

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048859.D
 Acq On : 03 Jun 2022 15:53
 Operator : SY/MD
 Sample : N3112-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MH-121.5T-20220527RE

Quant Time: Jun 04 04:38:11 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)

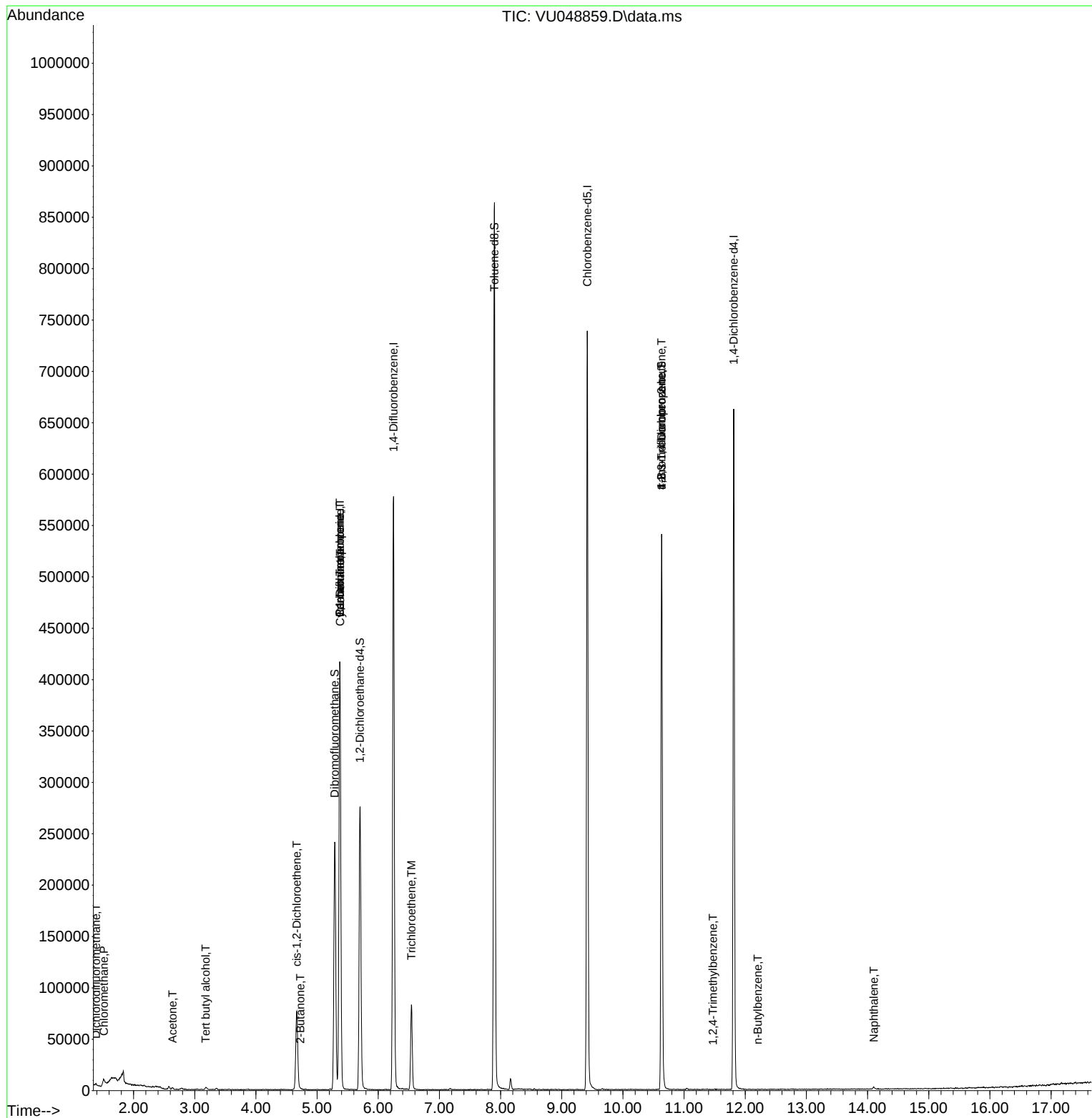
Internal Standards						
1) Pentafluorobenzene	5.372	168	280495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	458966	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	406092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	176031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	213060	50.578	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.160%	
35) Dibromofluoromethane	5.288	113	160432	48.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.000%	
50) Toluene-d8	7.899	98	570763	48.628	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.260%	
62) 4-Bromofluorobenzene	10.632	95	184369	41.534	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 83.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	775	0.241	ug/l	93
3) Chloromethane	1.517	50	992	0.240	ug/l #	81
5) Bromomethane	1.845	94	238	Below Cal		90
6) Chloroethane	1.980	64	632	Below Cal		97
11) Tert butyl alcohol	3.179	59	1680	1.573	ug/l #	28
13) Acrolein	2.488	56	47	Below Cal	#	77
16) Acetone	2.639	43	1861	0.867	ug/l #	82
25) 2-Butanone	4.726	43	852	0.276	ug/l #	87
27) cis-1,2-Dichloroethene	4.668	96	39287	10.394	ug/l	91
31) Cyclohexane	5.375	56	6581	1.240	ug/l #	6
36) 1,1-Dichloropropene	5.372	75	22859	4.783	ug/l #	51
38) Carbon Tetrachloride	5.372	117	29553	5.390	ug/l #	17
44) Trichloroethene	6.542	130	28262	7.775	ug/l	98
64) Tetrachloroethene	8.546	164	143	Below Cal	#	22
76) 1,2,3-Trichloropropane	10.632	75	93047	16.394	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	93047	59.525	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	93	1.195	ug/l	69
89) n-Butylbenzene	12.205	91	39	2.189	ug/l #	34
95) Naphthalene	14.102	128	2860	2.729	ug/l #	76

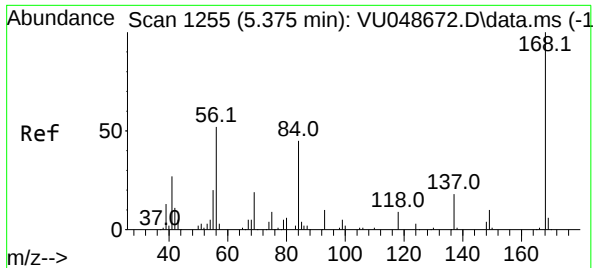
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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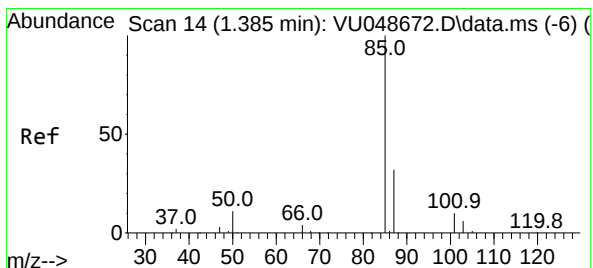
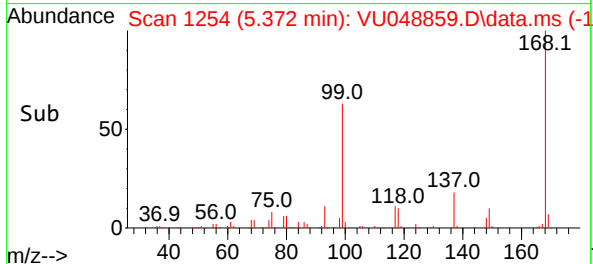
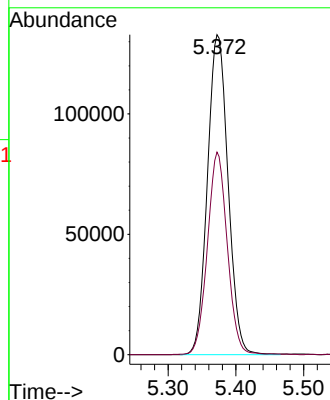
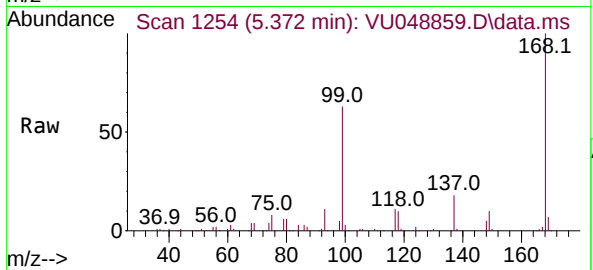




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

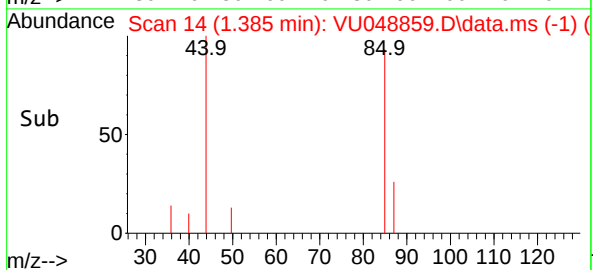
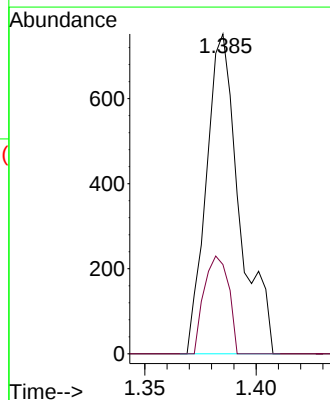
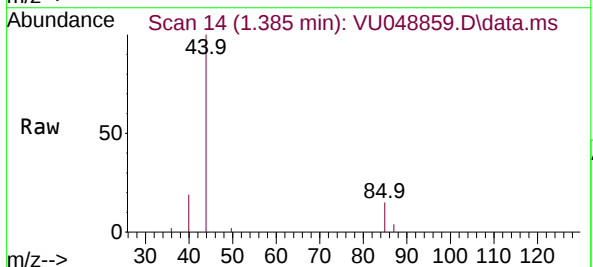
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527RE

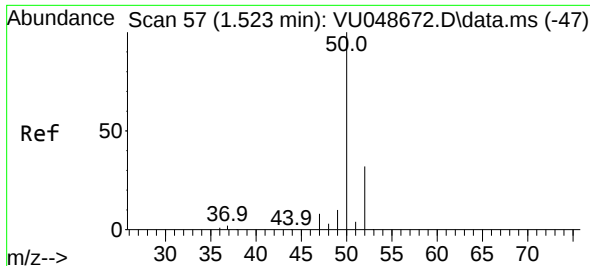
Tgt Ion:168 Resp: 280495
Ion Ratio Lower Upper
168 100
99 63.2 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 0.241 ug/l
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion: 85 Resp: 775
Ion Ratio Lower Upper
85 100
87 27.9 16.0 48.0

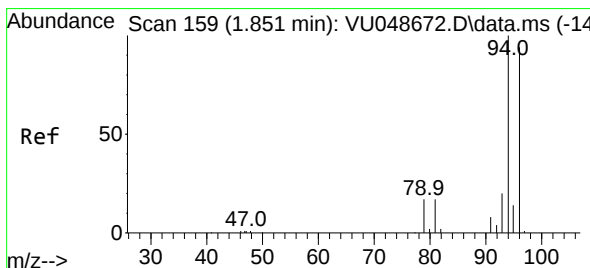
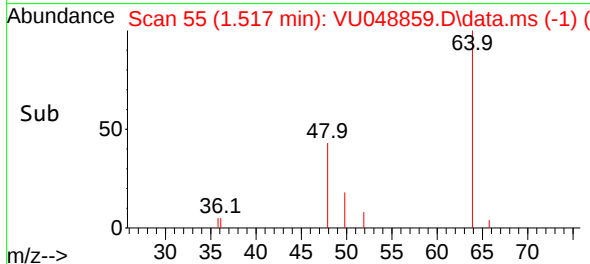
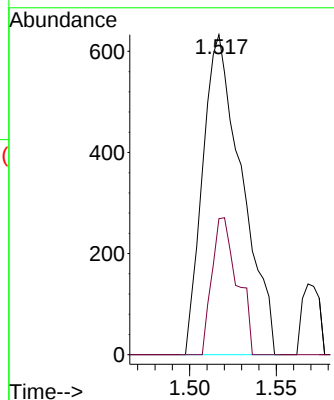
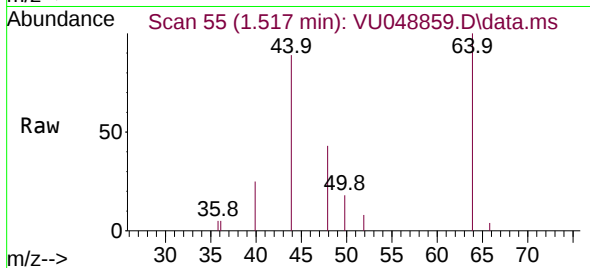




#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.517 min Scan# 51
Delta R.T. -0.007 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

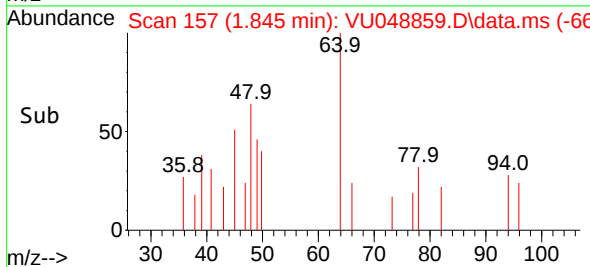
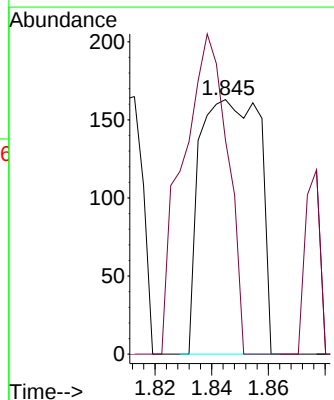
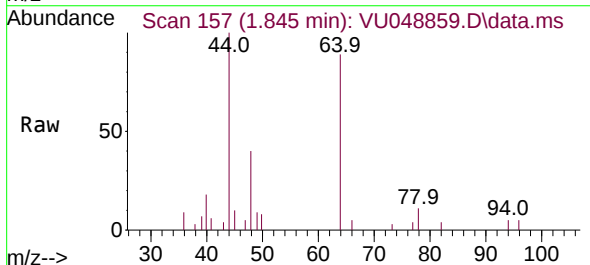
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527RE

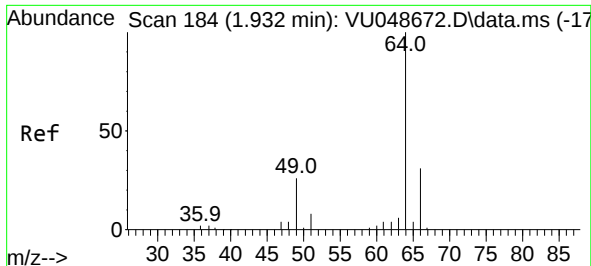
Tgt Ion: 50 Resp: 992
Ion Ratio Lower Upper
50 100
52 42.5 25.7 38.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.845 min Scan# 157
Delta R.T. -0.006 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 84.0 75.1 112.7

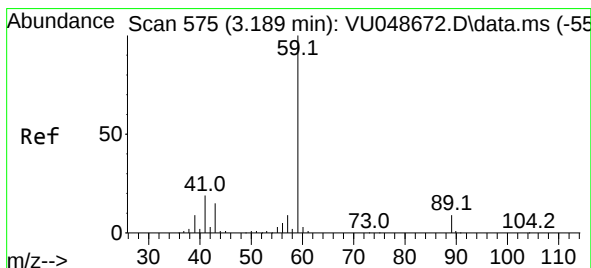
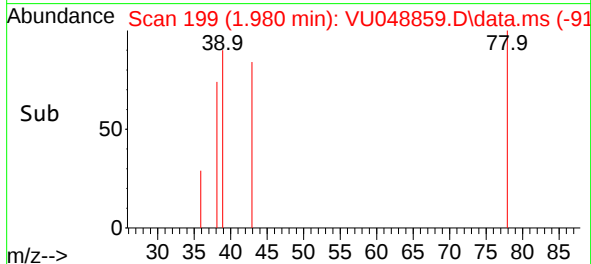
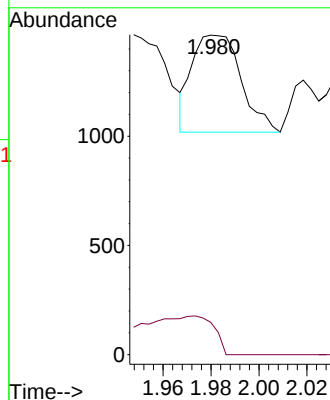
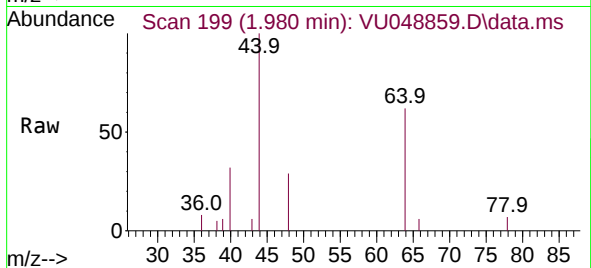




#6
Chloroethane
Concen: Below Cal
RT: 1.980 min Scan# 199
Delta R.T. 0.048 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

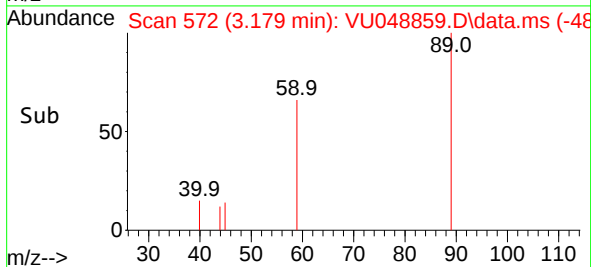
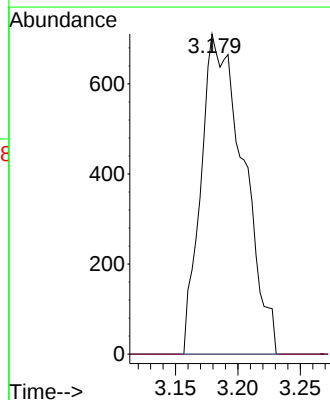
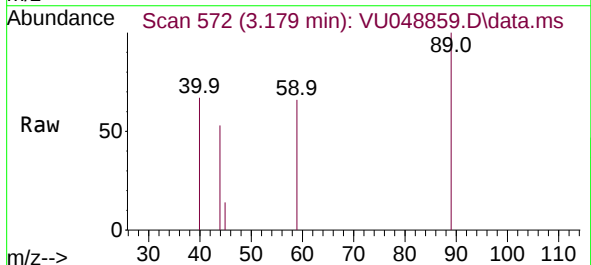
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527RE

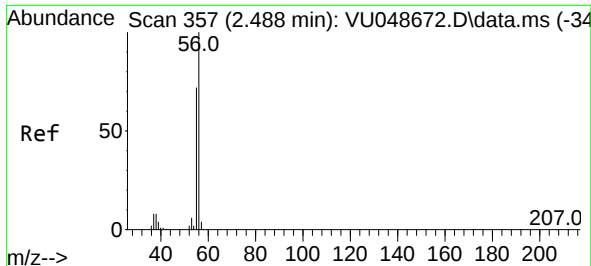
Tgt Ion: 64 Resp: 632
Ion Ratio Lower Upper
64 100
66 33.3 25.2 37.8



#11
Tert butyl alcohol
Concen: 1.573 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.010 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion: 59 Resp: 1680
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

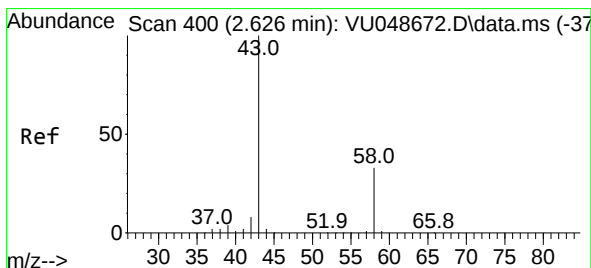
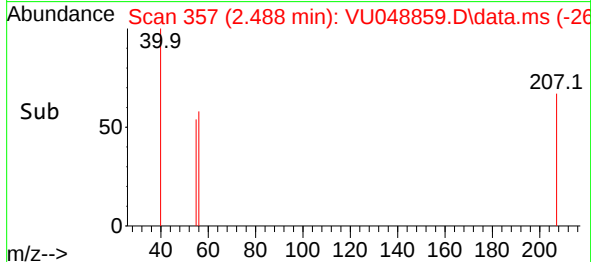
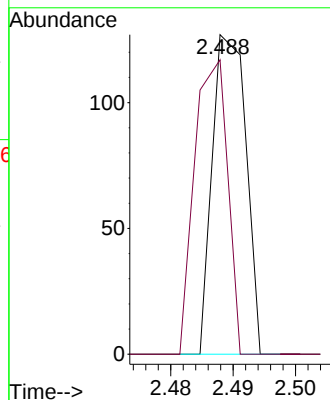
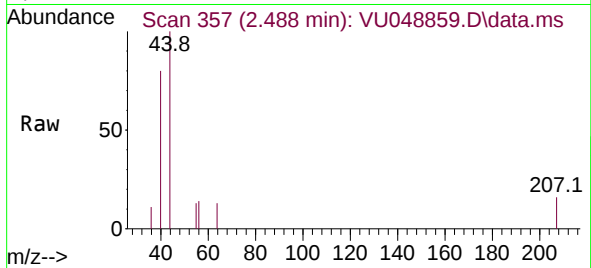




#13
Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 313
Delta R.T. -0.000 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

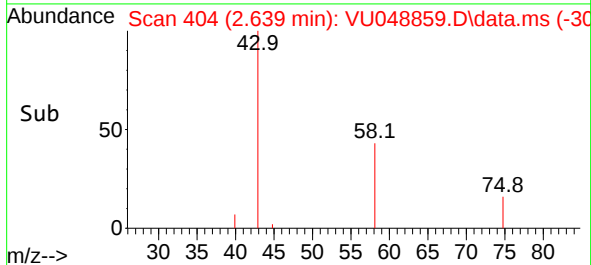
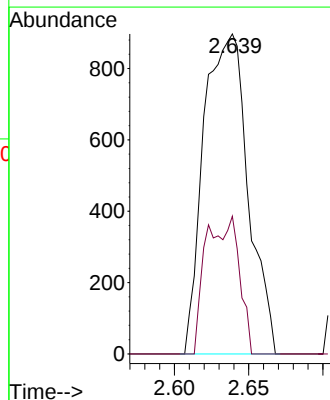
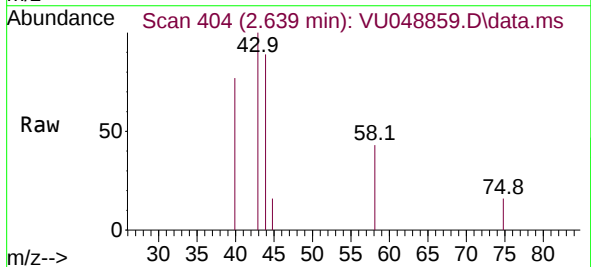
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527RE

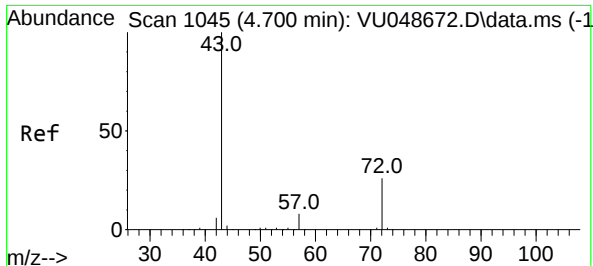
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 91.5 57.7 86.5#



#16
Acetone
Concen: 0.867 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.013 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
58 43.0 26.3 39.5#





#25

2-Butanone

Concen: 0.276 ug/l

RT: 4.726 min Scan# 1053

Delta R.T. 0.026 min

Lab File: VU048859.D

Acq: 03 Jun 2022 15:53

Instrument :

MSVOA_U

ClientSampleId :

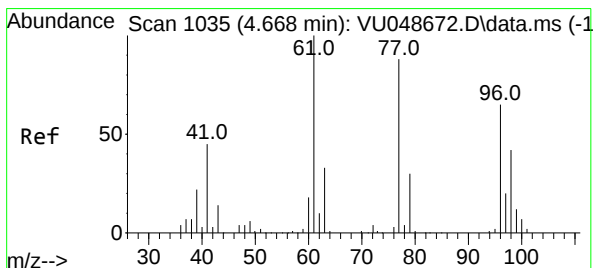
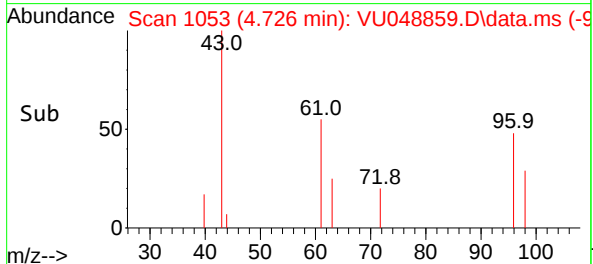
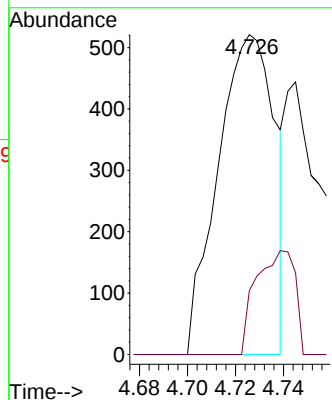
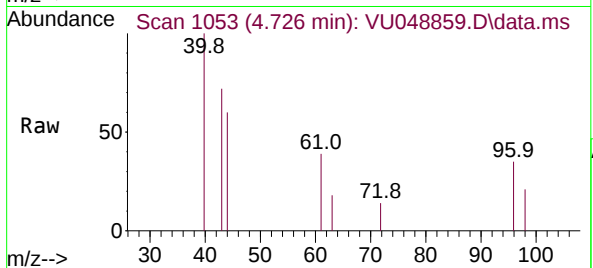
MH-121.5T-20220527RE

Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

72 20.0 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 10.394 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048859.D

Acq: 03 Jun 2022 15:53

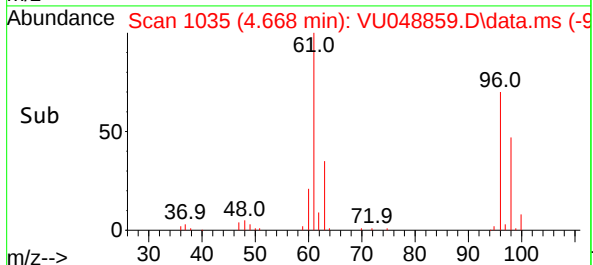
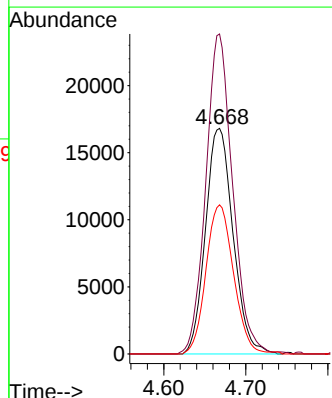
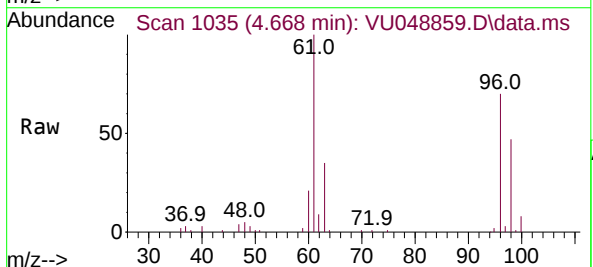
Tgt Ion: 96 Resp: 39287

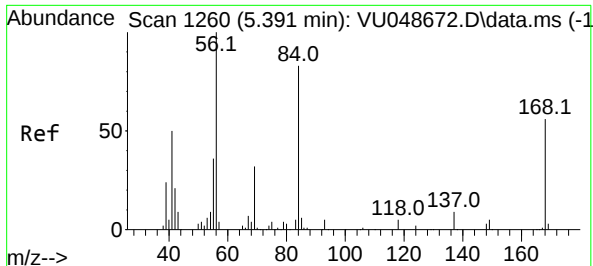
Ion Ratio Lower Upper

96 100

61 137.8 0.0 306.2

98 66.0 0.0 130.4

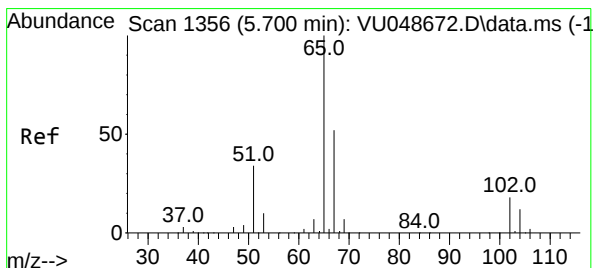
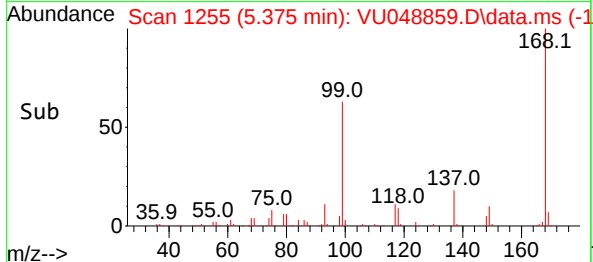
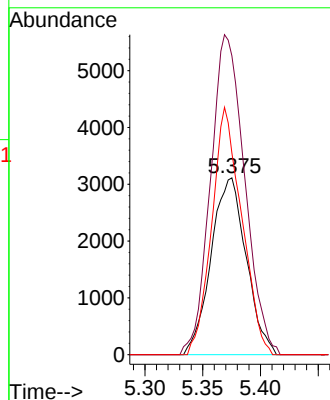
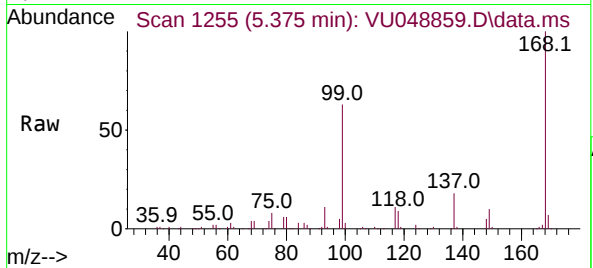




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

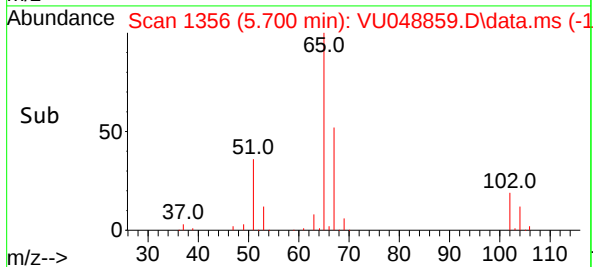
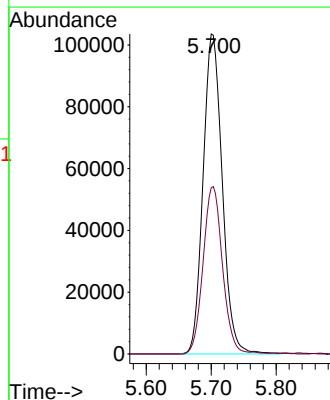
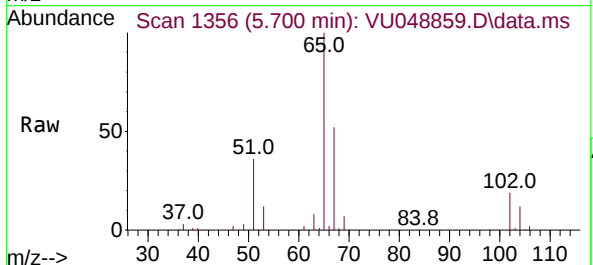
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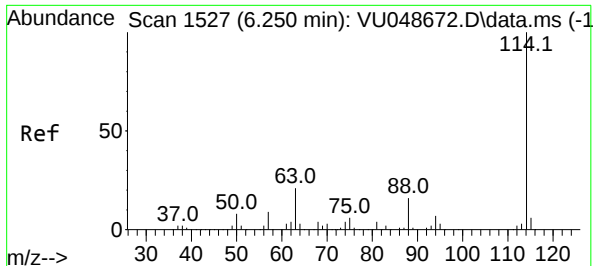
Tgt Ion: 56 Resp: 6581
Ion Ratio Lower Upper
56 100
69 169.1 25.6 38.4#
84 114.1 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 50.578 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion: 65 Resp: 213060
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: VU048859.D

Acq: 03 Jun 2022 15:53

Instrument :

MSVOA_U

ClientSampleId :

MH-121.5T-20220527RE

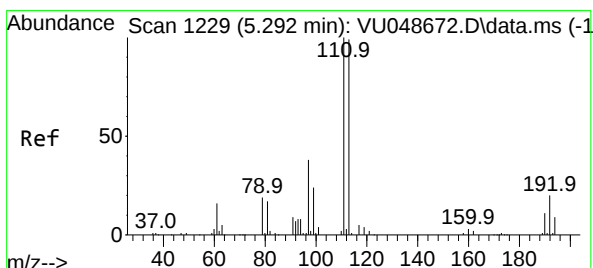
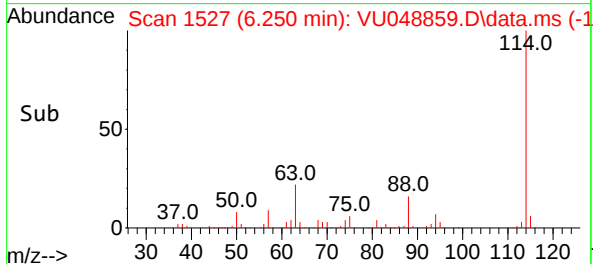
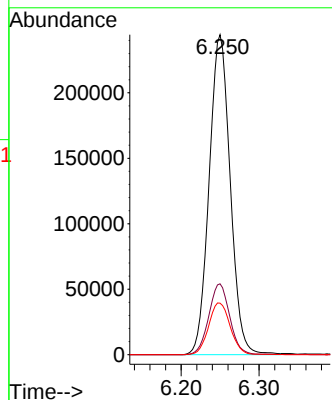
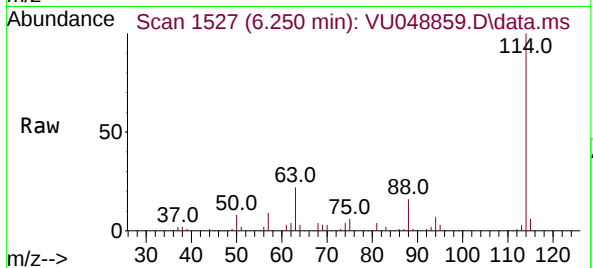
Tgt Ion:114 Resp: 458966

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.6

88 16.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.996 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048859.D

Acq: 03 Jun 2022 15:53

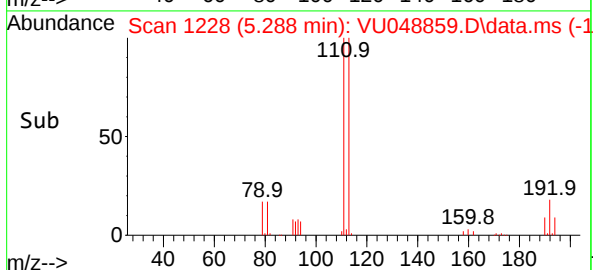
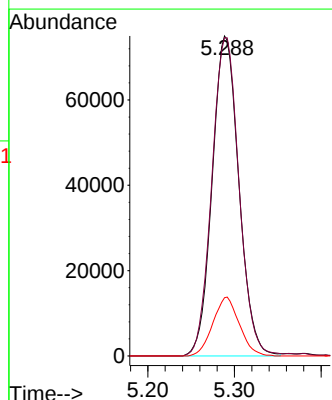
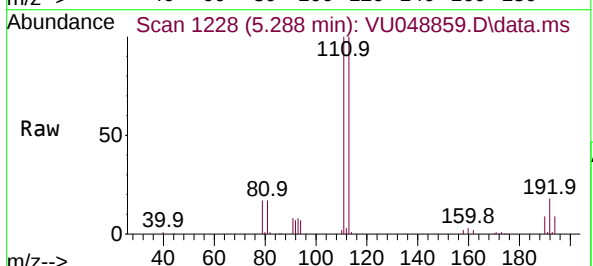
Tgt Ion:113 Resp: 160432

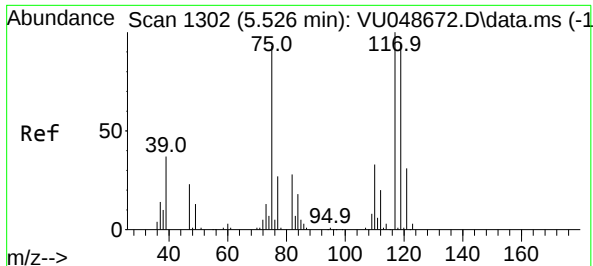
Ion Ratio Lower Upper

113 100

111 101.5 80.7 121.1

192 18.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048859.D

Acq: 03 Jun 2022 15:53

Instrument :

MSVOA_U

ClientSampleId :

MH-121.5T-20220527RE

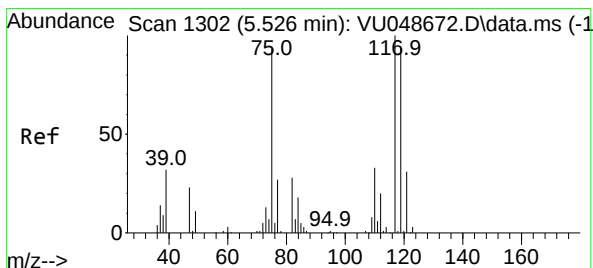
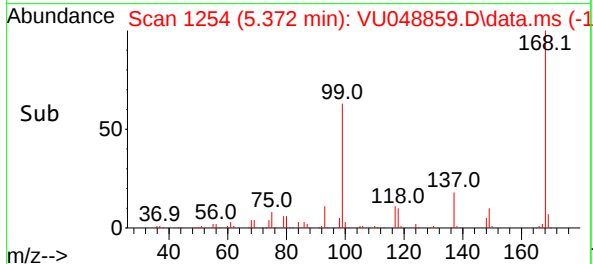
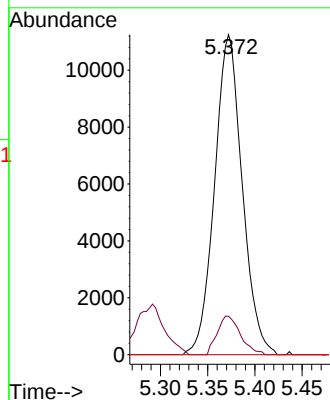
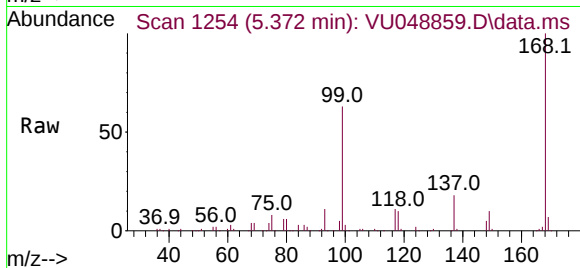
Tgt Ion: 75 Resp: 22859

Ion Ratio Lower Upper

75 100

110 10.1 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.390 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048859.D

Acq: 03 Jun 2022 15:53

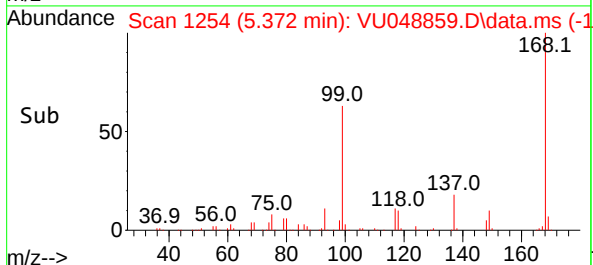
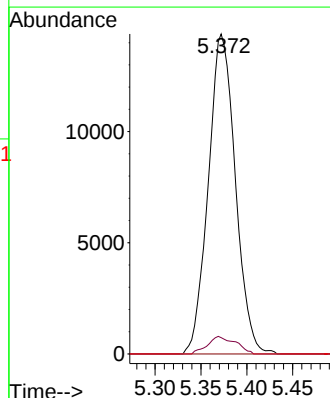
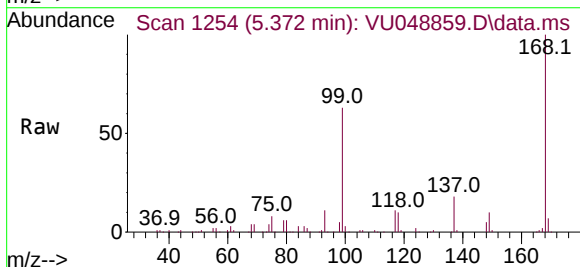
Tgt Ion: 117 Resp: 29553

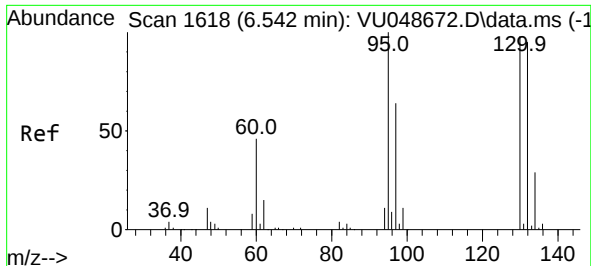
Ion Ratio Lower Upper

117 100

119 5.1 75.4 113.2#

121 0.0 24.6 36.8#

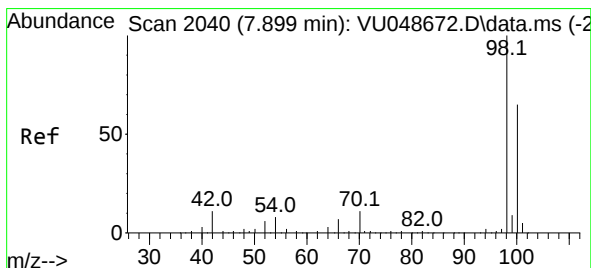
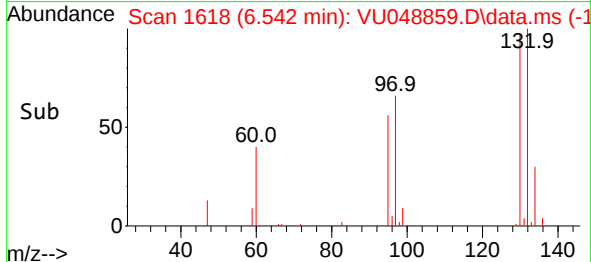
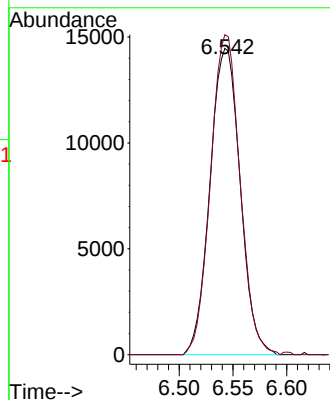
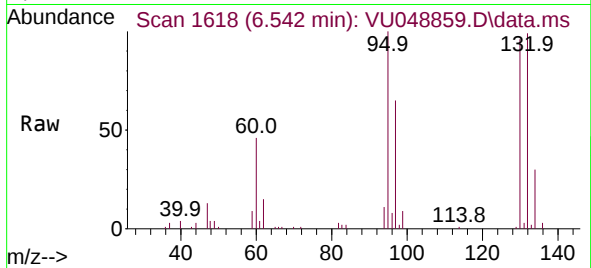




#44
Trichloroethene
Concen: 7.775 ug/l
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

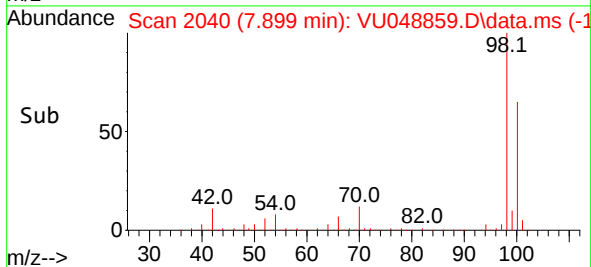
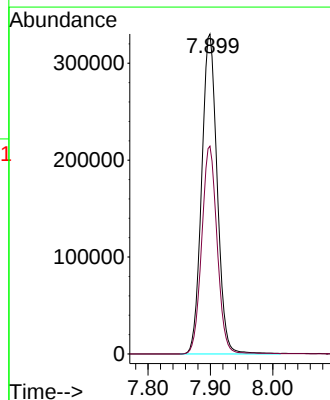
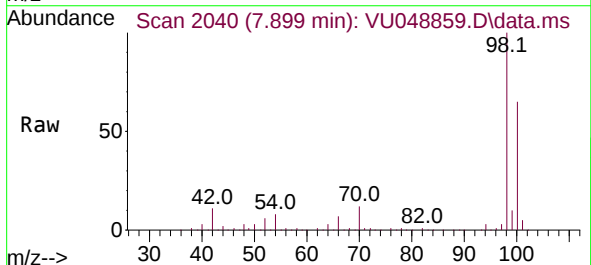
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527RE

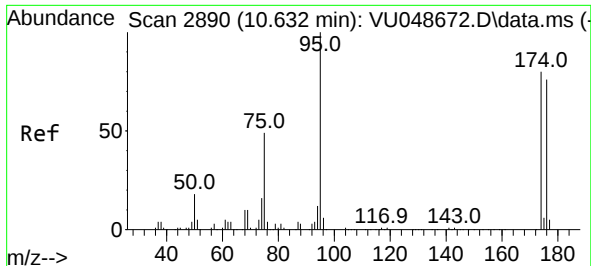
Tgt Ion:130 Resp: 28262
Ion Ratio Lower Upper
130 100
95 104.5 0.0 204.8



#50
Toluene-d8
Concen: 48.628 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion: 98 Resp: 570763
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

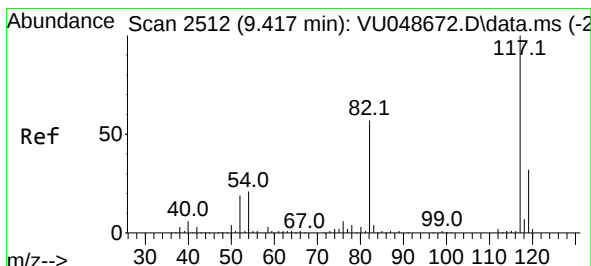
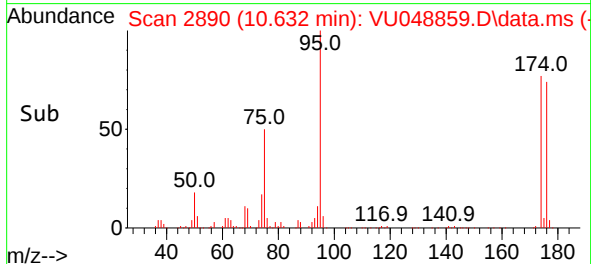
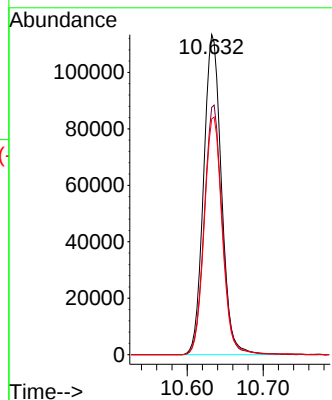
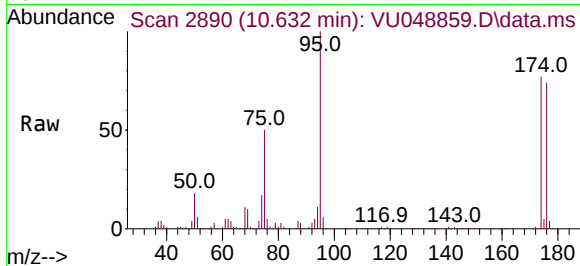




#62
4-Bromofluorobenzene
Concen: 41.534 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

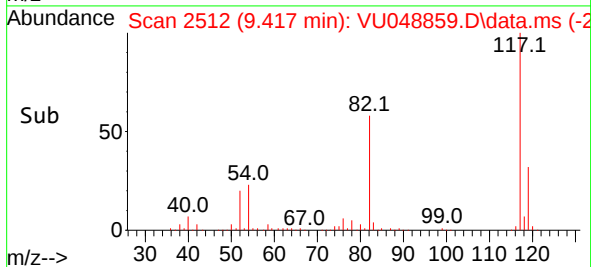
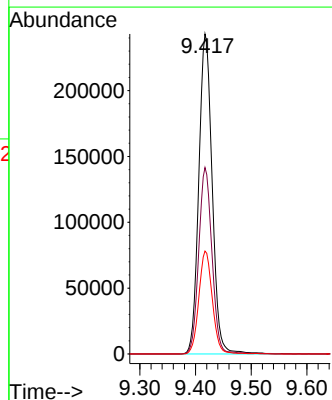
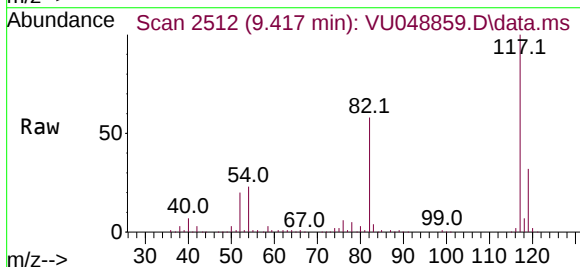
Instrument : MSVOA_U
ClientSampleId : MH-121.5T-20220527RE

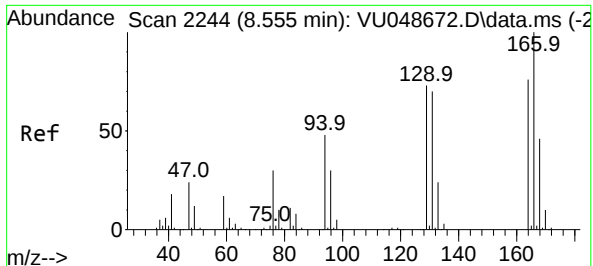
Tgt Ion: 95 Resp: 184369
Ion Ratio Lower Upper
95 100
174 79.1 0.0 159.4
176 75.0 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion: 117 Resp: 406092
Ion Ratio Lower Upper
117 100
82 58.2 45.3 67.9
119 32.2 25.4 38.2

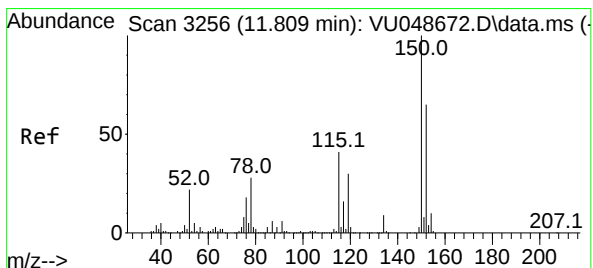
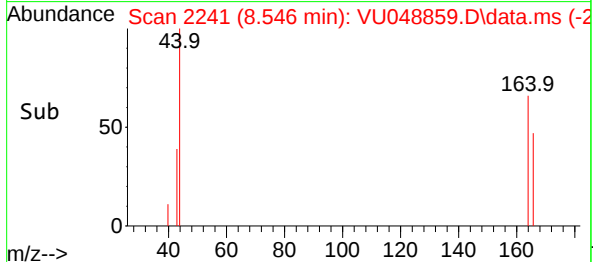
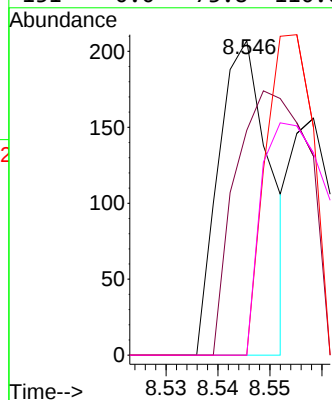
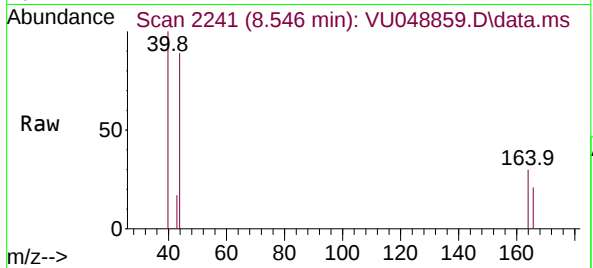




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.546 min Scan# 21
Delta R.T. -0.009 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

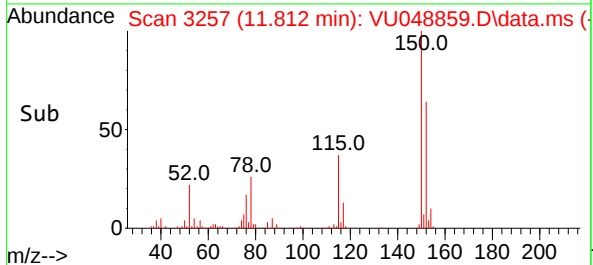
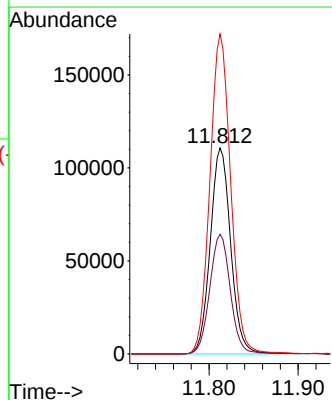
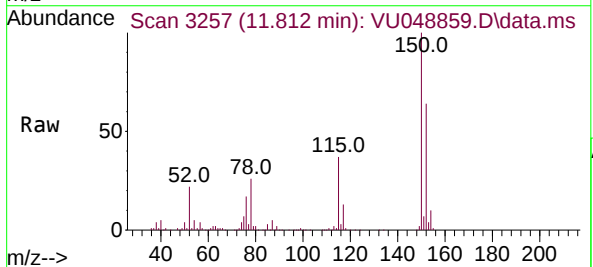
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527RE

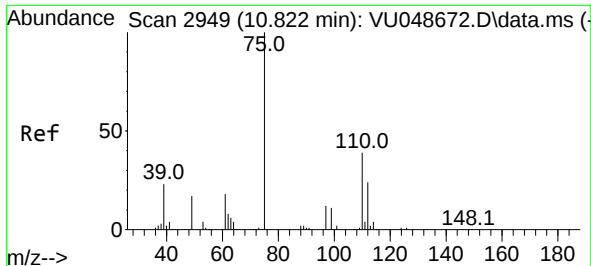
Tgt Ion:164 Resp: 143
Ion Ratio Lower Upper
164 100
166 71.5 105.0 157.4#
129 0.0 76.5 114.7#
131 0.0 73.8 110.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion:152 Resp: 176031
Ion Ratio Lower Upper
152 100
115 58.7 41.8 125.4
150 157.9 0.0 341.0

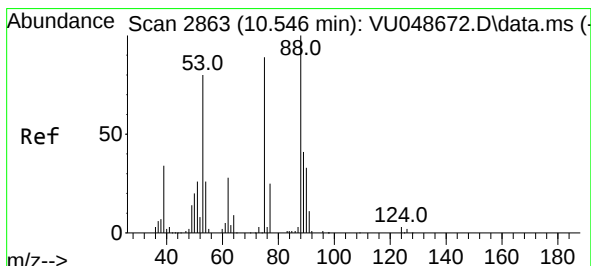
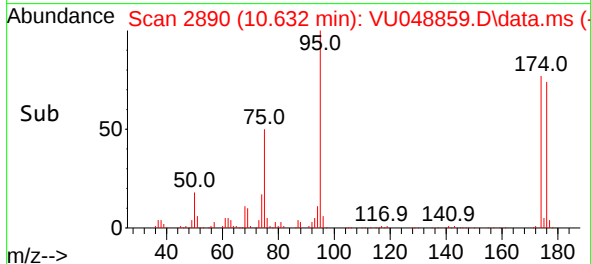
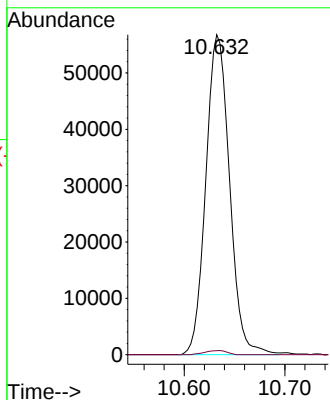
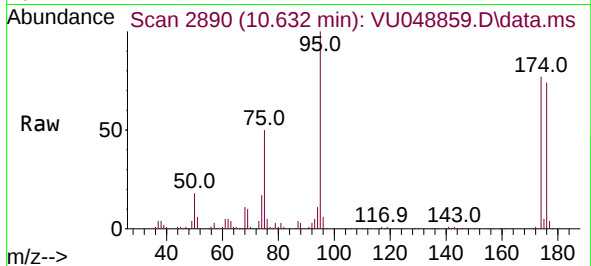




#76
1,2,3-Trichloropropane
Concen: 16.394 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

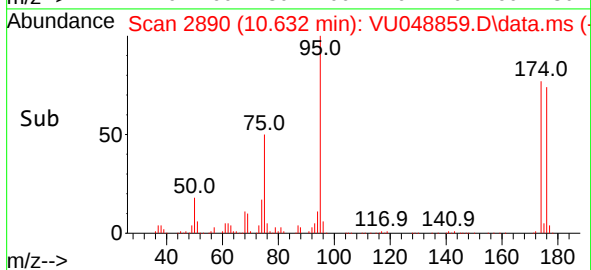
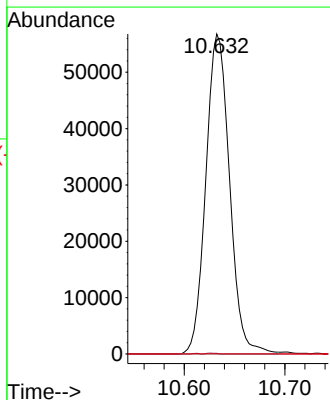
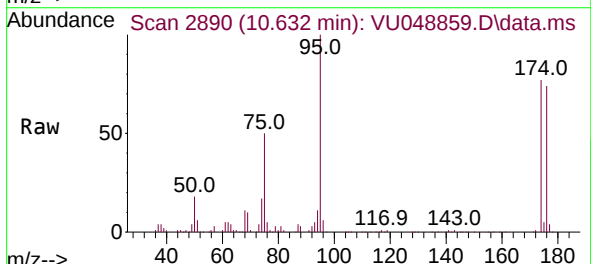
Instrument : MSVOA_U
ClientSampleId : MH-121.5T-20220527RE

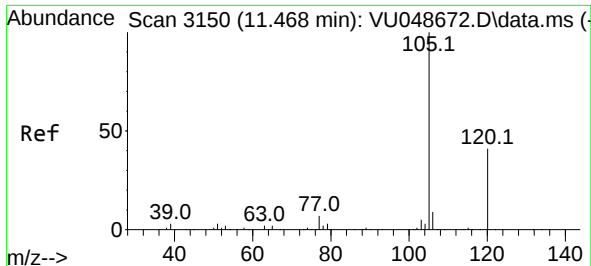
Tgt Ion: 75 Resp: 93047
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.525 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion: 75 Resp: 93047
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

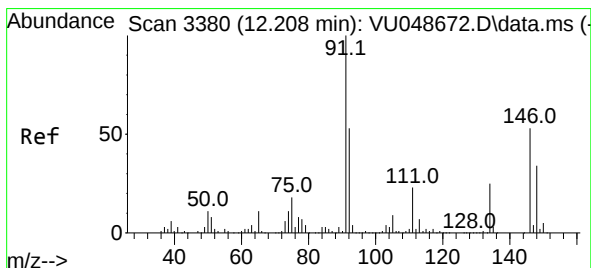
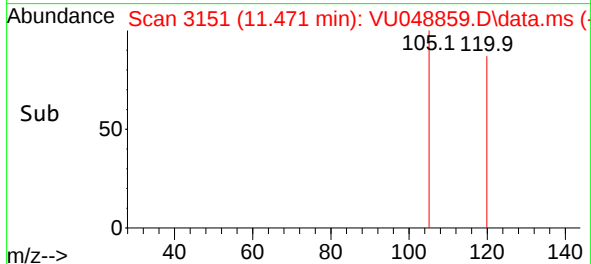
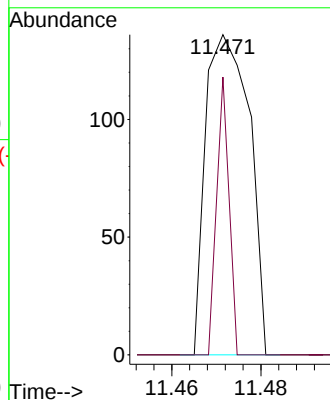
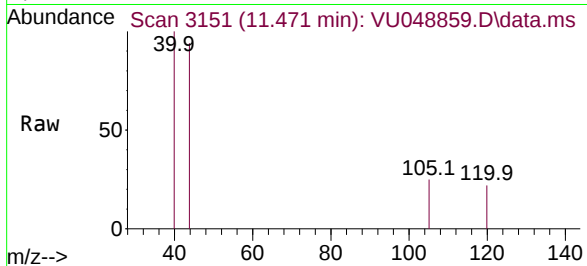




#84
1,2,4-Trimethylbenzene
Concen: 1.195 ug/l
RT: 11.471 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

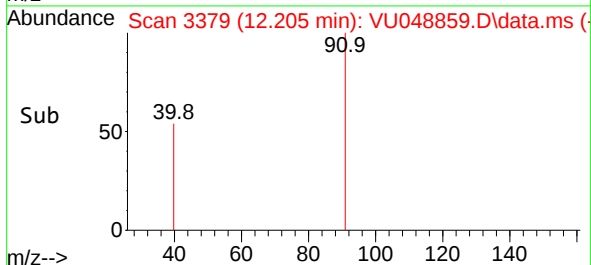
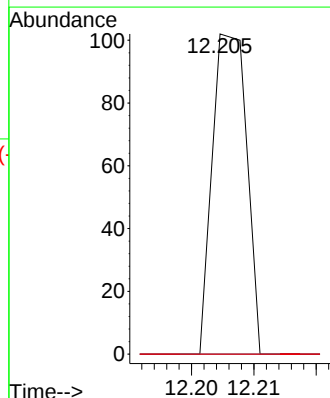
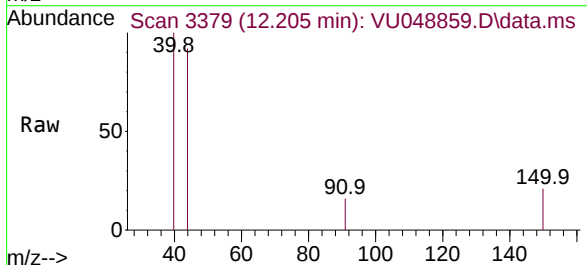
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527RE

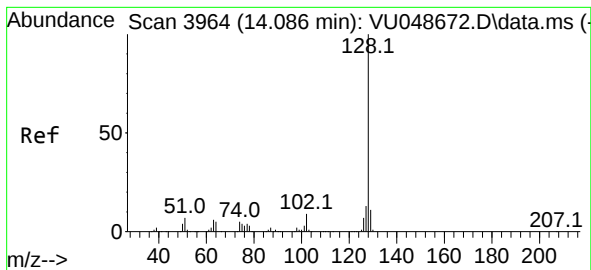
Tgt Ion:105 Resp: 93
Ion Ratio Lower Upper
105 100
120 24.7 22.5 67.5



#89
n-Butylbenzene
Concen: 2.189 ug/l
RT: 12.205 min Scan# 3379
Delta R.T. -0.003 min
Lab File: VU048859.D
Acq: 03 Jun 2022 15:53

Tgt Ion: 91 Resp: 39
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95

Naphthalene

Concen: 2.729 ug/l

RT: 14.102 min Scan# 3969

Delta R.T. 0.016 min

Lab File: VU048859.D

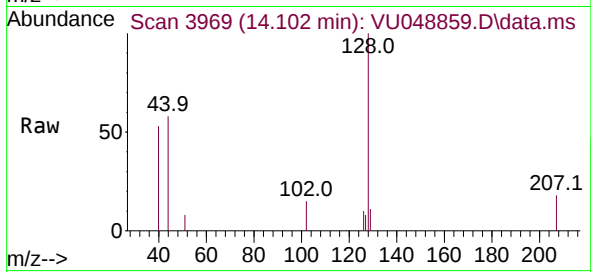
Acq: 03 Jun 2022 15:53

Instrument :

MSVOA_U

ClientSampleId :

MH-121.5T-20220527RE



Tgt Ion:128 Resp: 2860

Ion Ratio Lower Upper

128 100

127 1.4 10.2 15.4#

129 4.1 8.7 13.1#

