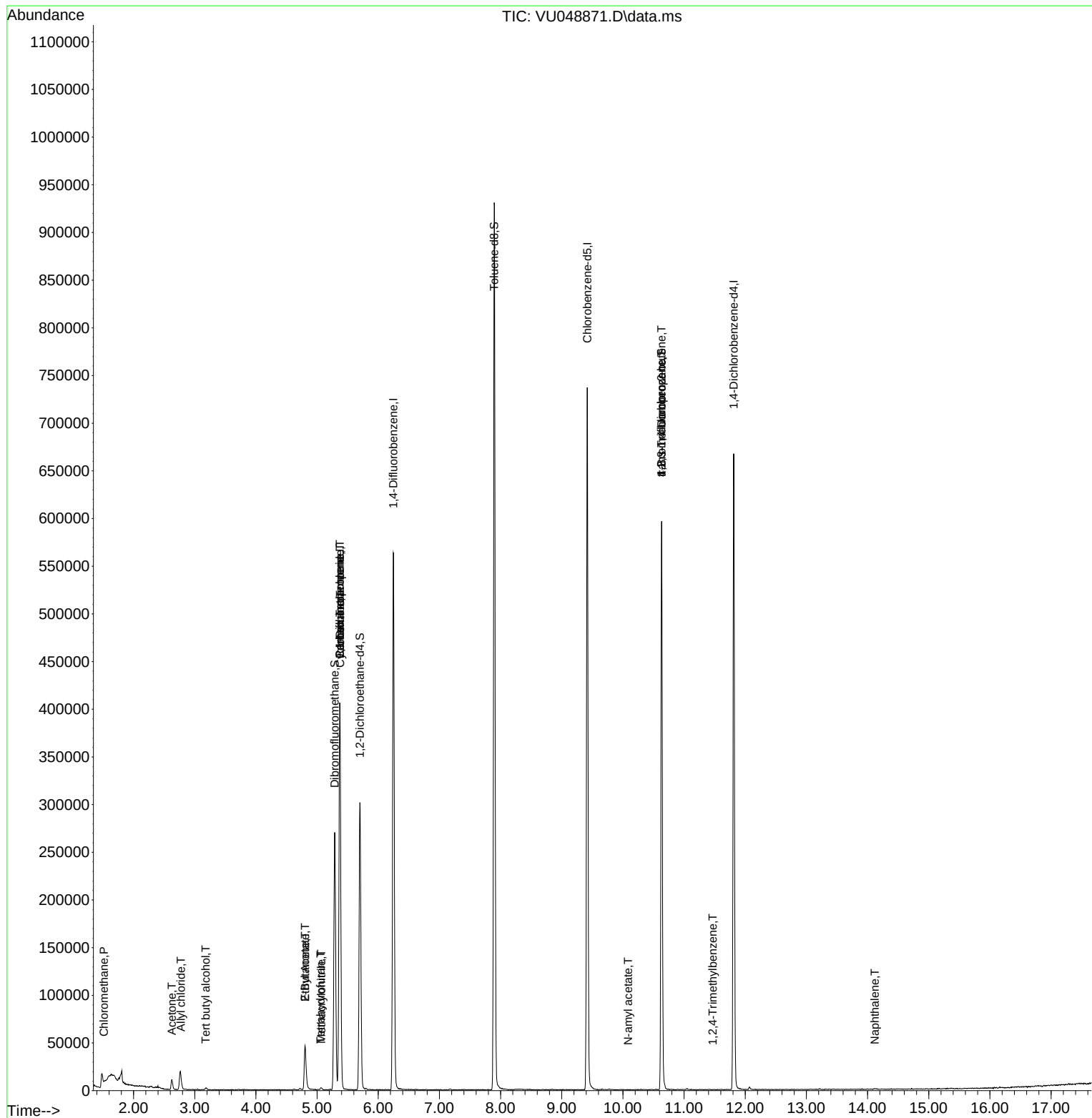
Internal Standards						
1) Pentafluorobenzene	5.372	168	274876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.246	114	445580	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	405494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	177615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	228760	55.415	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.840%			
35) Dibromofluoromethane	5.288	113	172373	54.225	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.440%			
50) Toluene-d8	7.896	98	603693	52.978	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.960%			
62) 4-Bromofluorobenzene	10.632	95	196979	45.708	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.420%			
Target Compounds					Qvalue	
3) Chloromethane	1.517	50	869	0.215	ug/l	94
5) Bromomethane	1.851	94	73	Below Cal	#	3
6) Chloroethane	1.951	64	849	Below Cal	#	43
11) Tert butyl alcohol	3.179	59	1426	1.363	ug/l #	28
13) Acrolein	2.481	56	44	Below Cal	#	77
14) Allyl chloride	2.774	41	2370	0.437	ug/l #	53
16) Acetone	2.626	43	12231	5.814	ug/l	95
25) 2-Butanone	4.803	43	60527	20.027	ug/l #	49
29) Tetrahydrofuran	5.057	42	1202	0.631	ug/l #	79
31) Cyclohexane	5.375	56	5974	1.148	ug/l #	13
36) 1,1-Dichloropropene	5.372	75	23210	5.003	ug/l #	50
37) Ethyl Acetate	4.803	43	60527	10.320	ug/l	99
38) Carbon Tetrachloride	5.372	117	28164	5.291	ug/l #	17
41) Methacrylonitrile	5.070	41	756	0.255	ug/l #	47
74) N-amyl acetate	10.086	43	21	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	102919	17.972	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	102919	65.253	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	56	1.192	ug/l #	31
95) Naphthalene	14.118	128	708	2.581	ug/l #	73

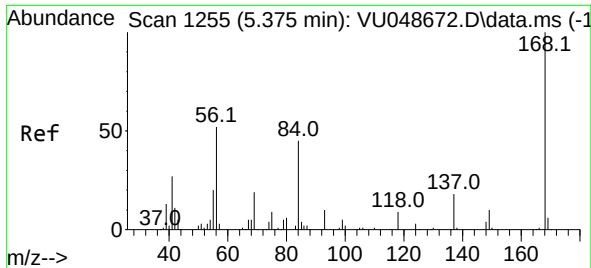
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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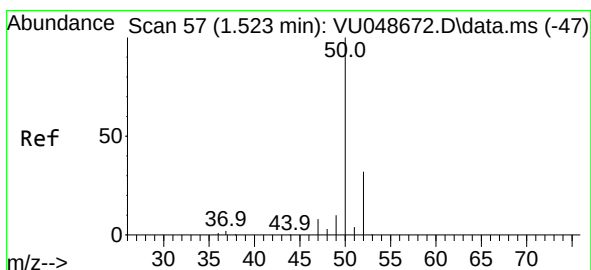
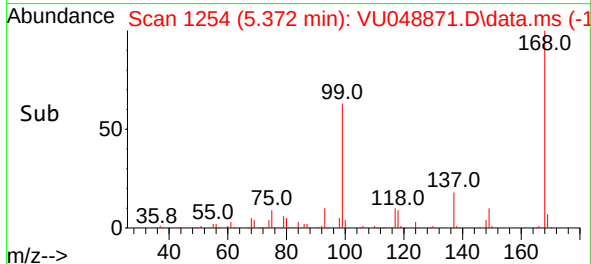
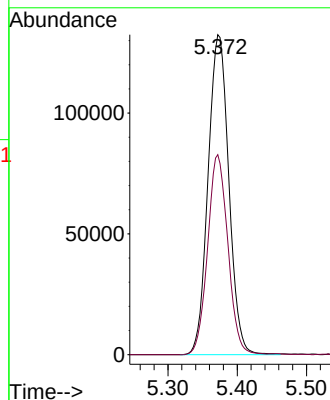
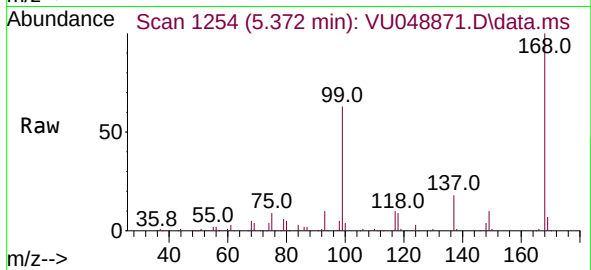




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

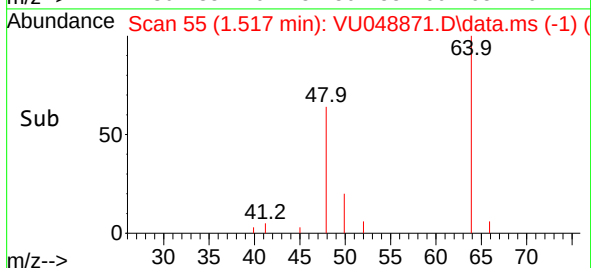
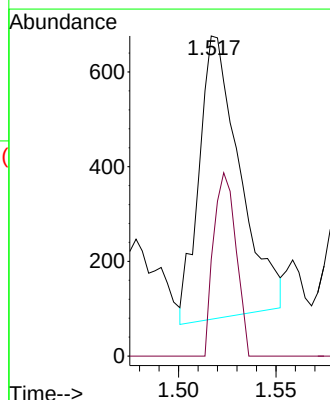
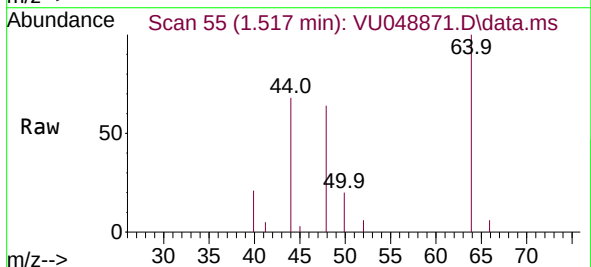
Instrument :
MSVOA_U
ClientSampleId :
53BR-20220531

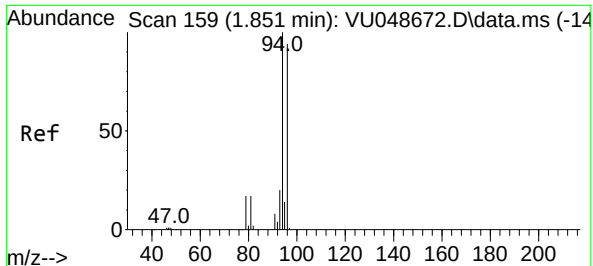
Tgt Ion:168 Resp: 274876
Ion Ratio Lower Upper
168 100
99 62.5 49.3 73.9



#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.007 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Tgt Ion: 50 Resp: 869
Ion Ratio Lower Upper
50 100
52 35.5 25.7 38.5

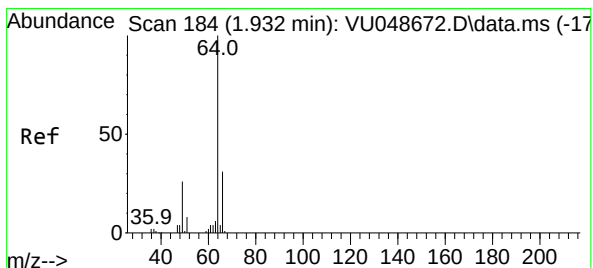
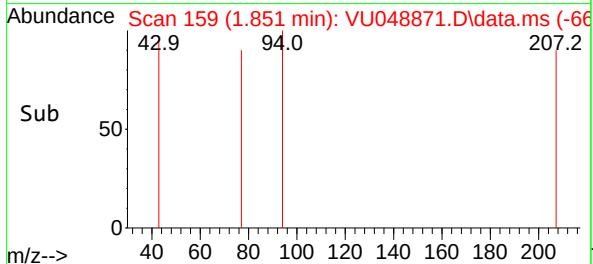
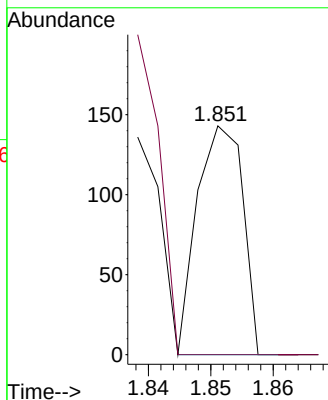
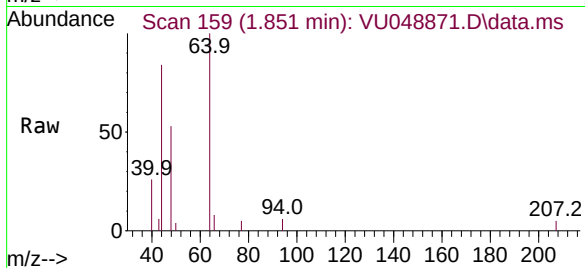




#5
Bromomethane
Concen: Below Cal
RT: 1.851 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

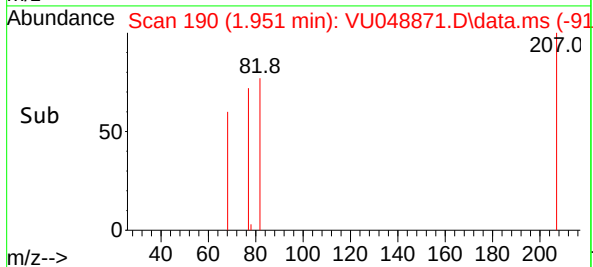
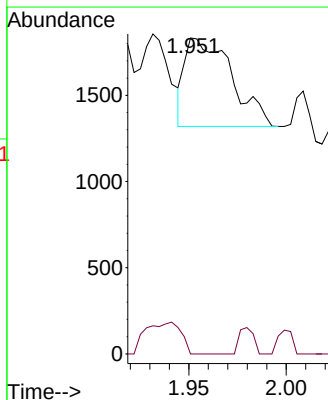
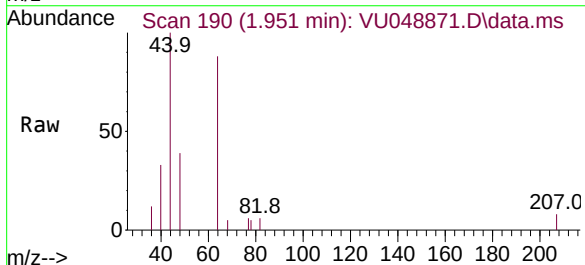
Instrument :
MSVOA_U
ClientSampleId :
53BR-20220531

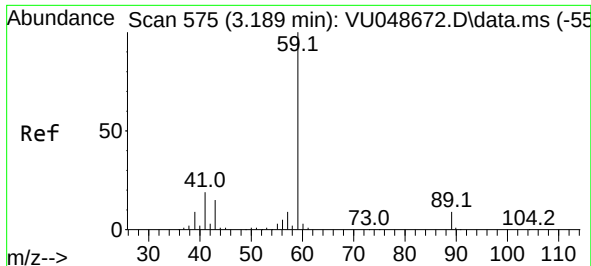
Tgt Ion: 94 Resp: 73
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 190
Delta R.T. 0.019 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Tgt Ion: 64 Resp: 849
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#





#11

Tert butyl alcohol

Concen: 1.363 ug/l

RT: 3.179 min Scan# 51

Delta R.T. -0.010 min

Lab File: VU048871.D

Acq: 03 Jun 2022 20:36

Instrument :

MSVOA_U

ClientSampleId :

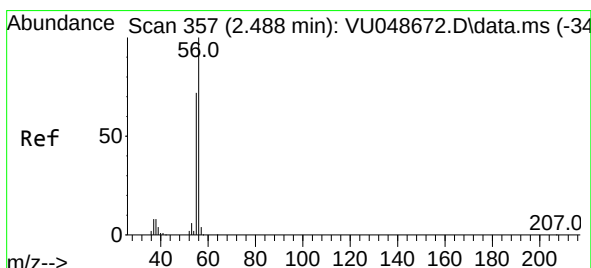
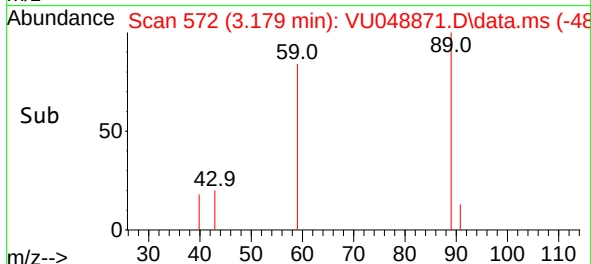
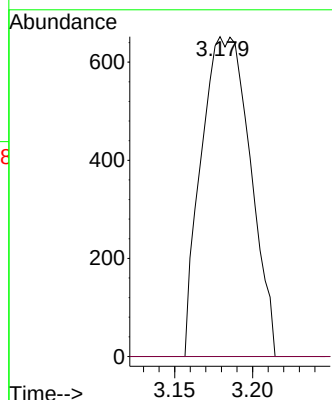
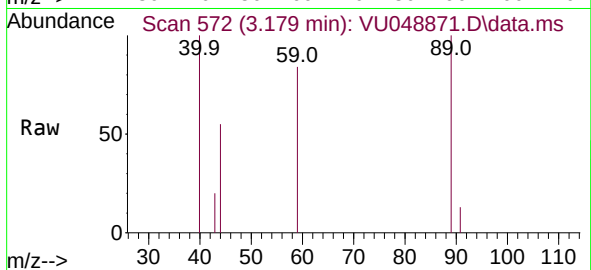
53BR-20220531

Tgt Ion: 59 Resp: 1426

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#



#13

Acrolein

Concen: Below Cal

RT: 2.481 min Scan# 355

Delta R.T. -0.007 min

Lab File: VU048871.D

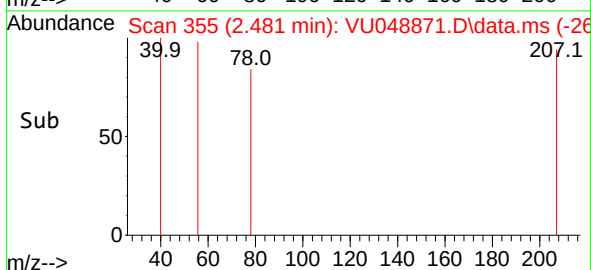
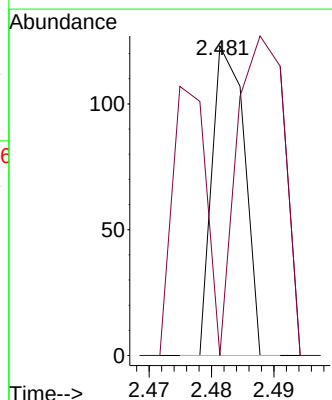
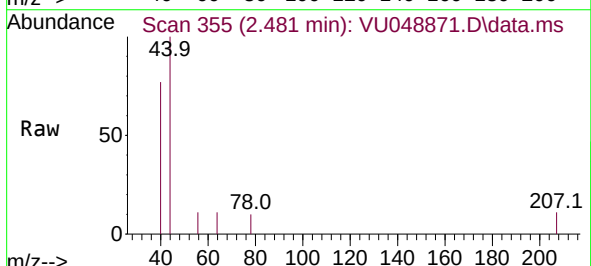
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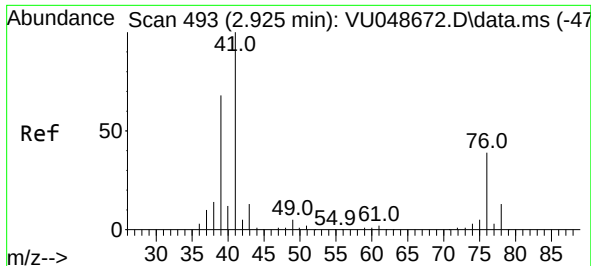
Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 90.9 57.7 86.5#

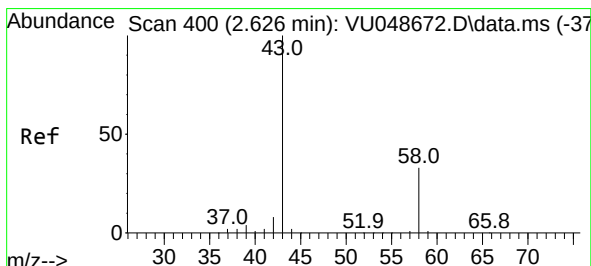
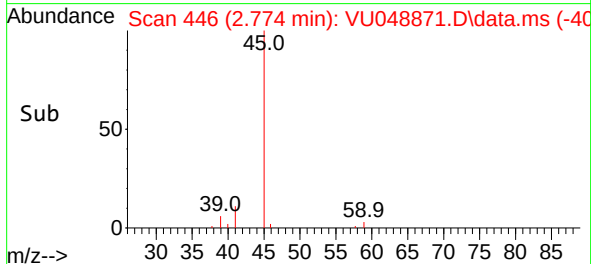
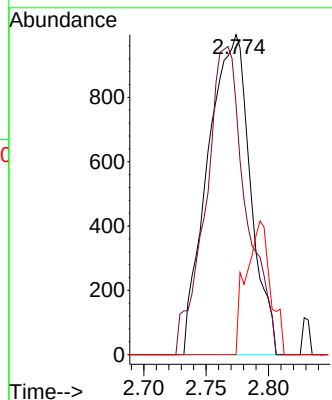
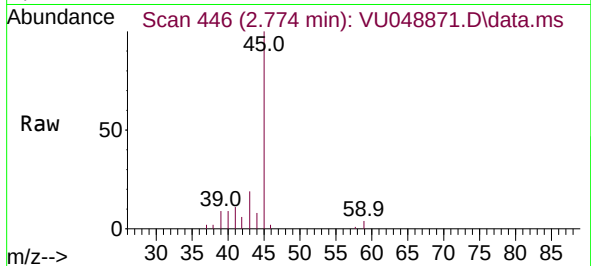




#14
 Allyl chloride
 Concen: 0.437 ug/l
 RT: 2.774 min Scan# 41
 Delta R.T. -0.151 min
 Lab File: VU048871.D
 Acq: 03 Jun 2022 20:36

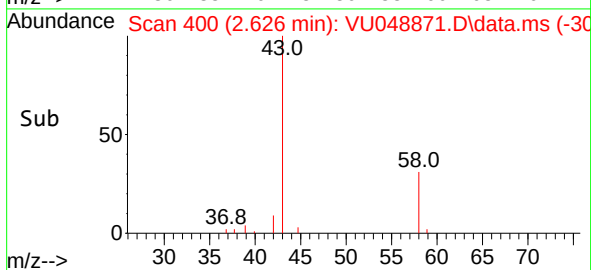
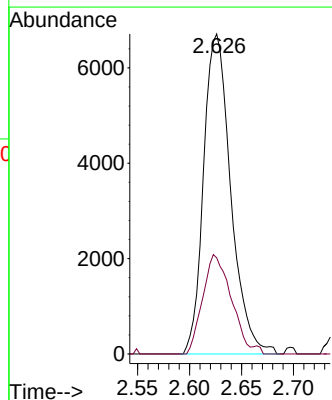
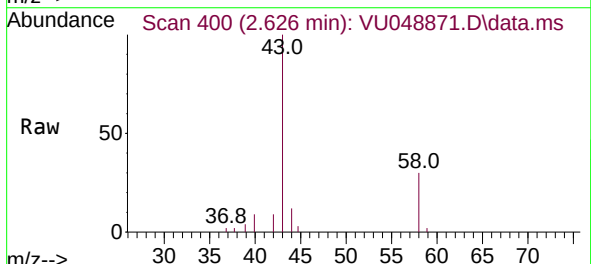
Instrument :
 MSVOA_U
 ClientSampleId :
 53BR-20220531

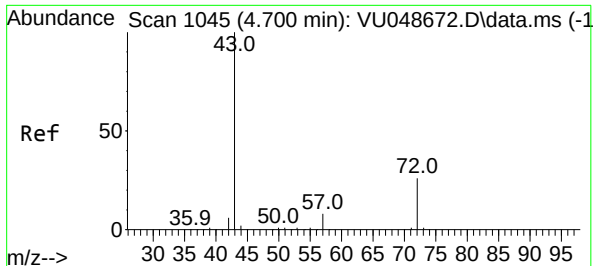
Tgt Ion: 41 Resp: 2370
 Ion Ratio Lower Upper
 41 100
 39 91.2 48.6 72.8#
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 5.814 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU048871.D
 Acq: 03 Jun 2022 20:36

Tgt Ion: 43 Resp: 12231
 Ion Ratio Lower Upper
 43 100
 58 30.0 26.3 39.5





#25

2-Butanone

Concen: 20.027 ug/l

RT: 4.803 min Scan# 1107

Delta R.T. 0.103 min

Lab File: VU048871.D

Acq: 03 Jun 2022 20:36

Instrument :

MSVOA_U

ClientSampleId :

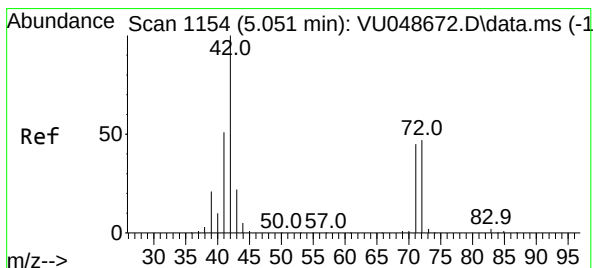
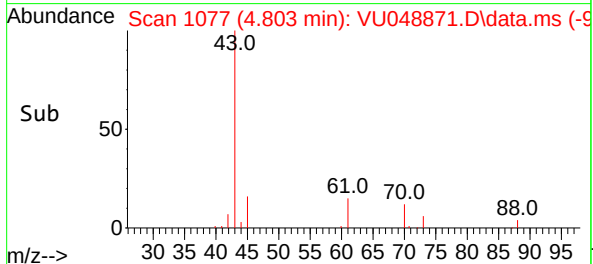
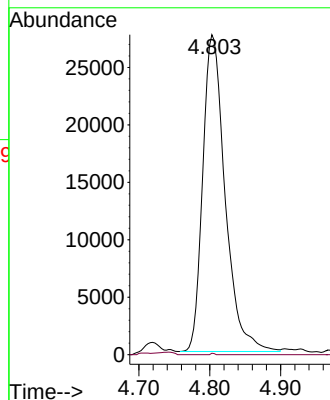
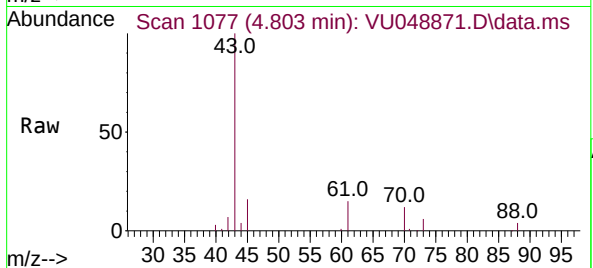
53BR-20220531

Tgt Ion: 43 Resp: 60527

Ion Ratio Lower Upper

43 100

72 0.5 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.631 ug/l

RT: 5.057 min Scan# 1156

Delta R.T. 0.006 min

Lab File: VU048871.D

Acq: 03 Jun 2022 20:36

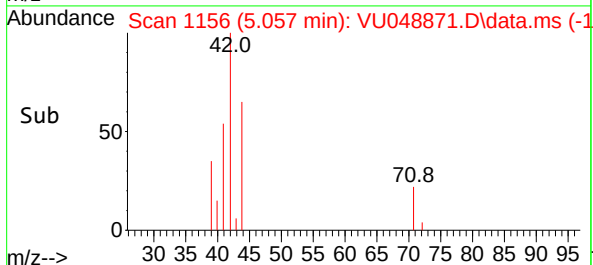
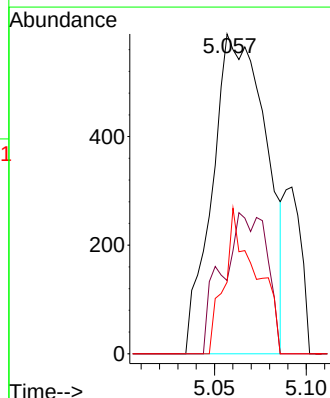
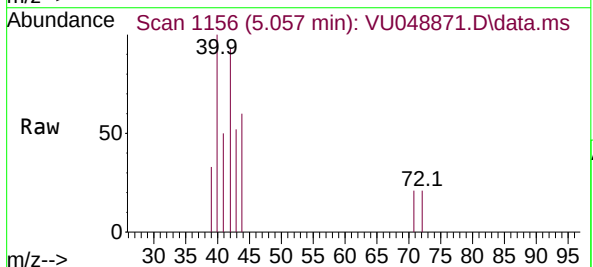
Tgt Ion: 42 Resp: 1202

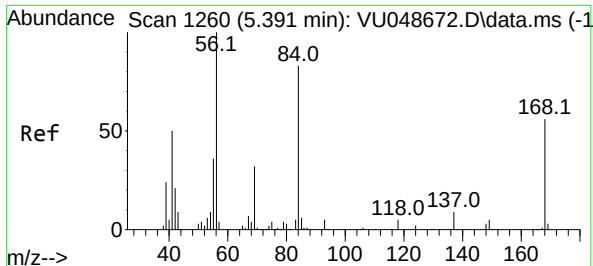
Ion Ratio Lower Upper

42 100

72 36.4 37.6 56.4#

71 27.0 35.0 52.4#

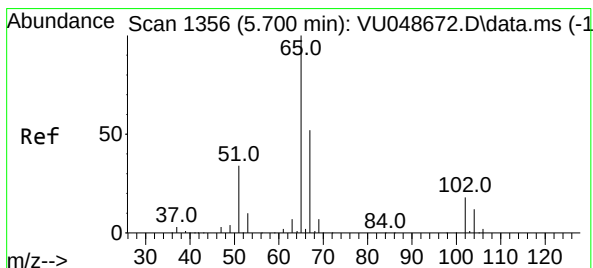
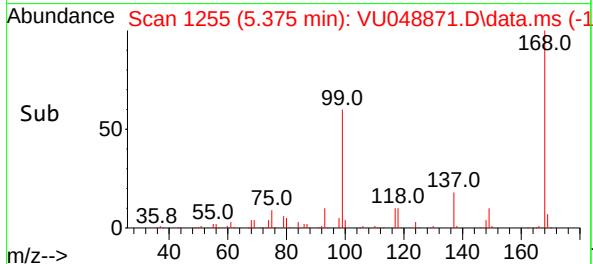
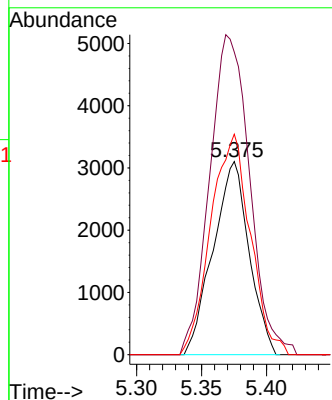
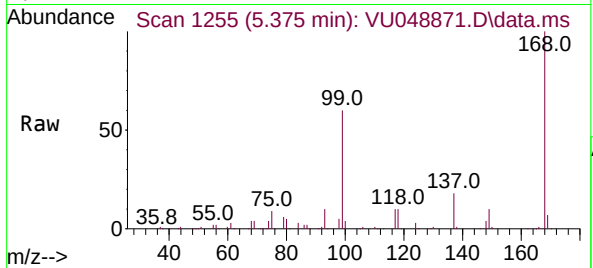




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

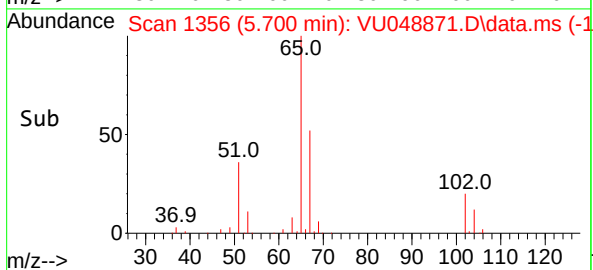
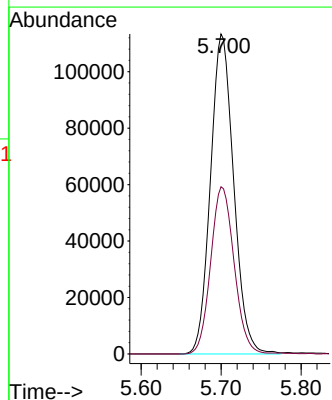
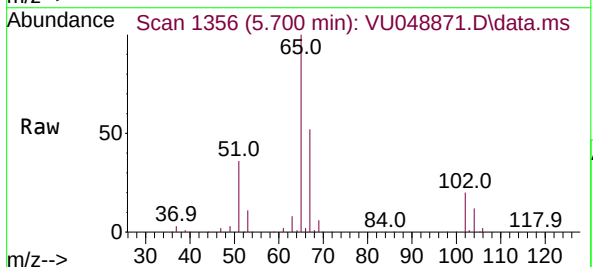
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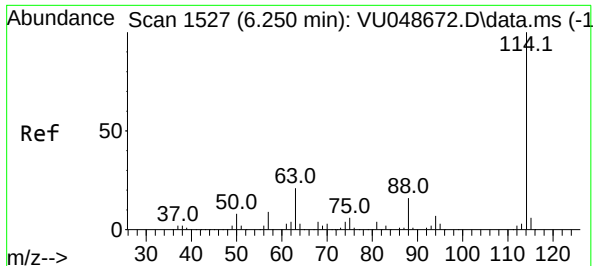
Tgt Ion: 56 Resp: 5974
Ion Ratio Lower Upper
56 100
69 156.6 25.6 38.4#
84 114.1 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 55.415 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Tgt Ion: 65 Resp: 228760
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.246 min Scan# 11

Delta R.T. -0.004 min

Lab File: VU048871.D

Acq: 03 Jun 2022 20:36

Instrument :

MSVOA_U

ClientSampleId :

53BR-20220531

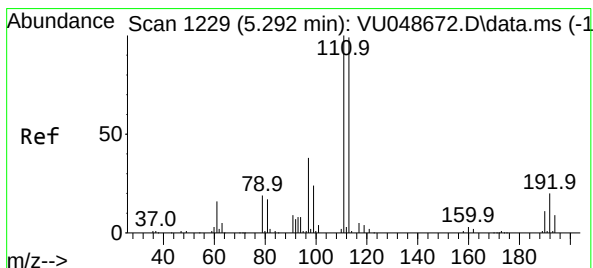
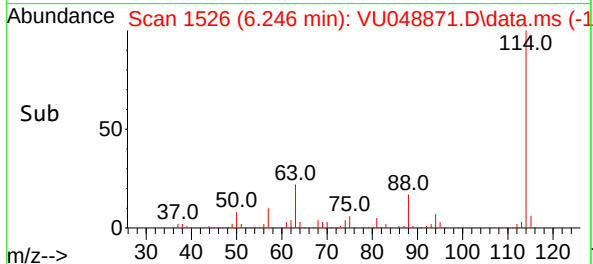
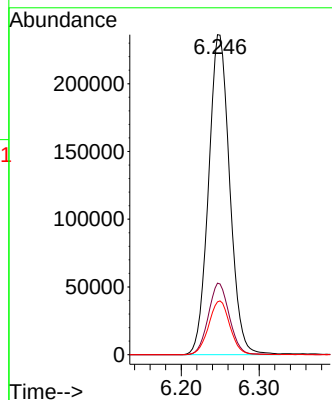
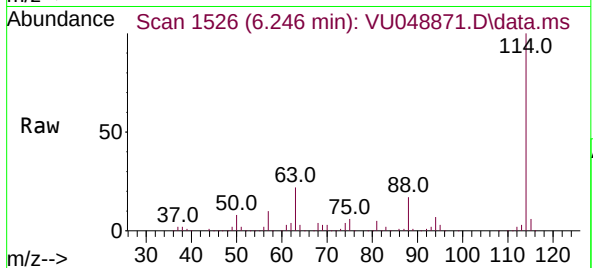
Tgt Ion:114 Resp: 445580

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

88 16.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 54.225 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048871.D

Acq: 03 Jun 2022 20:36

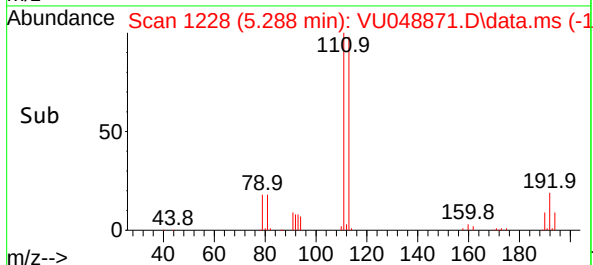
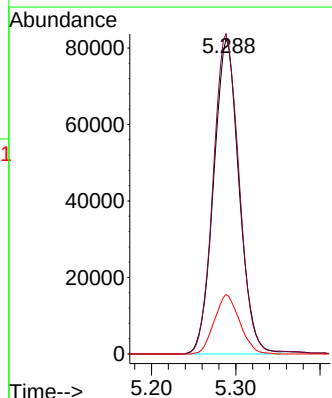
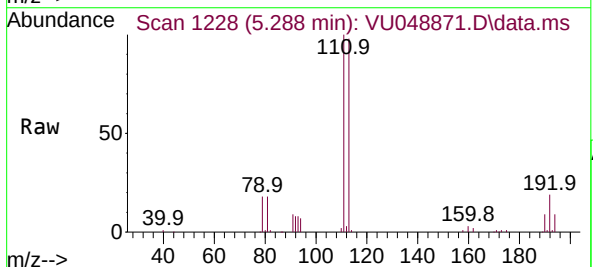
Tgt Ion:113 Resp: 172373

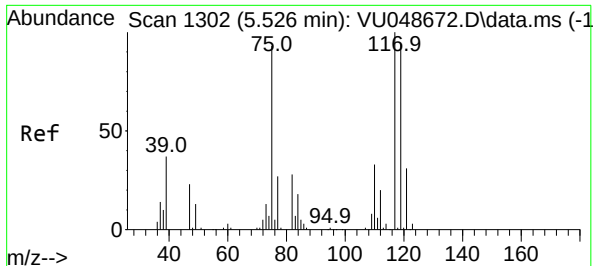
Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

192 18.7 15.9 23.9

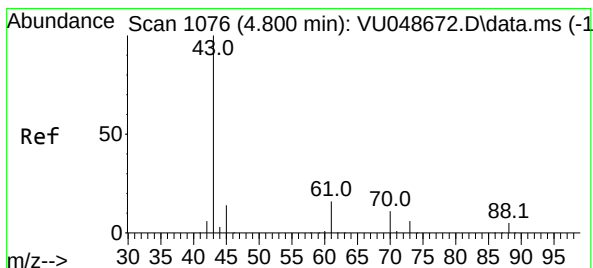
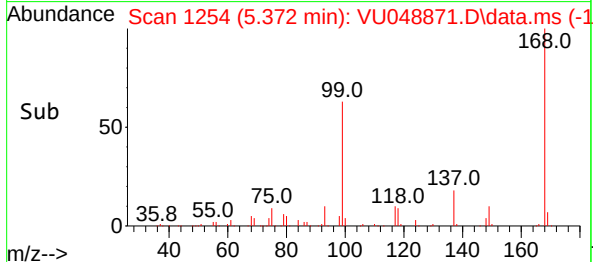
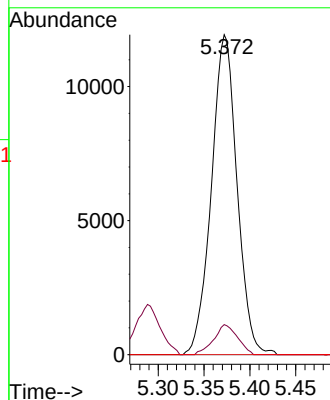
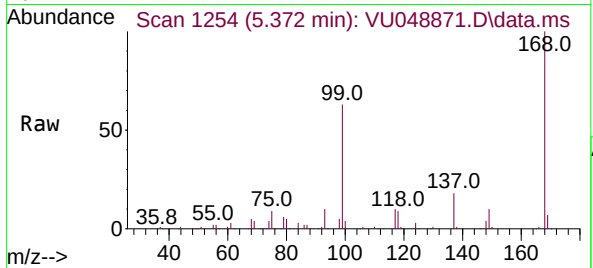




#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.155 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

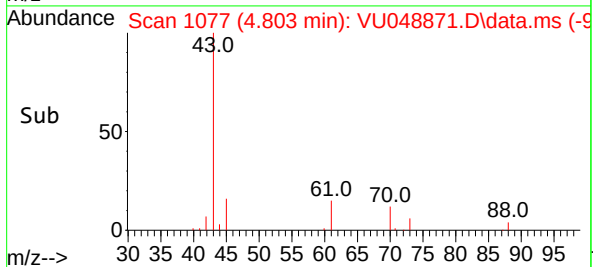
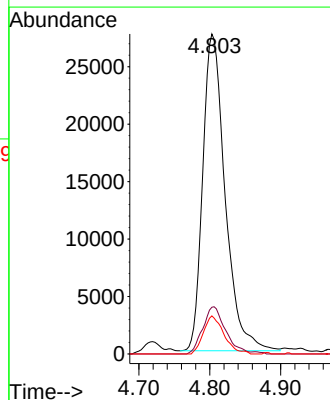
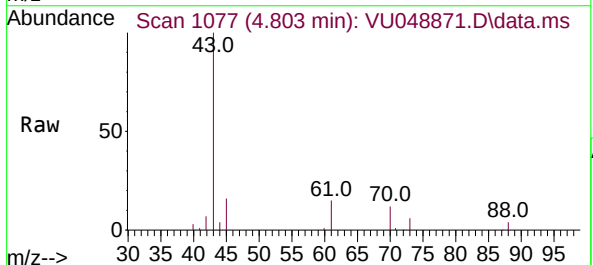
Instrument :
MSVOA_U
ClientSampleId :
53BR-20220531

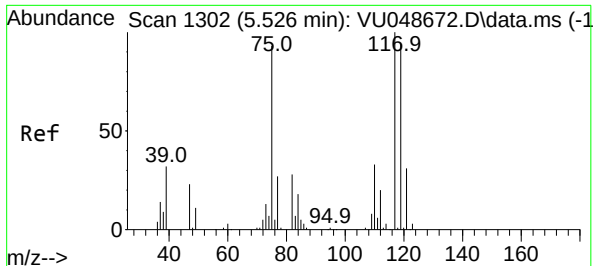
Tgt Ion: 75 Resp: 23210
Ion Ratio Lower Upper
75 100
110 8.7 17.4 52.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 10.320 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Tgt Ion: 43 Resp: 60527
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 11.0 8.4 12.6

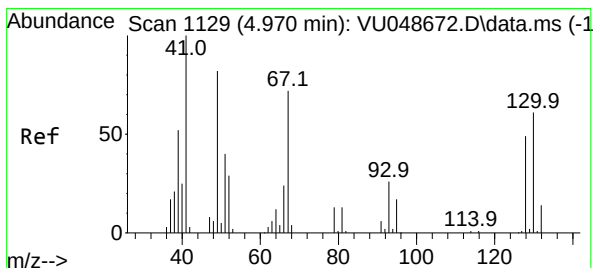
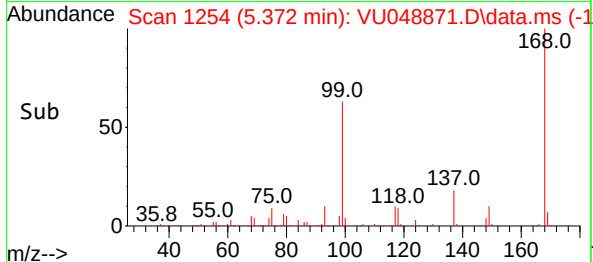
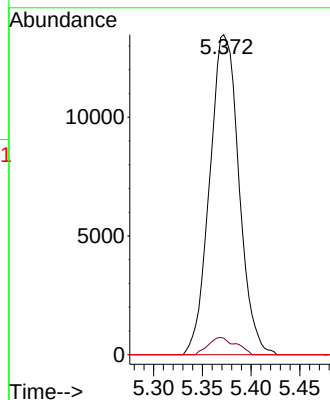
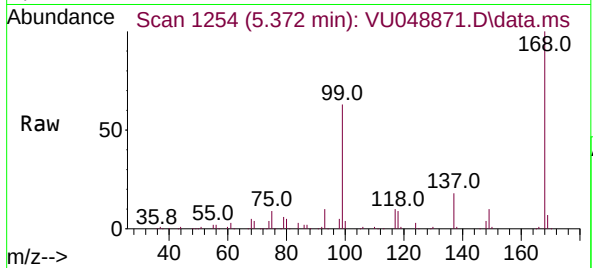




#38
Carbon Tetrachloride
Concen: 5.291 ug/l
RT: 5.372 min Scan# 1160
Delta R.T. -0.155 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

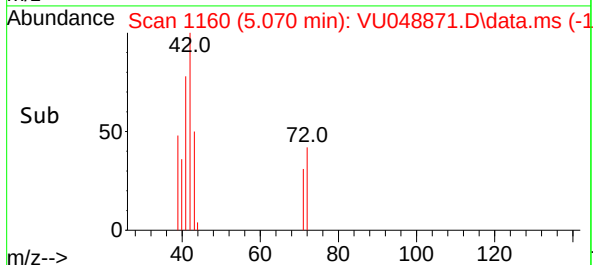
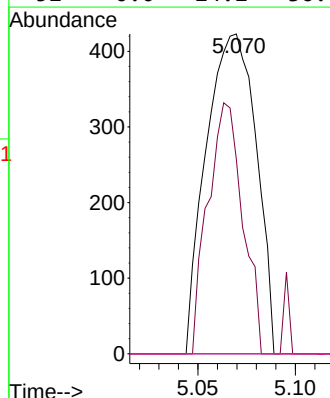
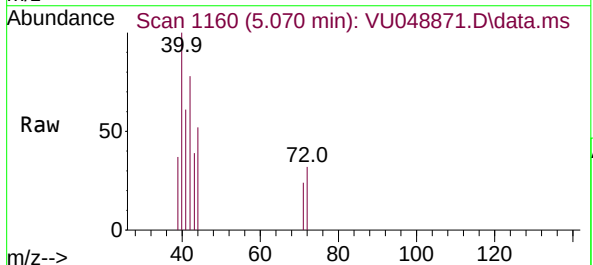
Instrument :
MSVOA_U
ClientSampleId :
53BR-20220531

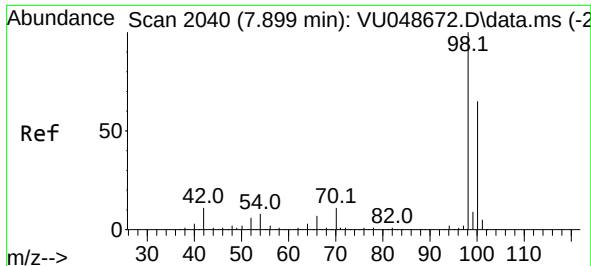
Tgt Ion:117 Resp: 28164
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.255 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.100 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Tgt Ion: 41 Resp: 756
Ion Ratio Lower Upper
41 100
39 54.5 42.6 64.0
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#

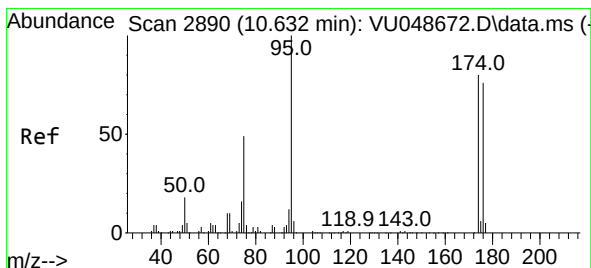
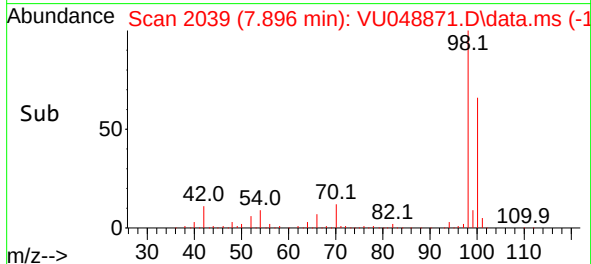
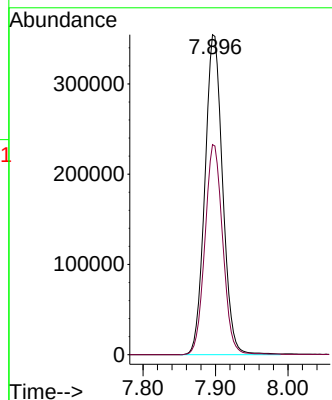
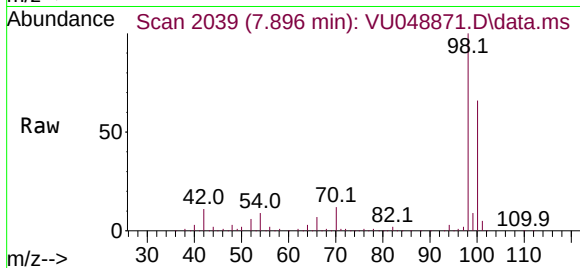




#50
Toluene-d8
Concen: 52.978 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

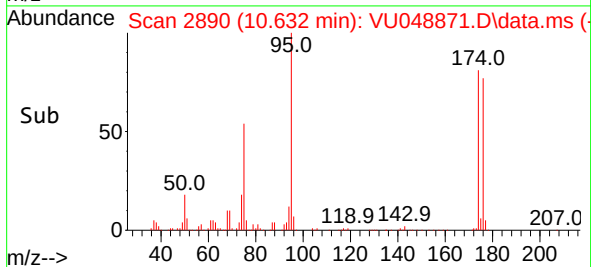
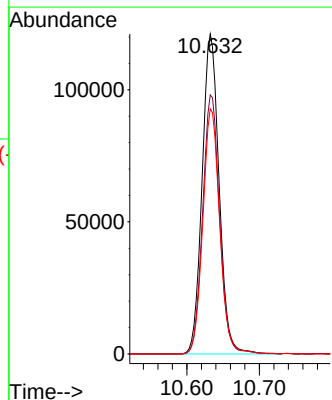
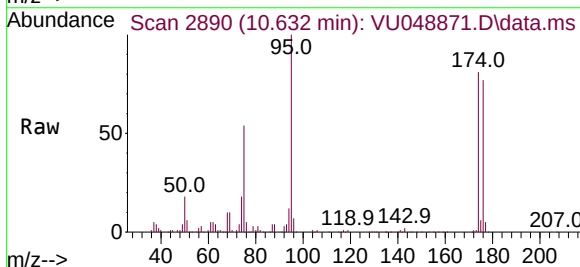
Instrument :
MSVOA_U
ClientSampleId :
53BR-20220531

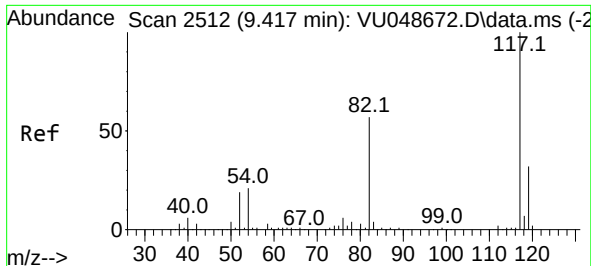
Tgt Ion: 98 Resp: 603693
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.708 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Tgt Ion: 95 Resp: 196979
Ion Ratio Lower Upper
95 100
174 81.0 0.0 159.4
176 76.2 0.0 152.4

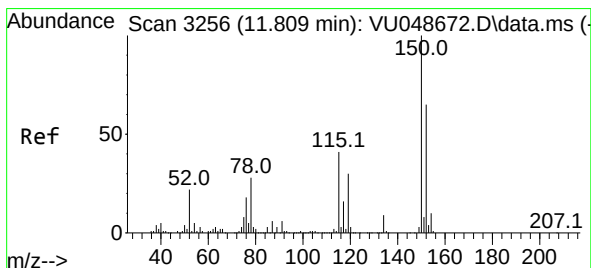
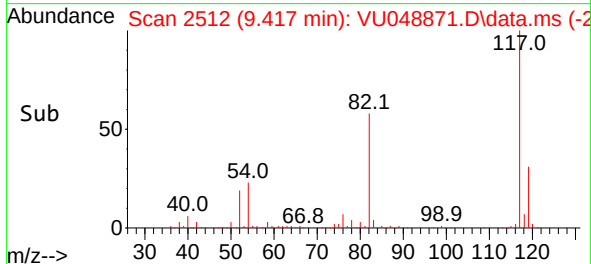
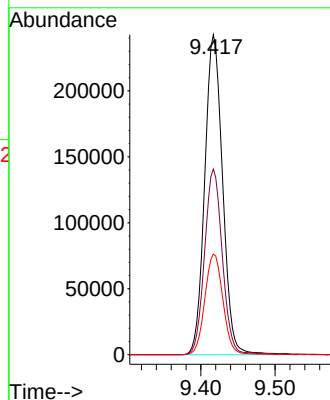
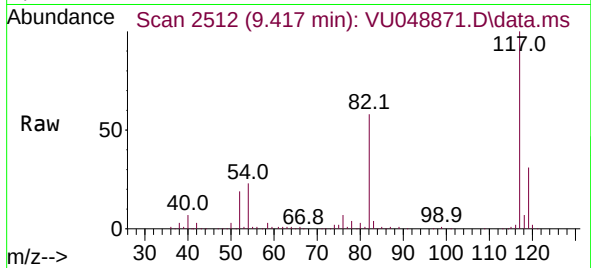




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

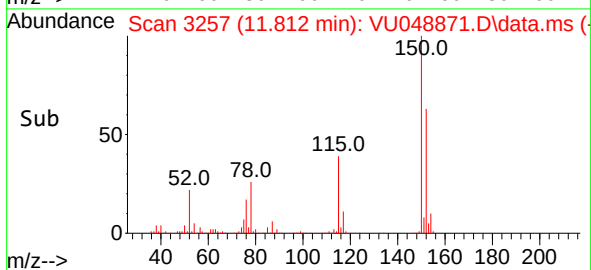
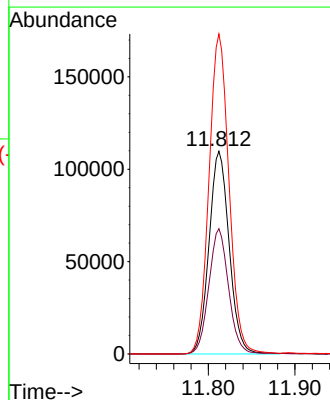
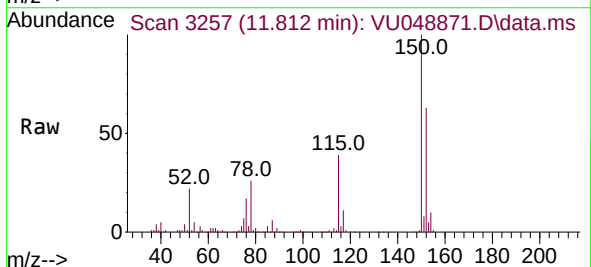
Instrument :
MSVOA_U
ClientSampleId :
53BR-20220531

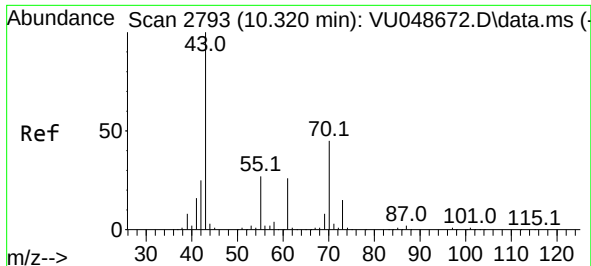
Tgt Ion:117 Resp: 405494
Ion Ratio Lower Upper
117 100
82 58.1 45.3 67.9
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Tgt Ion:152 Resp: 177615
Ion Ratio Lower Upper
152 100
115 60.3 41.8 125.4
150 156.3 0.0 341.0

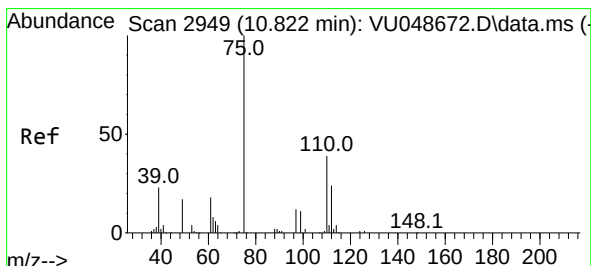
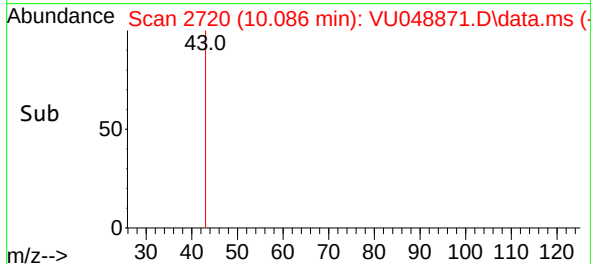
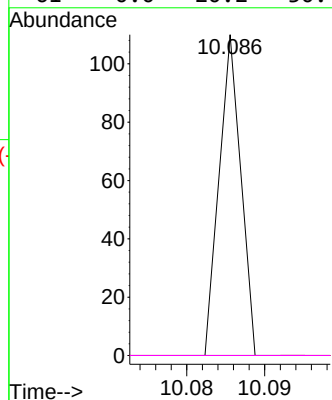
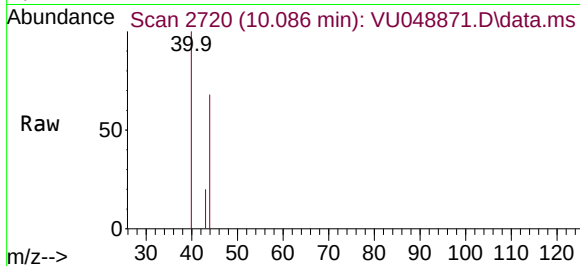




#74
N-amy1 acetate
Concen: 2.470 ug/l
RT: 10.086 min Scan# 21
Delta R.T. -0.234 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

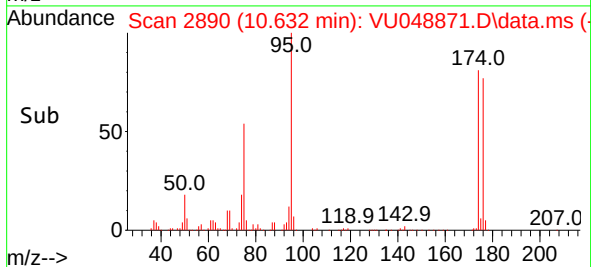
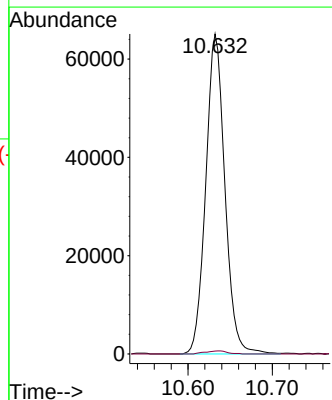
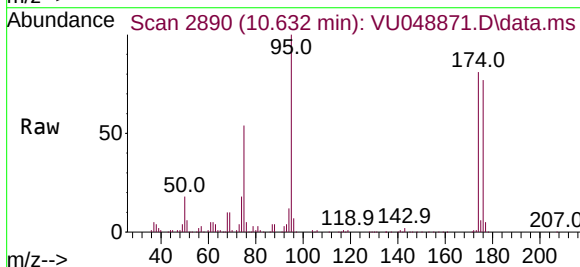
Instrument :
MSVOA_U
ClientSampleId :
53BR-20220531

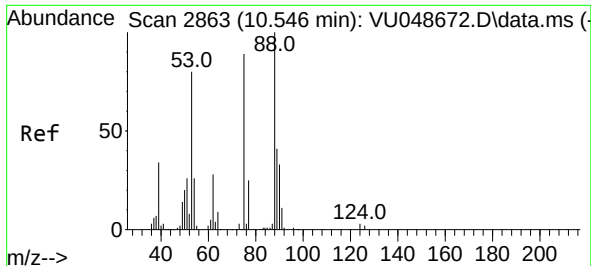
Tgt Ion: 43	Resp: 21
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.972 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Tgt Ion: 75	Resp:	102919	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	14.8	44.3#	

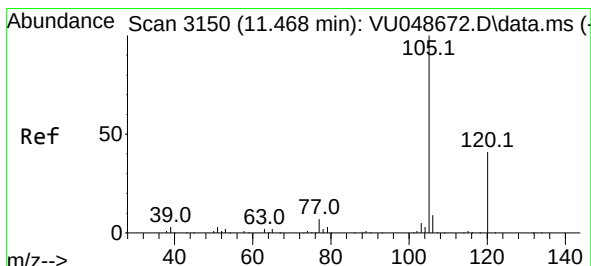
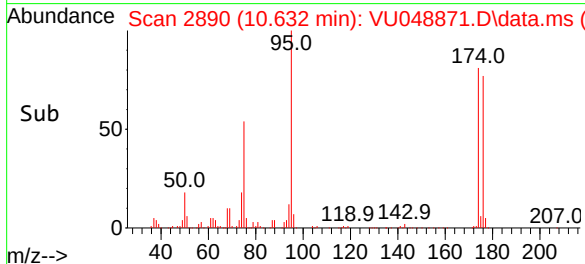
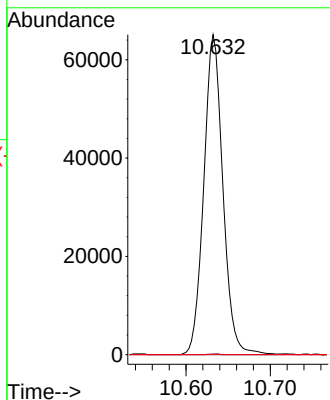
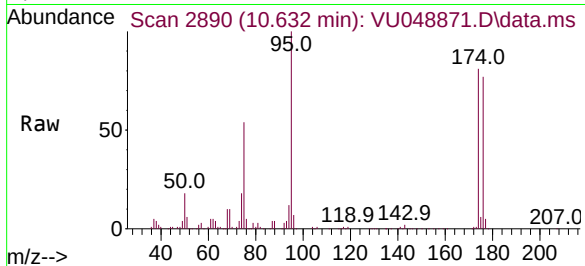




#81
trans-1,4-Dichloro-2-butene
Concen: 65.253 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

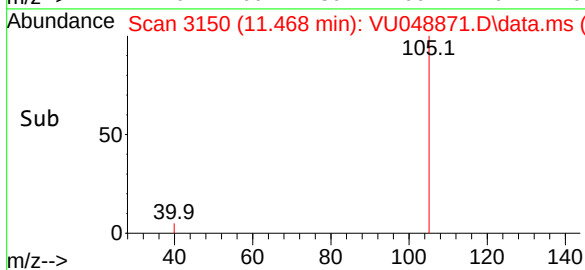
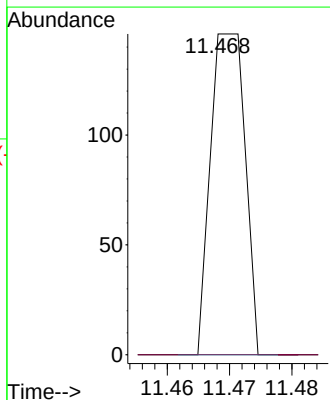
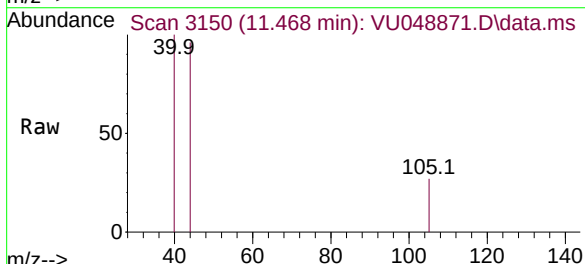
Instrument :
MSVOA_U
ClientSampleId :
53BR-20220531

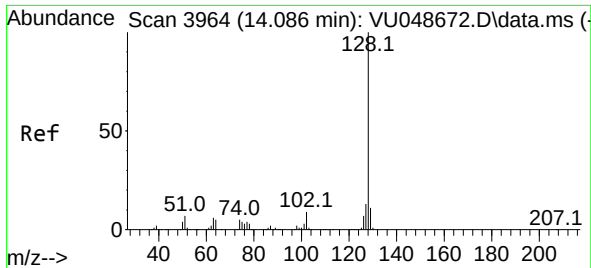
Tgt Ion: 75 Resp: 102919
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.192 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Tgt Ion: 105 Resp: 56
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#





#95
Naphthalene
Concen: 2.581 ug/l
RT: 14.118 min Scan# 3964
Delta R.T. 0.032 min
Lab File: VU048871.D
Acq: 03 Jun 2022 20:36

Instrument :
MSVOA_U
ClientSampleId :
53BR-20220531

Tgt Ion:128 Resp: 708
Ion Ratio Lower Upper
128 100
127 3.0 10.2 15.4#
129 0.0 8.7 13.1#

