

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048873.D
 Acq On : 03 Jun 2022 21:23
 Operator : SY/MD
 Sample : N3165-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 58BR-20220531

Quant Time: Jun 04 04:42:52 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)

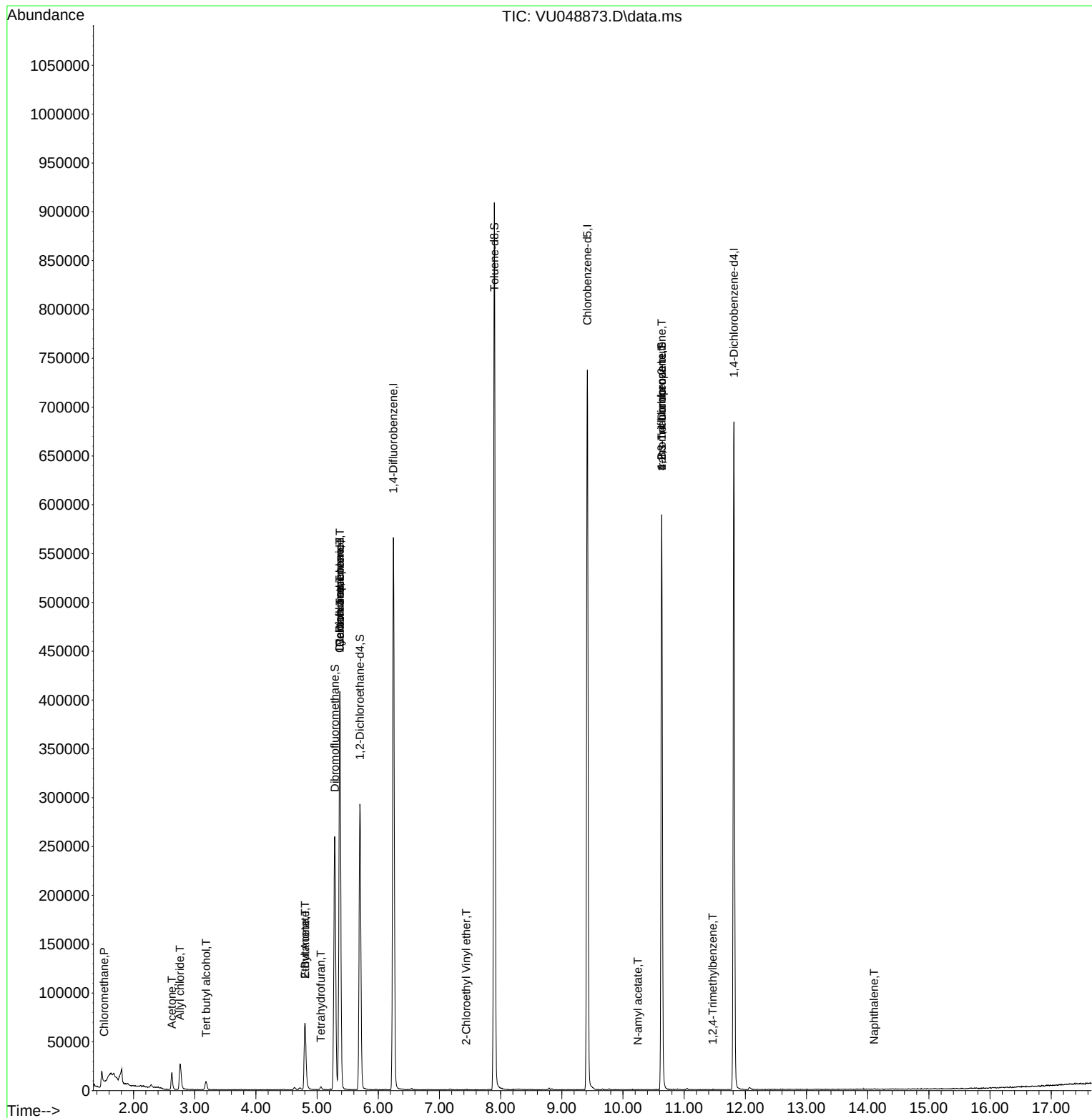
Internal Standards						
1) Pentafluorobenzene	5.372	168	272689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	442373	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	407323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	180821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	224065	54.713	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.420%
35) Dibromofluoromethane	5.289	113	168344	53.341	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.680%
50) Toluene-d8	7.896	98	591265	52.264	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.520%
62) 4-Bromofluorobenzene	10.633	95	196932	46.028	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.060%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	809	0.201	ug/l	98
5) Bromomethane	1.842	94	60	Below Cal	#	78
6) Chloroethane	1.996	64	437	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	5419	5.219	ug/l #	28
13) Acrolein	2.482	56	65	Below Cal	#	14
14) Allyl chloride	2.758	41	3404	0.633	ug/l #	66
16) Acetone	2.623	43	19464	9.326	ug/l	98
25) 2-Butanone	4.803	43	90297	30.117	ug/l #	49
29) Tetrahydrofuran	5.060	42	1610	0.852	ug/l #	90
31) Cyclohexane	5.369	56	5920	1.147	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	22023	4.781	ug/l #	49
37) Ethyl Acetate	4.803	43	90297	15.507	ug/l	98
38) Carbon Tetrachloride	5.372	117	28633	5.418	ug/l #	18
58) 2-Chloroethyl Vinyl ether	7.436	63	220	29.909	ug/l #	47
74) N-amyl acetate	10.243	43	225	2.503	ug/l #	41
76) 1,2,3-Trichloropropane	10.633	75	100306	17.205	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.633	75	100306	62.468	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	97	1.196	ug/l #	31
95) Naphthalene	14.105	128	603	2.573	ug/l #	69

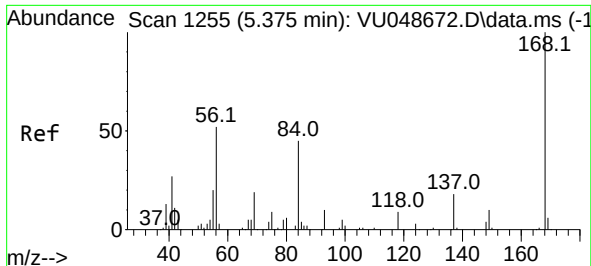
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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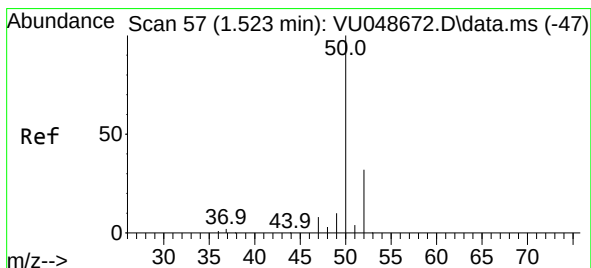
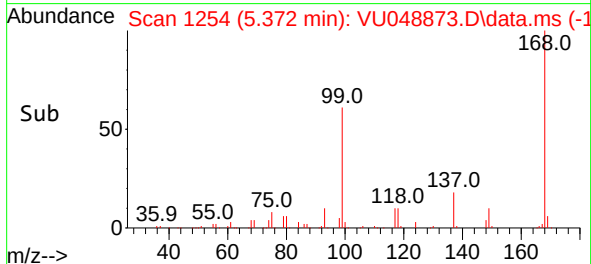
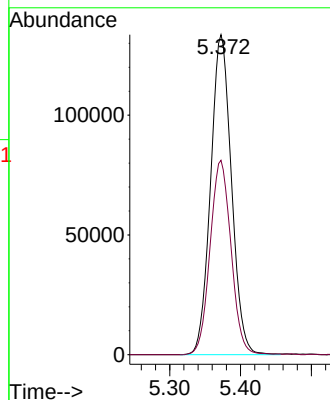
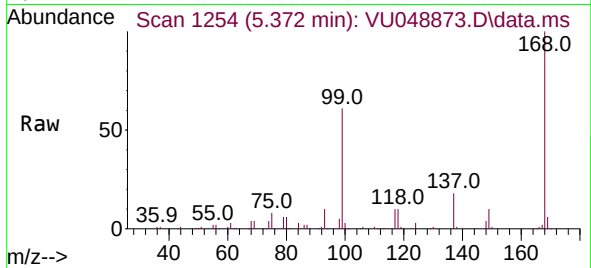




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

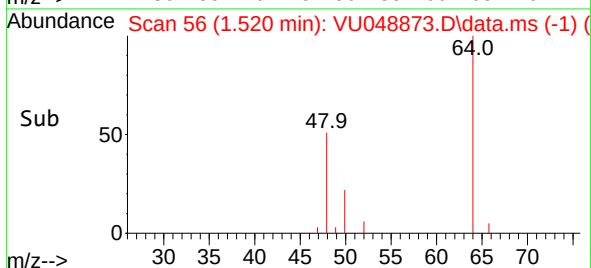
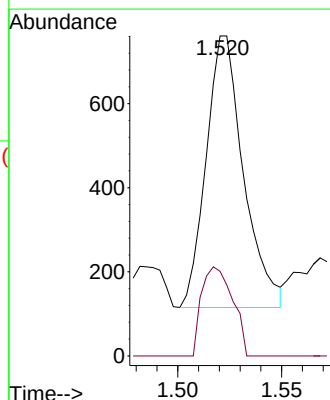
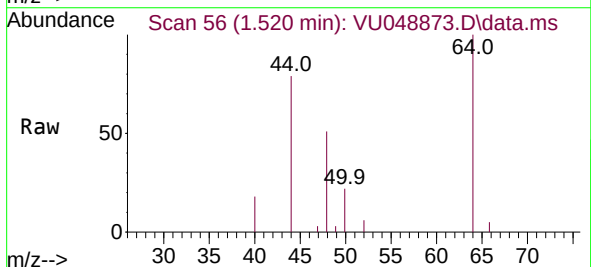
Instrument :
MSVOA_U
ClientSampleId :
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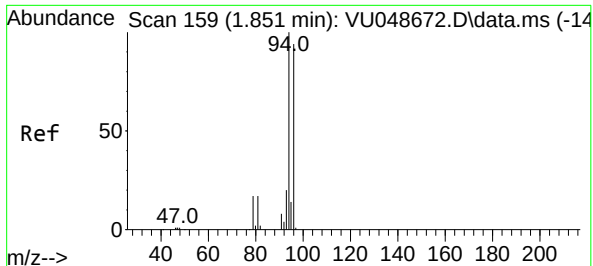
Tgt Ion:168 Resp: 272689
Ion Ratio Lower Upper
168 100
99 60.8 49.3 73.9



#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Tgt Ion: 50 Resp: 809
Ion Ratio Lower Upper
50 100
52 31.1 25.7 38.5

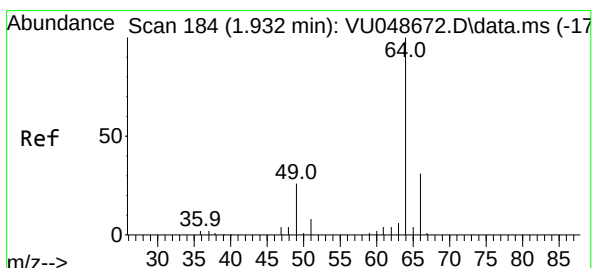
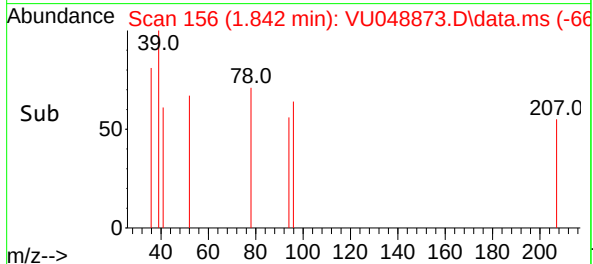
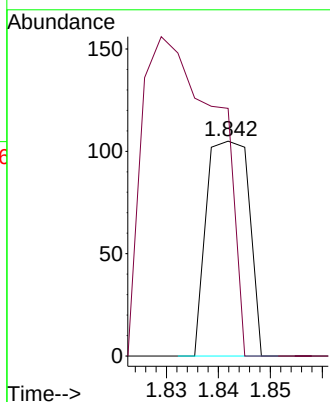
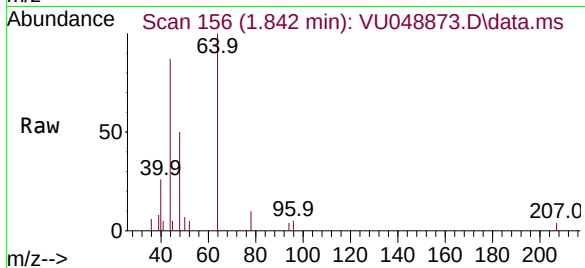




#5
Bromomethane
Concen: Below Cal
RT: 1.842 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

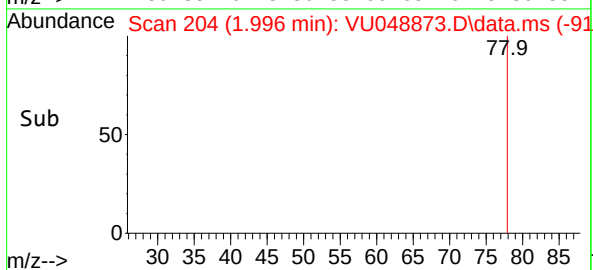
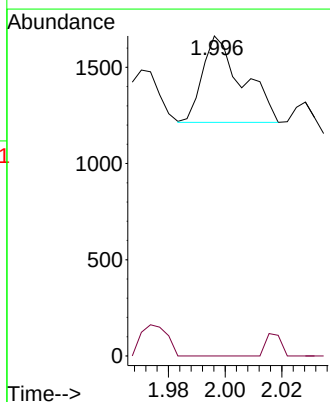
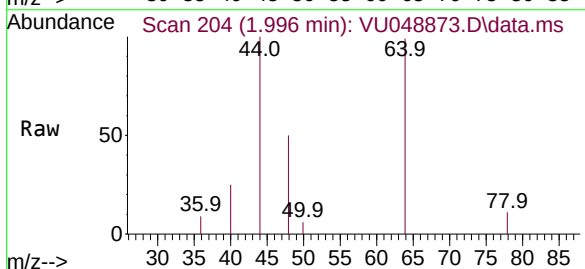
Instrument :
MSVOA_U
ClientSampleId :
58BR-20220531

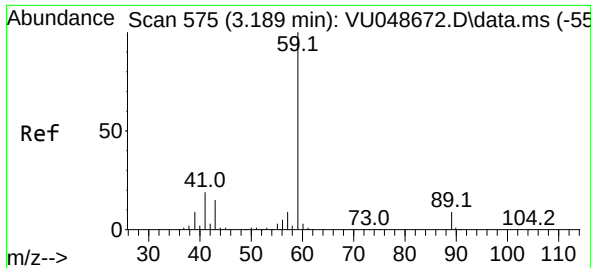
Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 115.2 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.996 min Scan# 204
Delta R.T. 0.064 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Tgt Ion: 64 Resp: 437
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

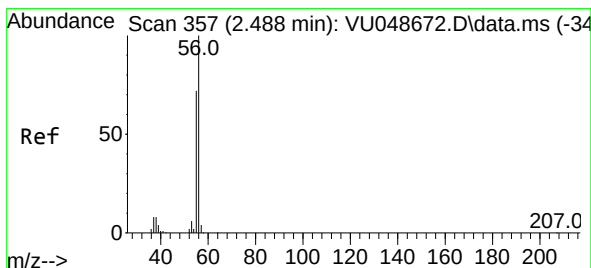
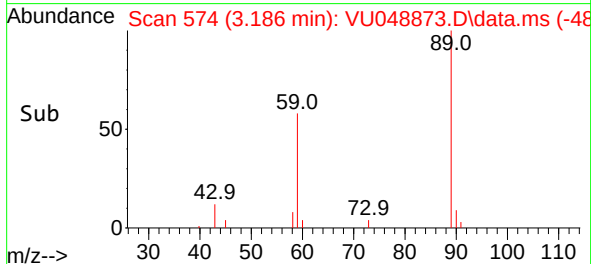
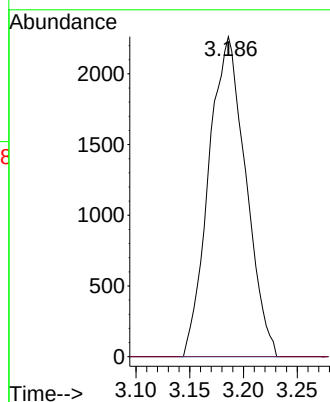
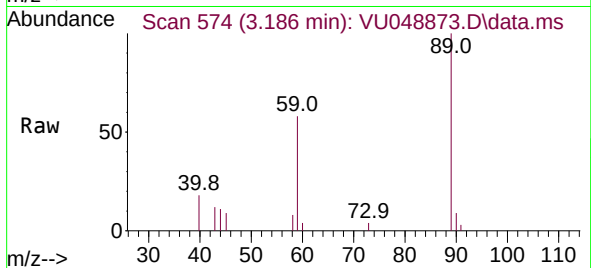




#11
Tert butyl alcohol
Concen: 5.219 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

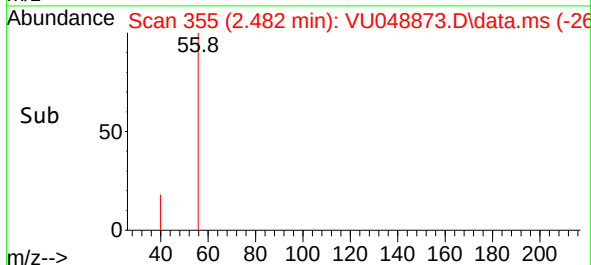
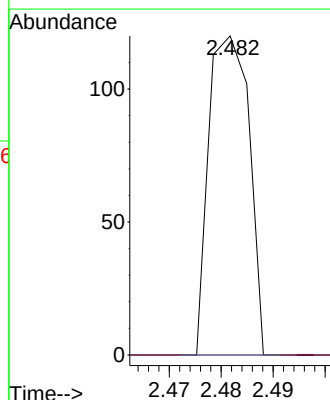
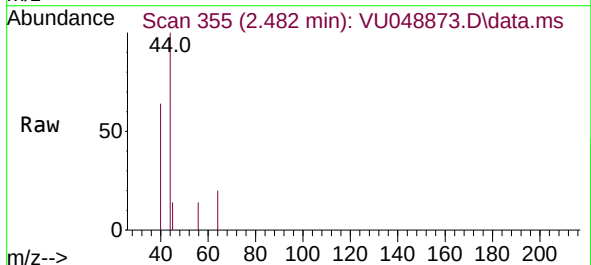
Instrument :
MSVOA_U
ClientSampleId :
58BR-20220531

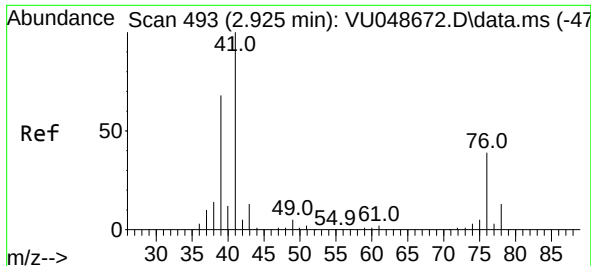
Tgt Ion: 59 Resp: 5419
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 355
Delta R.T. -0.006 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#

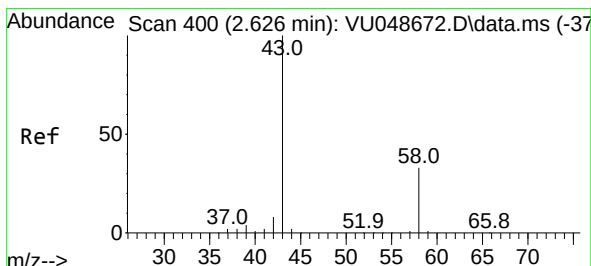
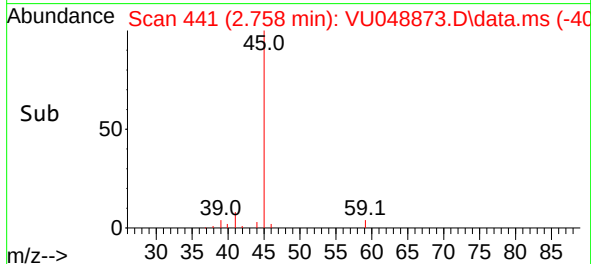
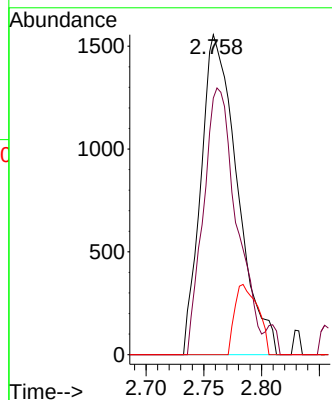
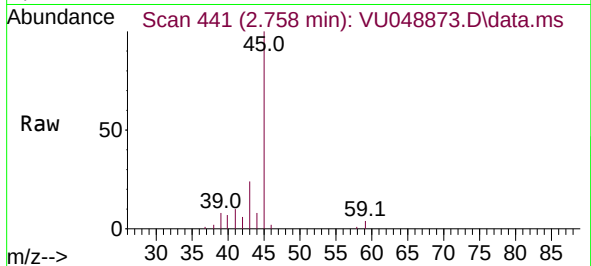




#14
 Allyl chloride
 Concen: 0.633 ug/l
 RT: 2.758 min Scan# 41
 Delta R.T. -0.167 min
 Lab File: VU048873.D
 Acq: 03 Jun 2022 21:23

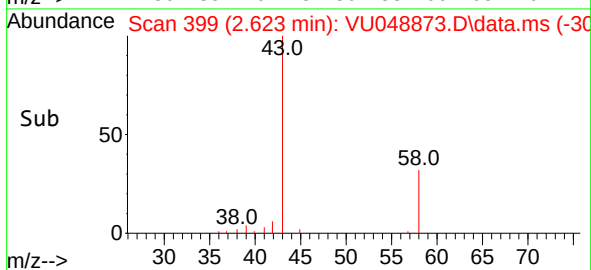
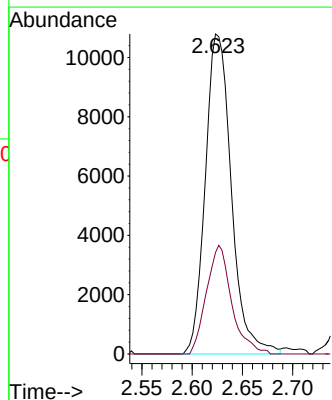
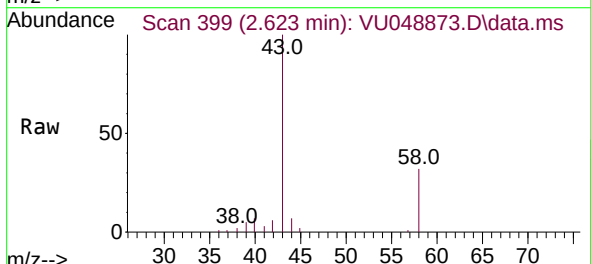
Instrument :
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 ClientSampleId :
 58BR-20220531

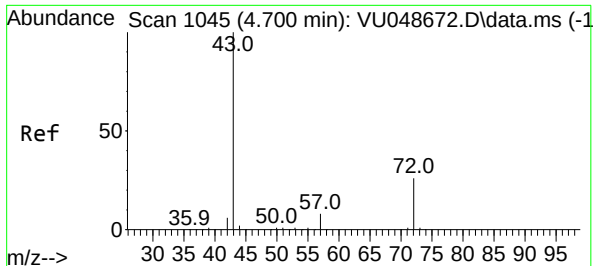
Tgt Ion: 41 Resp: 3404
 Ion Ratio Lower Upper
 41 100
 39 76.1 48.6 72.8#
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 9.326 ug/l
 RT: 2.623 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU048873.D
 Acq: 03 Jun 2022 21:23

Tgt Ion: 43 Resp: 19464
 Ion Ratio Lower Upper
 43 100
 58 31.8 26.3 39.5

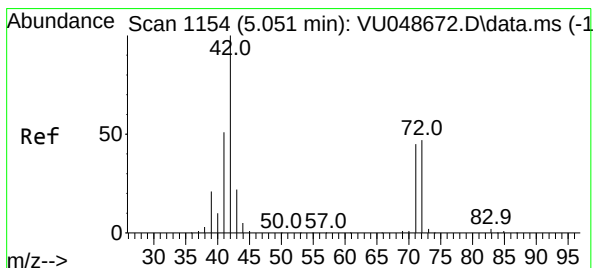
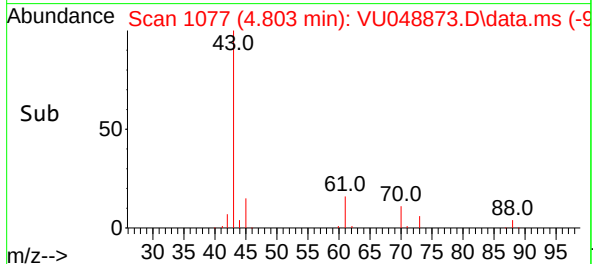
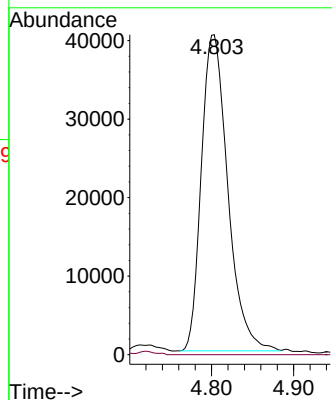
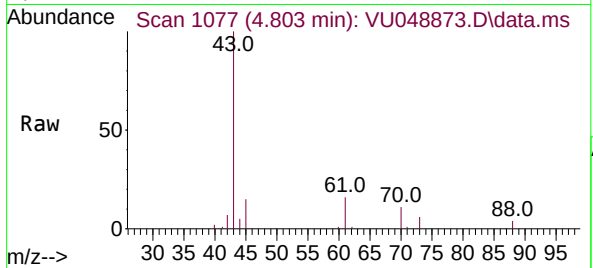




#25
2-Butanone
Concen: 30.117 ug/l
RT: 4.803 min Scan# 1045
Delta R.T. 0.103 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

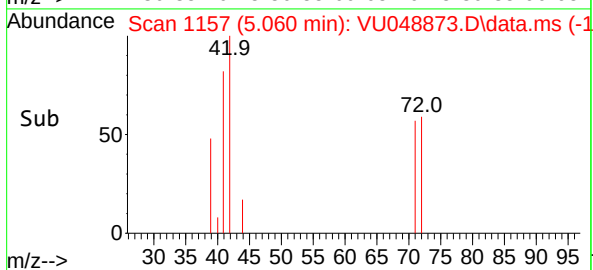
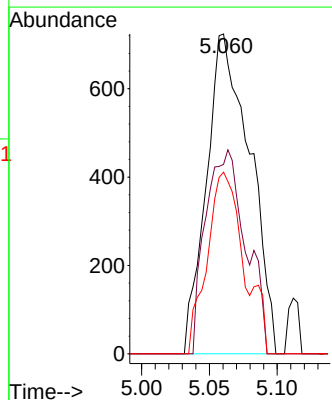
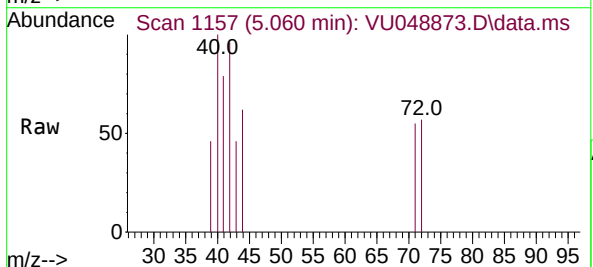
Instrument :
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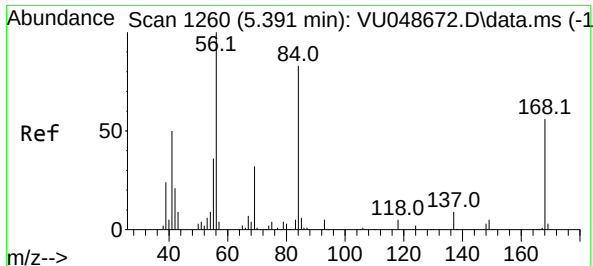
Tgt Ion: 43 Resp: 90297
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.852 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.010 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Tgt Ion: 42 Resp: 1610
Ion Ratio Lower Upper
42 100
72 59.1 37.6 56.4#
71 43.0 35.0 52.4

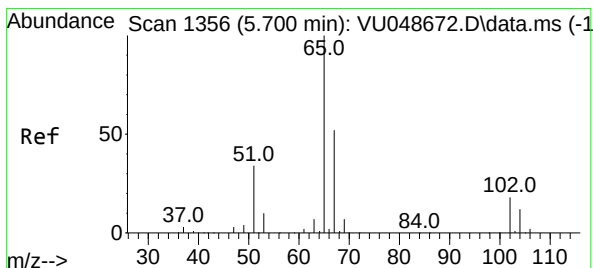
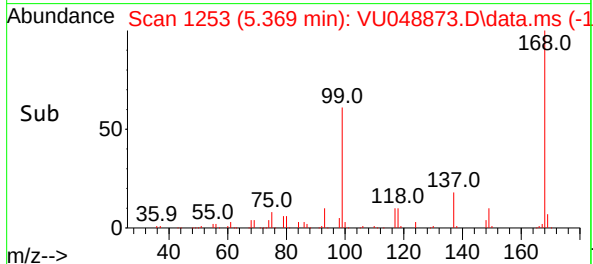
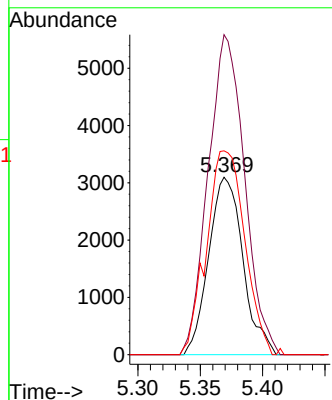
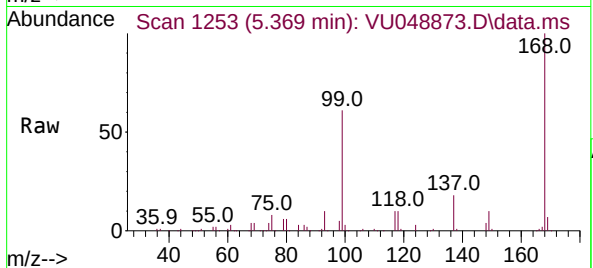




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.022 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

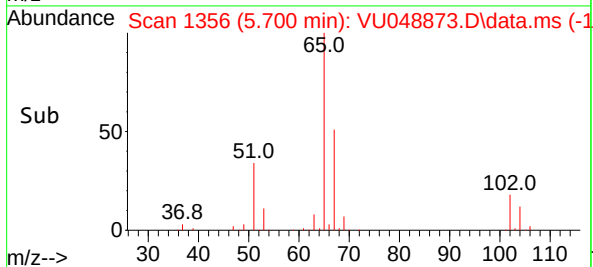
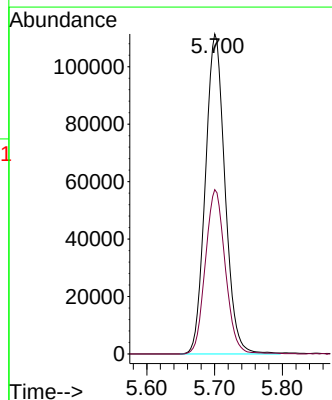
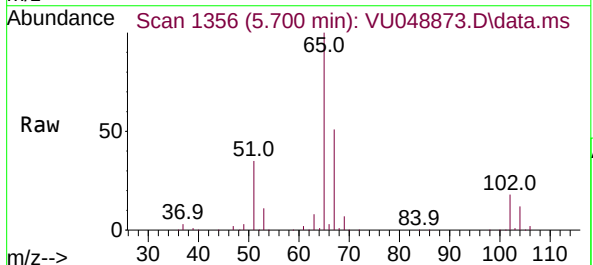
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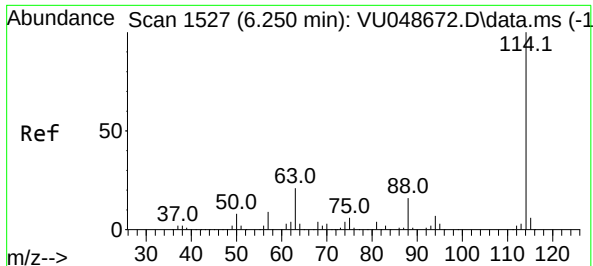
Tgt Ion: 56 Resp: 5920
Ion Ratio Lower Upper
56 100
69 180.3 25.6 38.4#
84 114.8 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 54.713 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Tgt Ion: 65 Resp: 224065
Ion Ratio Lower Upper
65 100
67 52.0 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: VU048873.D

Acq: 03 Jun 2022 21:23

Instrument :

MSVOA_U

ClientSampleId :

58BR-20220531

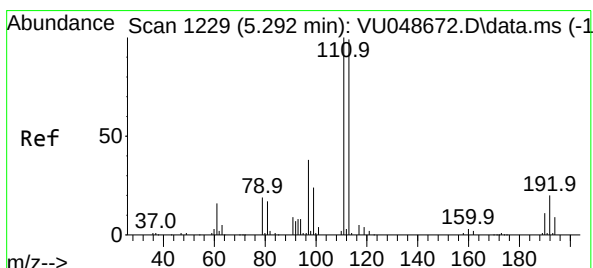
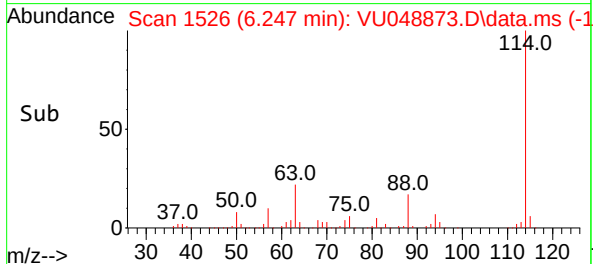
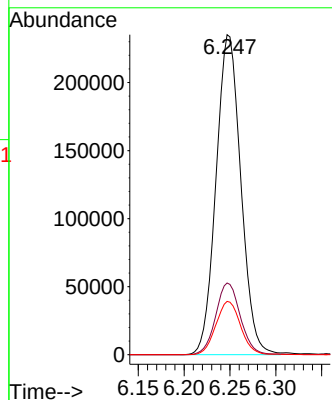
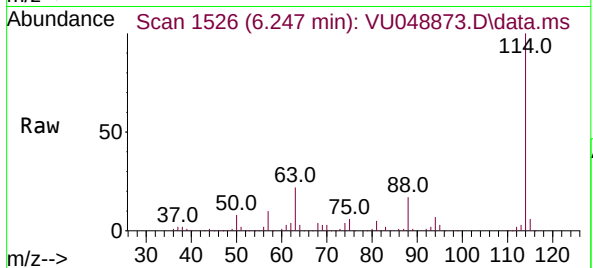
Tgt Ion:114 Resp: 442373

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

88 16.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.341 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048873.D

Acq: 03 Jun 2022 21:23

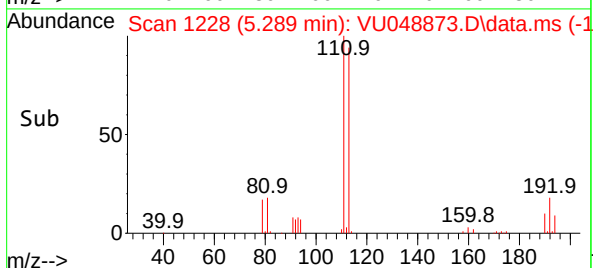
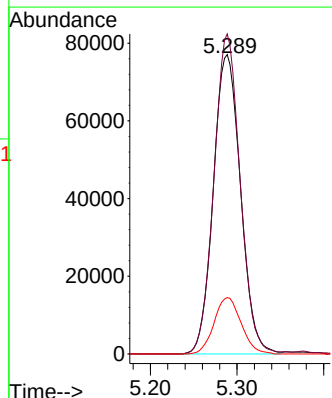
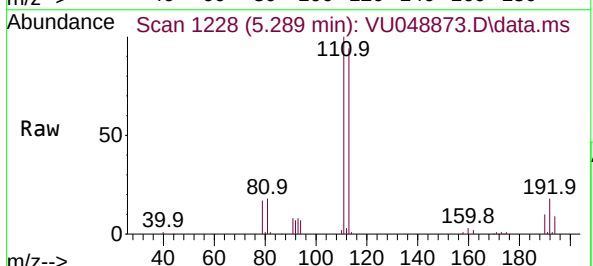
Tgt Ion:113 Resp: 168344

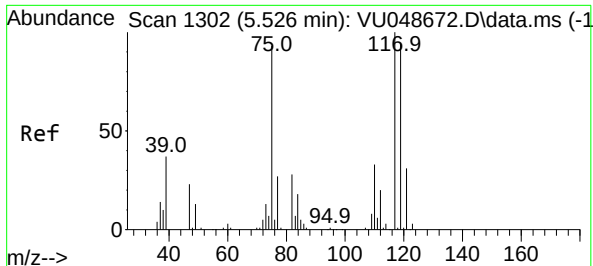
Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

192 18.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.157 min

Lab File: VU048873.D

Acq: 03 Jun 2022 21:23

Instrument :

MSVOA_U

ClientSampleId :

58BR-20220531

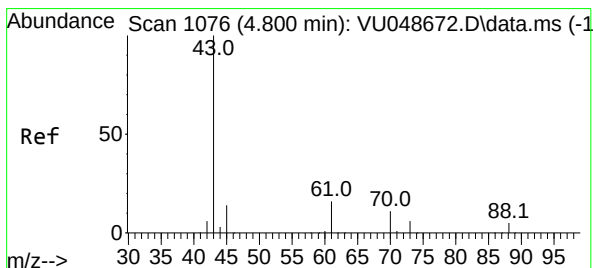
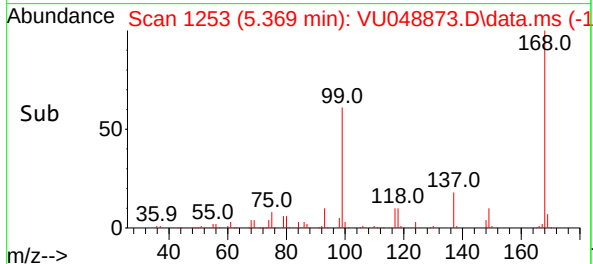
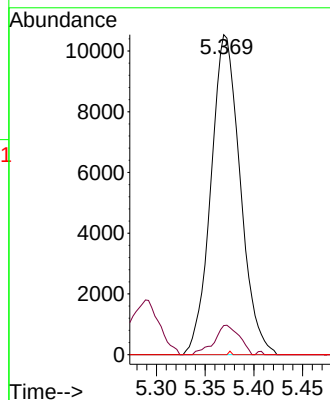
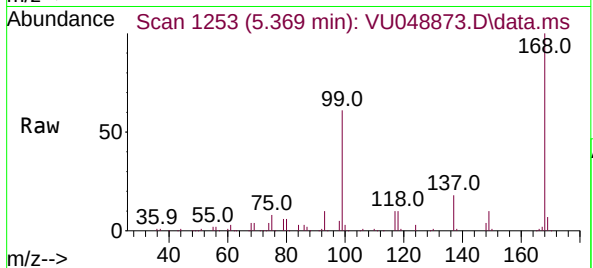
Tgt Ion: 75 Resp: 22023

Ion Ratio Lower Upper

75 100

110 7.9 17.4 52.3#

77 0.1 24.8 37.2#



#37

Ethyl Acetate

Concen: 15.507 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VU048873.D

Acq: 03 Jun 2022 21:23

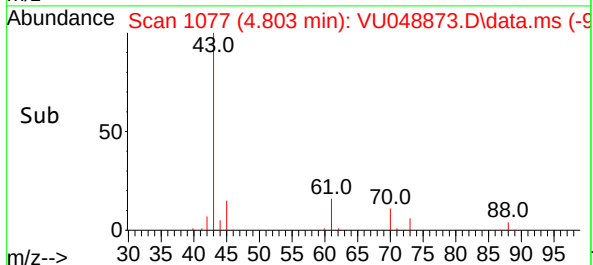
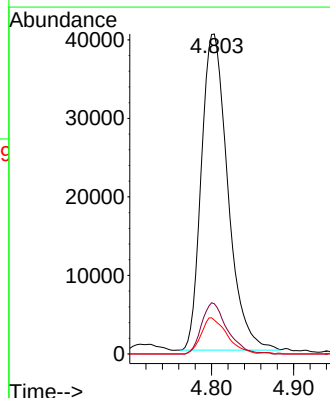
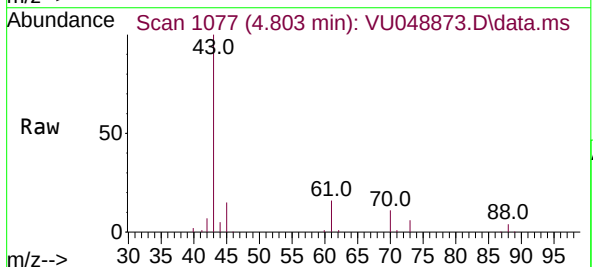
Tgt Ion: 43 Resp: 90297

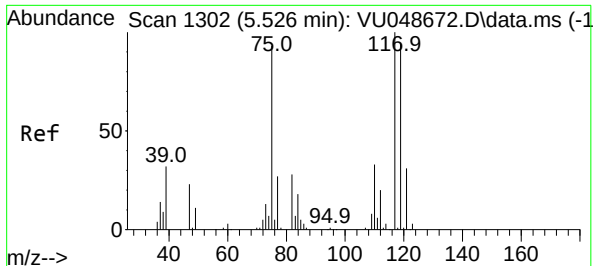
Ion Ratio Lower Upper

43 100

61 15.6 11.7 17.5

70 11.2 8.4 12.6

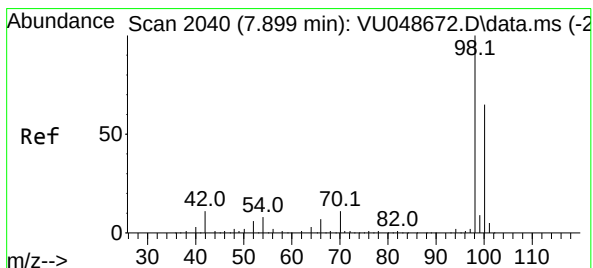
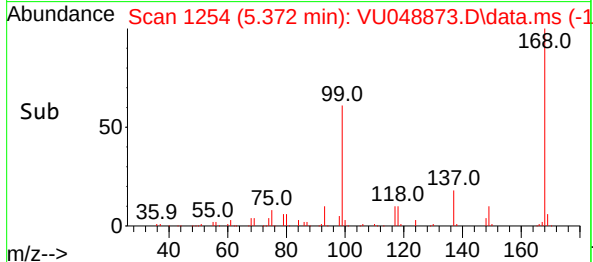
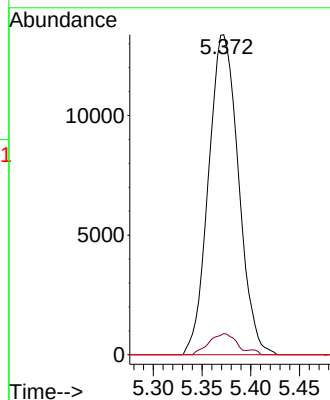
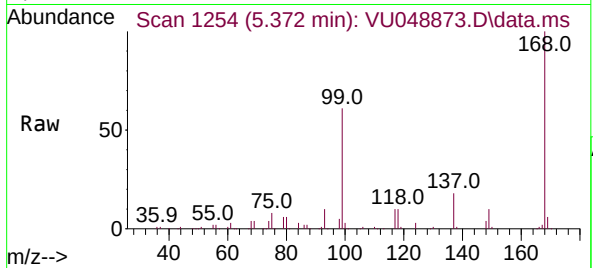




#38
Carbon Tetrachloride
Concen: 5.418 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

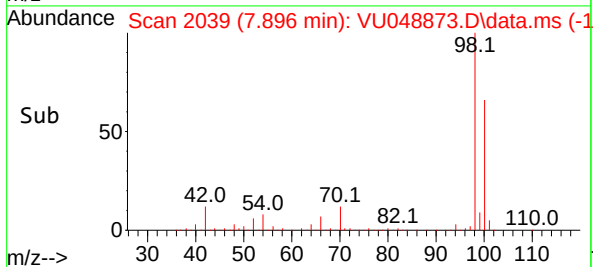
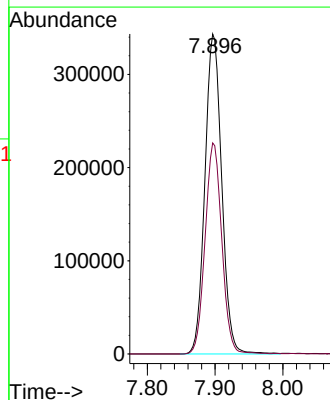
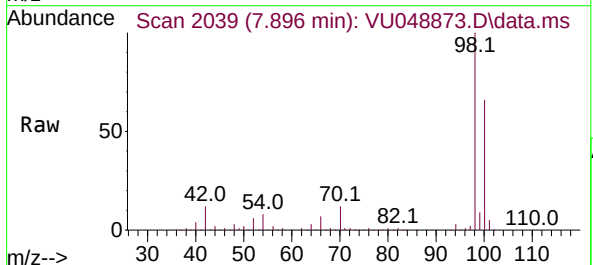
Instrument :
MSVOA_U
ClientSampleId :
58BR-20220531

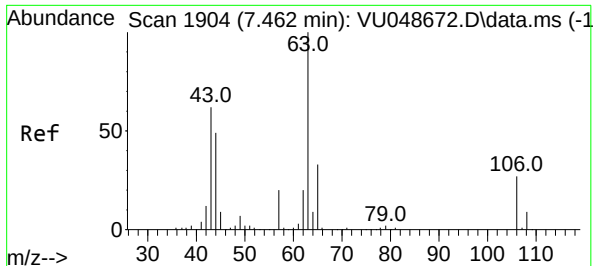
Tgt Ion:117 Resp: 28633
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 52.264 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Tgt Ion: 98 Resp: 591265
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

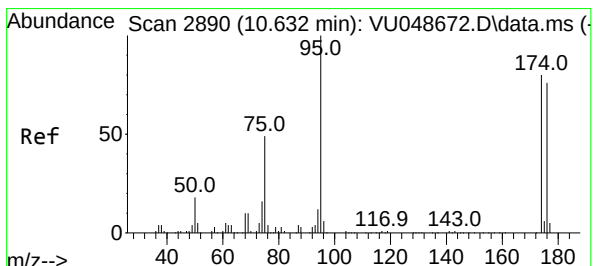
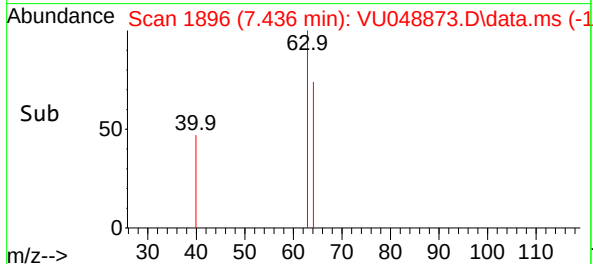
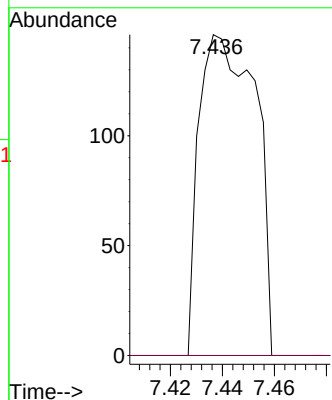
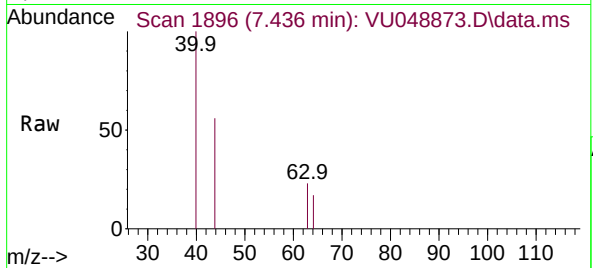




#58
2-Chloroethyl Vinyl ether
Concen: 29.909 ug/l
RT: 7.436 min Scan# 1896
Delta R.T. -0.026 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

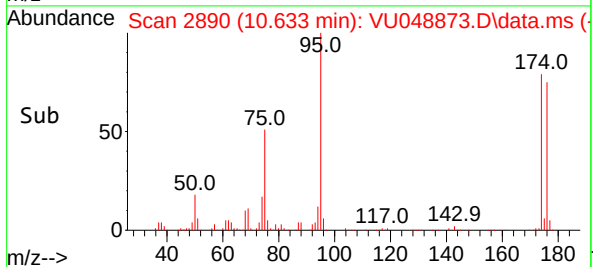
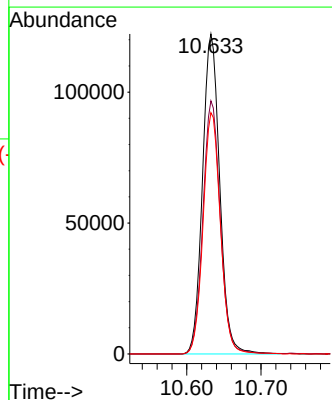
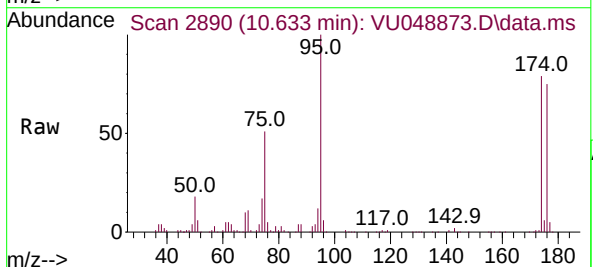
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MSVOA_U
ClientSampleId :
58BR-20220531

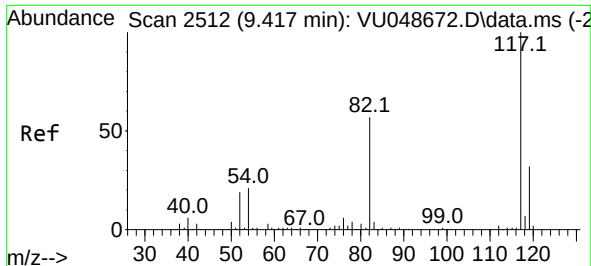
Tgt Ion: 63 Resp: 220
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 46.028 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Tgt Ion: 95 Resp: 196932
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.4
176 75.7 0.0 152.4

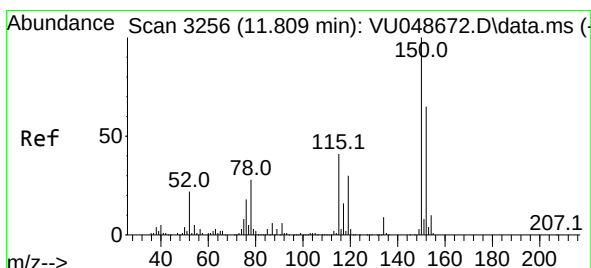
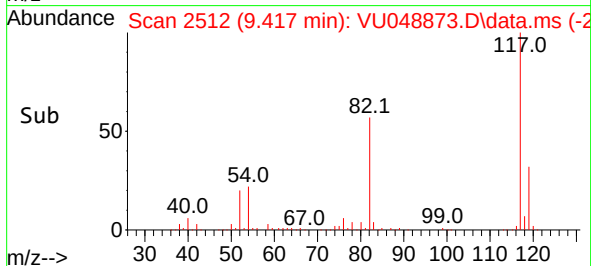
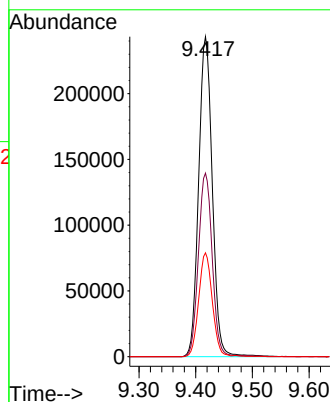
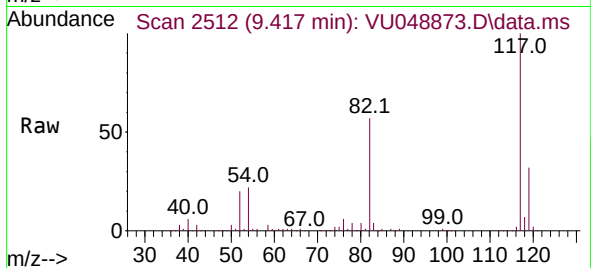




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

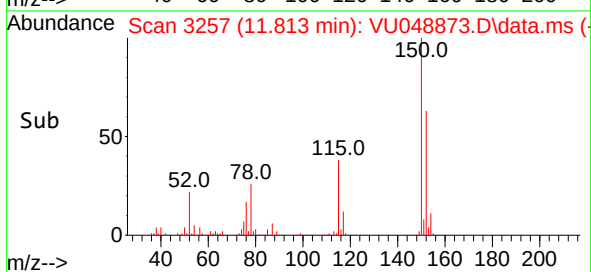
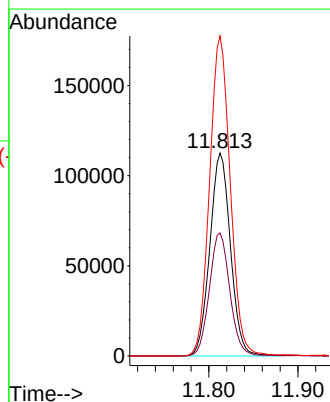
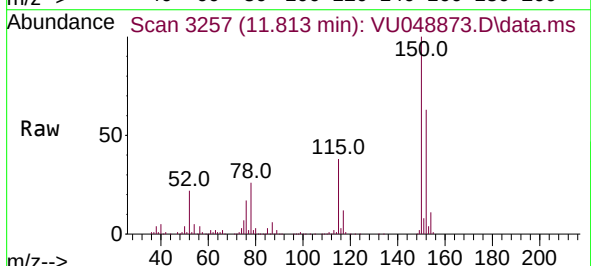
Instrument :
MSVOA_U
ClientSampleId :
58BR-20220531

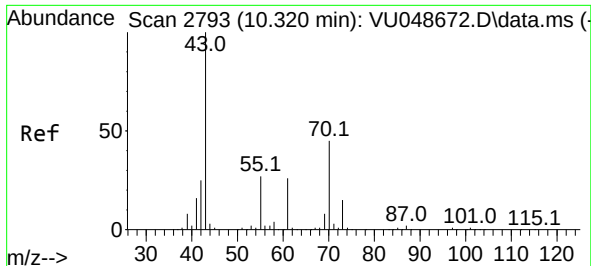
Tgt Ion:117 Resp: 407323
Ion Ratio Lower Upper
117 100
82 57.4 45.3 67.9
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.813 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Tgt Ion:152 Resp: 180821
Ion Ratio Lower Upper
152 100
115 60.2 41.8 125.4
150 157.4 0.0 341.0

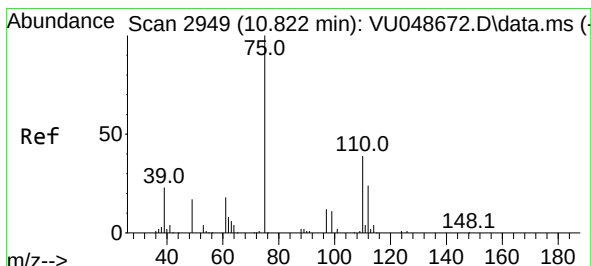
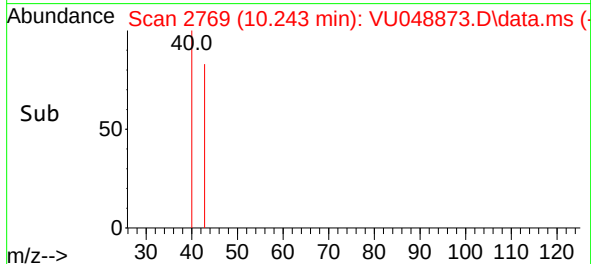
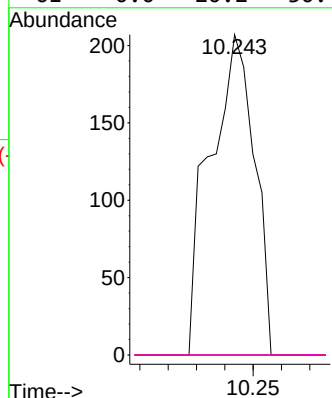
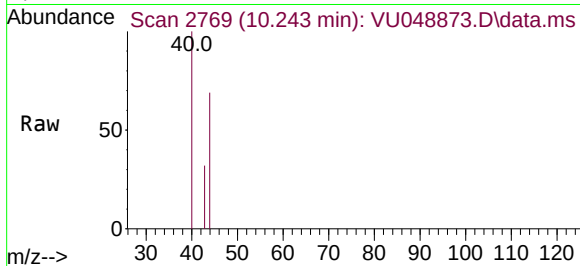




#74
N-amy1 acetate
Concen: 2.503 ug/l
RT: 10.243 min Scan# 21
Delta R.T. -0.077 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

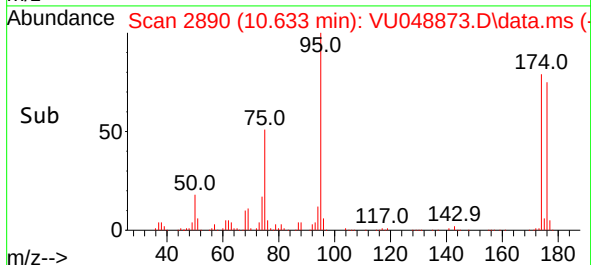
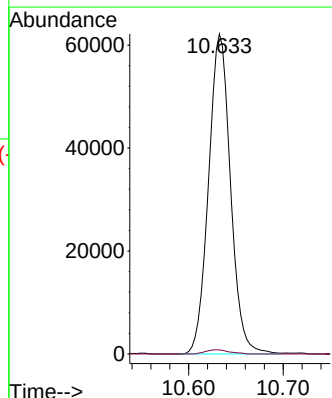
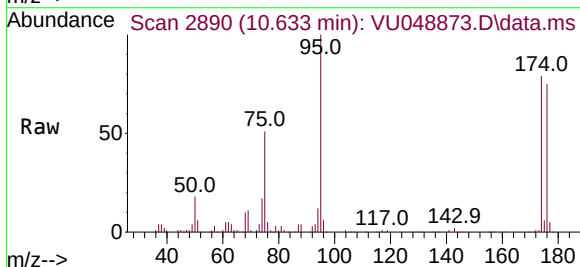
Instrument :
MSVOA_U
ClientSampleId :
58BR-20220531

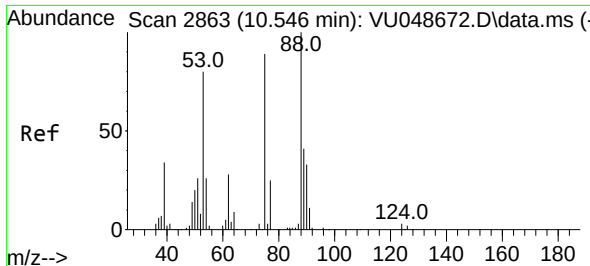
Tgt Ion: 43	Resp: 225
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.205 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Tgt Ion: 75	Resp: 100306
Ion Ratio	Lower Upper
75 100	
77 1.4	14.8 44.3#

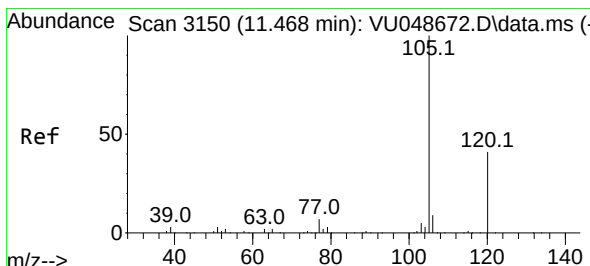
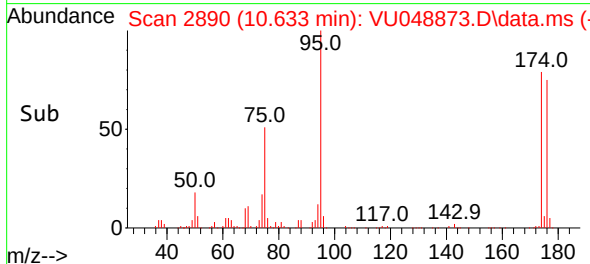
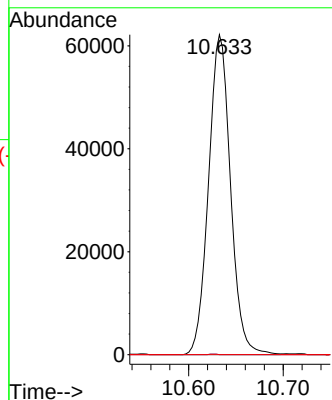
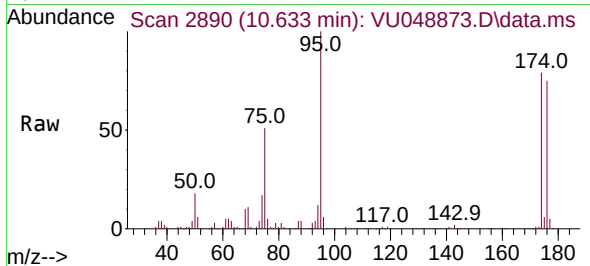




#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.468 ug/l
 RT: 10.633 min Scan# 21
 Delta R.T. 0.087 min
 Lab File: VU048873.D
 Acq: 03 Jun 2022 21:23

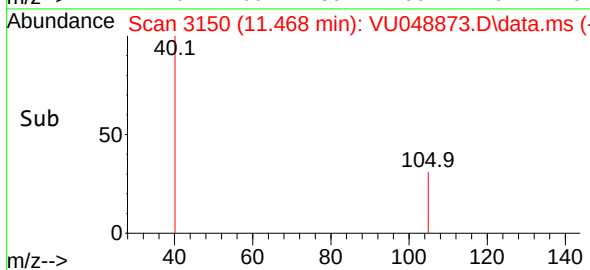
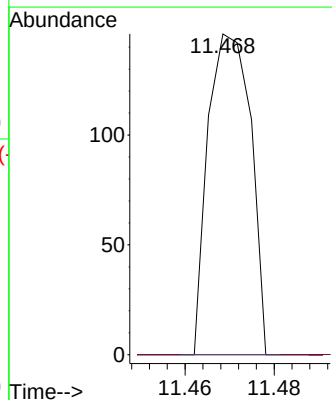
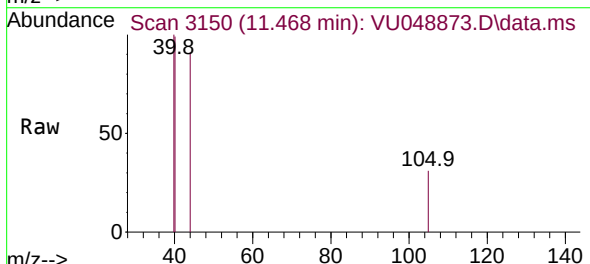
Instrument :
 MSVOA_U
 ClientSampleId :
 58BR-20220531

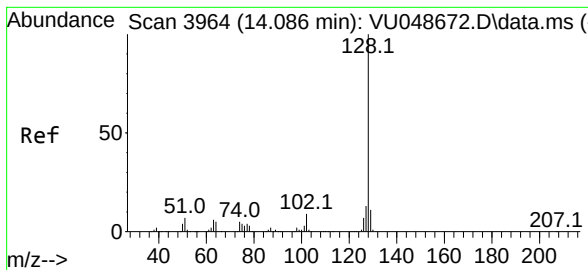
Tgt Ion: 75 Resp: 100306
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.196 ug/l
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU048873.D
 Acq: 03 Jun 2022 21:23

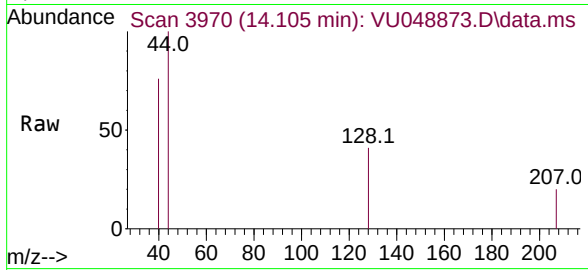
Tgt Ion: 105 Resp: 97
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.5 67.5#





#95
Naphthalene
Concen: 2.573 ug/l
RT: 14.105 min Scan# 3964
Delta R.T. 0.019 min
Lab File: VU048873.D
Acq: 03 Jun 2022 21:23

Instrument :
MSVOA_U
ClientSampleId :
58BR-20220531



Tgt Ion:128 Resp: 603
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

