

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049491.D
 Acq On : 29 Jun 2022 04:32
 Operator : SY/MD
 Sample : N3457-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW179D-20220617

Quant Time: Jun 29 05:26:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

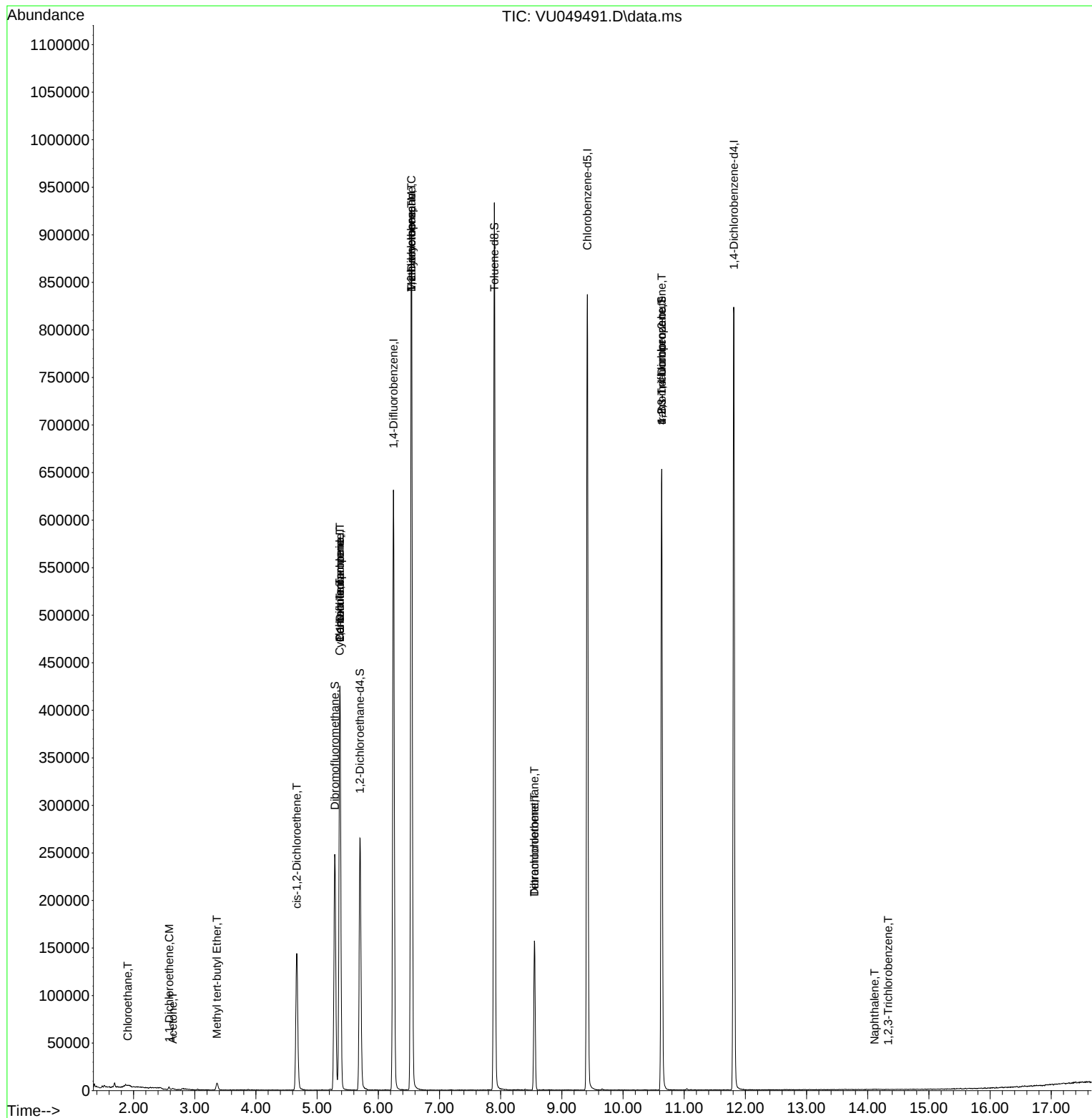
Internal Standards						
1) Pentafluorobenzene	5.372	168	293868	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	517577	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	470335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	218444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	202080	44.651	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.300%
35) Dibromofluoromethane	5.289	113	161535	44.609	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.220%
50) Toluene-d8	7.896	98	617664	47.823	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.640%
62) 4-Bromofluorobenzene	10.632	95	224766	45.430	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.860%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1596	Below Cal		92
6) Chloroethane	1.906	64	74	1.948	ug/l #	44
12) 1,1-Dichloroethene	2.581	96	818	0.256	ug/l	90
16) Acetone	2.642	43	1819	0.797	ug/l #	74
19) Methyl tert-butyl Ether	3.363	73	7972	0.672	ug/l	93
20) Methylene Chloride	3.051	84	206	Below Cal	#	72
27) cis-1,2-Dichloroethene	4.668	96	77229	19.427	ug/l	99
31) Cyclohexane	5.369	56	5872	0.864	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	23800	4.533	ug/l #	49
38) Carbon Tetrachloride	5.372	117	29719	5.397	ug/l #	15
39) Methylcyclohexane	6.539	83	4266	0.678	ug/l #	1
44) Trichloroethene	6.543	130	314408	83.433	ug/l	87
45) 1,2-Dichloropropane	6.539	63	1012	0.230	ug/l #	1
60) Dibromochloromethane	8.552	129	34165	8.434	ug/l #	11
64) Tetrachloroethene	8.552	164	33850	11.221	ug/l	89
76) 1,2,3-Trichloropropane	10.632	75	113374	15.310	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	113374	56.539	ug/l #	15
95) Naphthalene	14.111	128	554	1.767	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.336	180	44	1.186	ug/l #	47

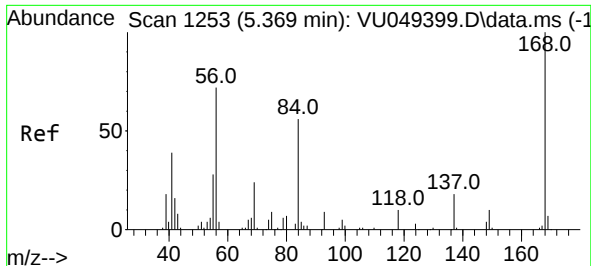
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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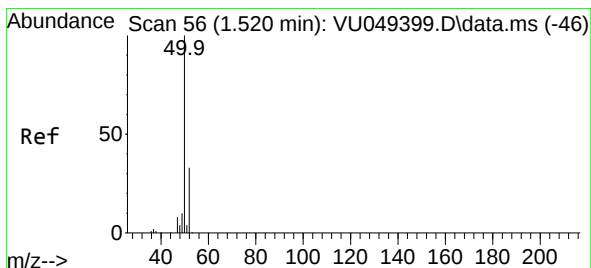
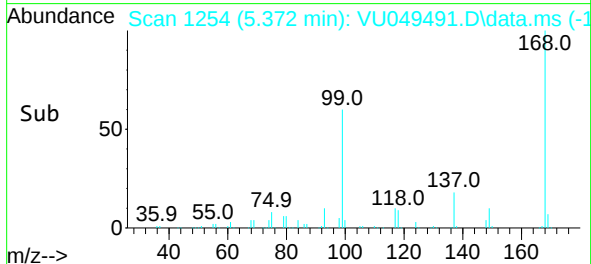
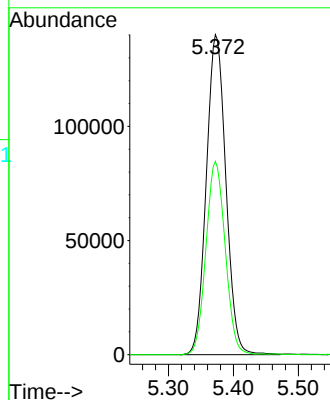
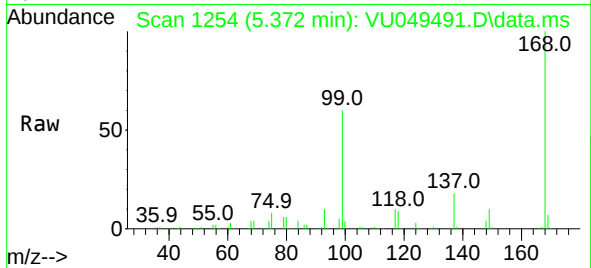




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

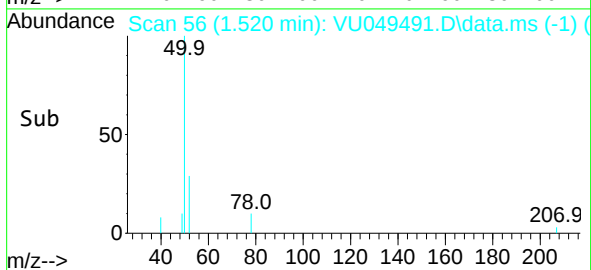
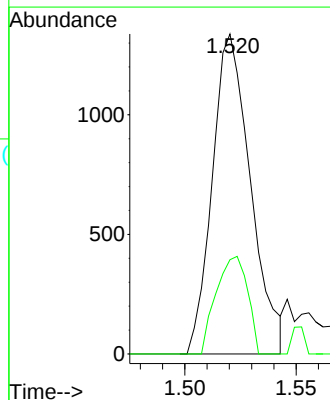
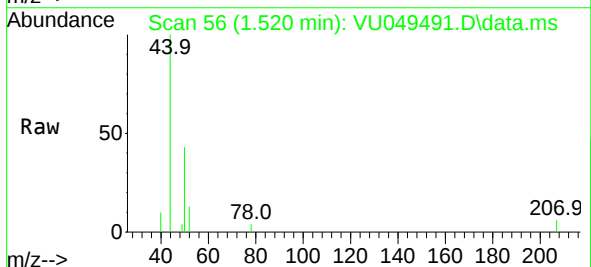
Instrument :
MSVOA_U
ClientSampleId :
MW179D-20220617

Tgt Ion:168 Resp: 293868
Ion Ratio Lower Upper
168 100
99 60.4 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

Tgt Ion: 50 Resp: 1596
Ion Ratio Lower Upper
50 100
52 29.4 27.4 41.2

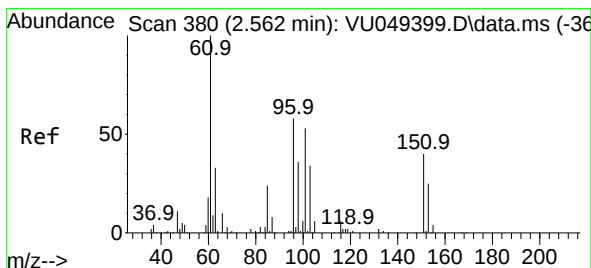
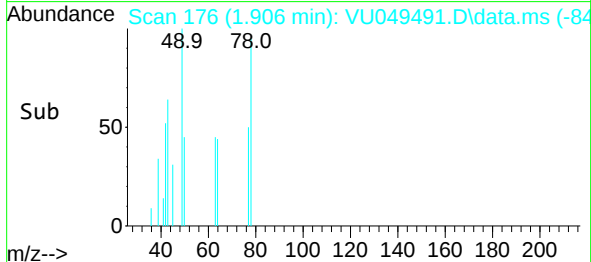
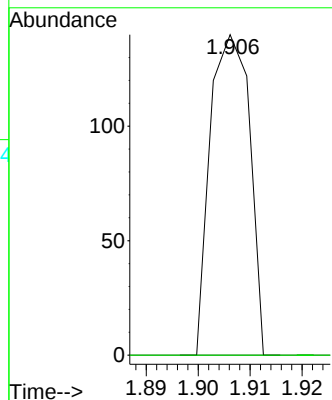
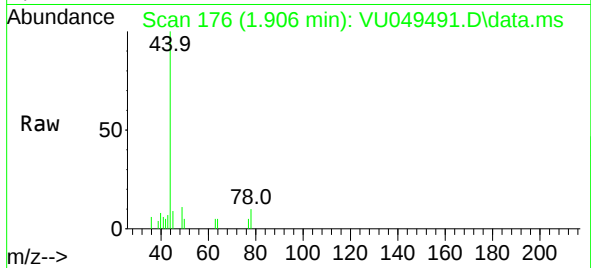




#6
Chloroethane
Concen: 1.948 ug/l
RT: 1.906 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

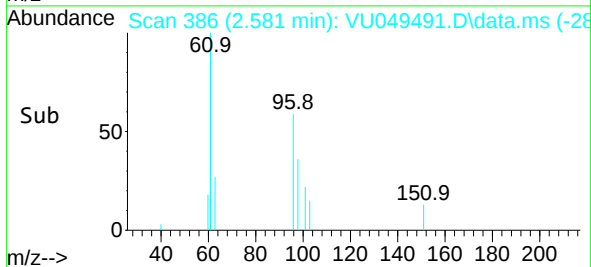
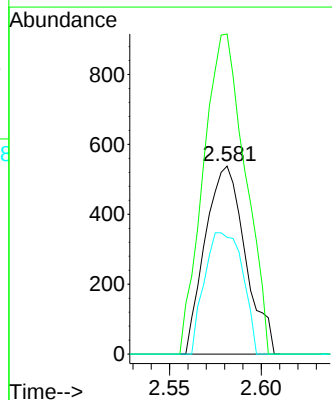
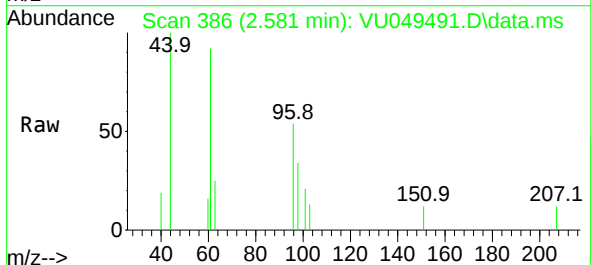
Instrument :
MSVOA_U
ClientSampleId :
MW179D-20220617

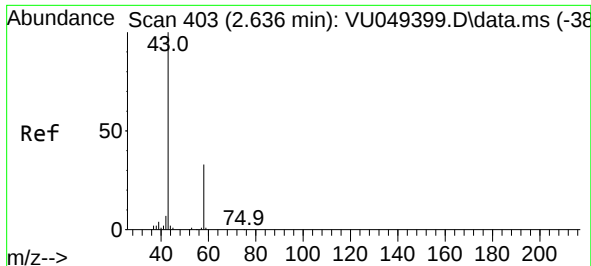
Tgt Ion: 64 Resp: 74
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#12
1,1-Dichloroethene
Concen: 0.256 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.020 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

Tgt Ion: 96 Resp: 818
Ion Ratio Lower Upper
96 100
61 170.3 122.2 183.2
98 62.1 50.7 76.1





#16

Acetone

Concen: 0.797 ug/l

RT: 2.642 min Scan# 403

Delta R.T. 0.007 min

Lab File: VU049491.D

Acq: 29 Jun 2022 04:32

Instrument :

MSVOA_U

ClientSampleId :

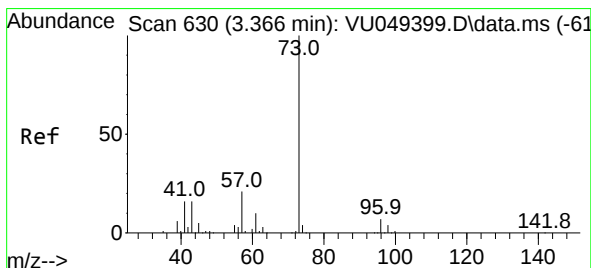
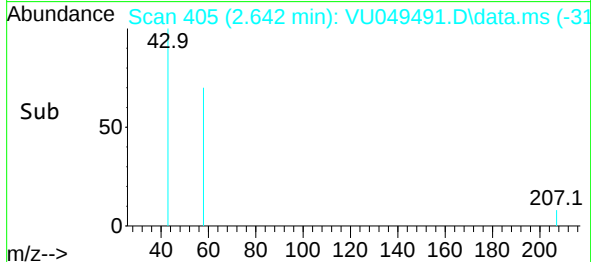
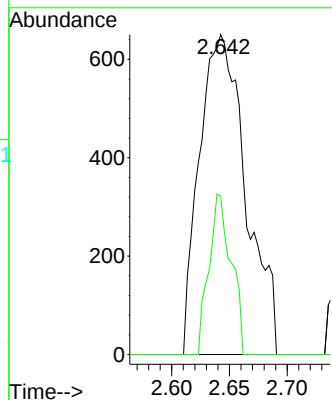
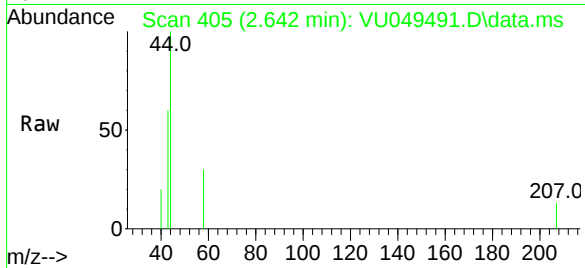
MW179D-20220617

Tgt Ion: 43 Resp: 1819

Ion Ratio Lower Upper

43 100

58 49.5 27.5 41.3#



#19

Methyl tert-butyl Ether

Concen: 0.672 ug/l

RT: 3.363 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU049491.D

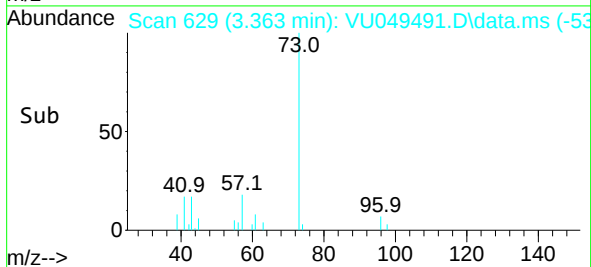
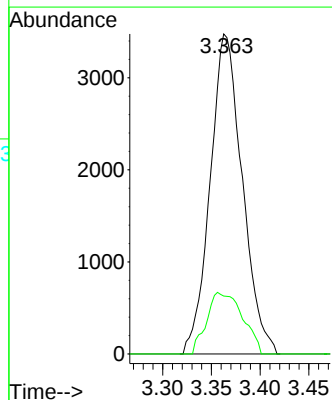
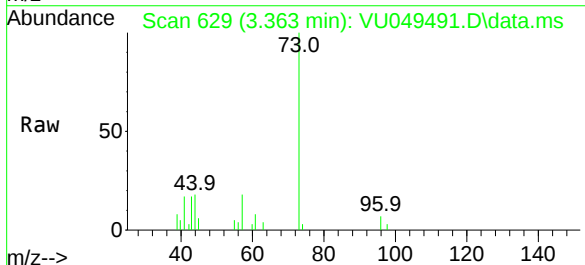
Acq: 29 Jun 2022 04:32

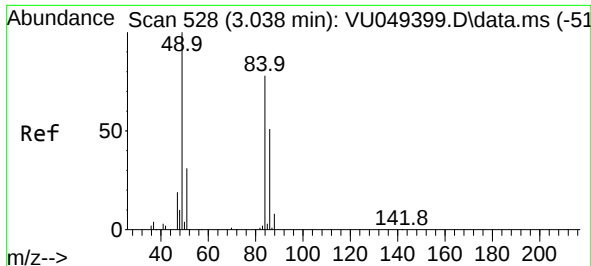
Tgt Ion: 73 Resp: 7972

Ion Ratio Lower Upper

73 100

57 18.1 17.1 25.7





#20

Methylene Chloride

Concen: Below Cal

RT: 3.051 min Scan# 51

Delta R.T. 0.013 min

Lab File: VU049491.D

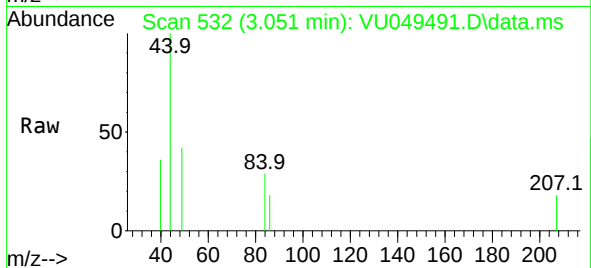
Acq: 29 Jun 2022 04:32

Instrument :

MSVOA_U

ClientSampleId :

MW179D-20220617



Tgt Ion: 84 Resp: 206

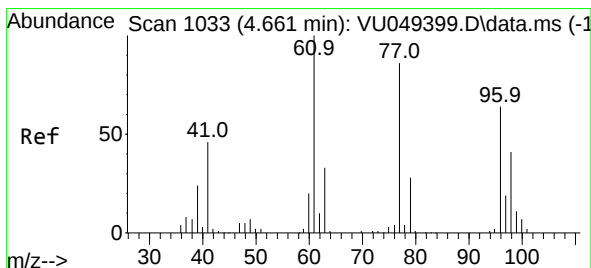
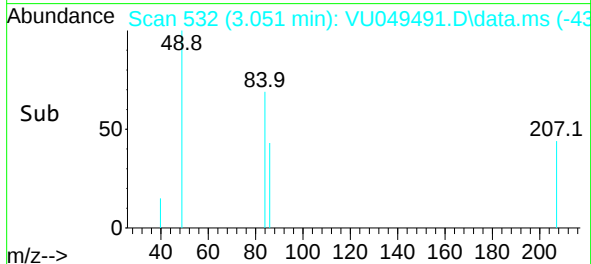
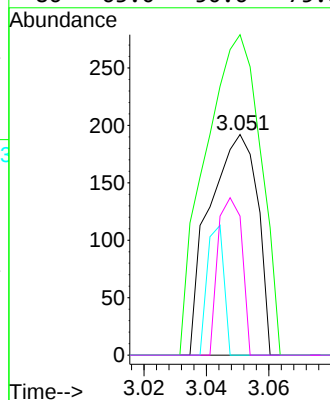
Ion Ratio Lower Upper

84 100

49 145.3 86.6 129.8#

51 0.0 26.6 40.0#

86 63.0 50.6 75.8



#27

cis-1,2-Dichloroethene

Concen: 19.427 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.007 min

Lab File: VU049491.D

Acq: 29 Jun 2022 04:32

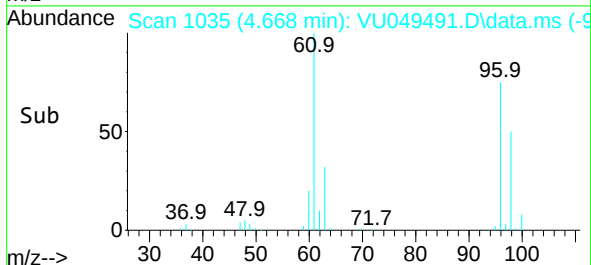
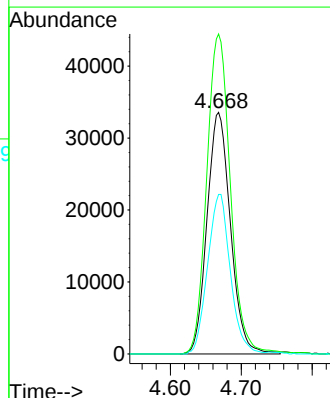
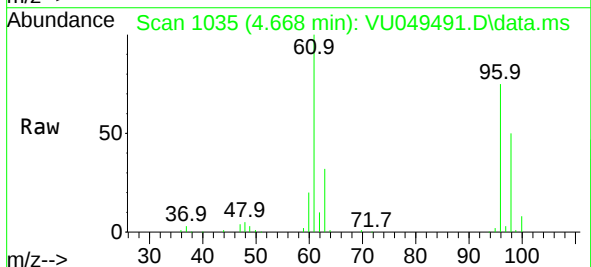
Tgt Ion: 96 Resp: 77229

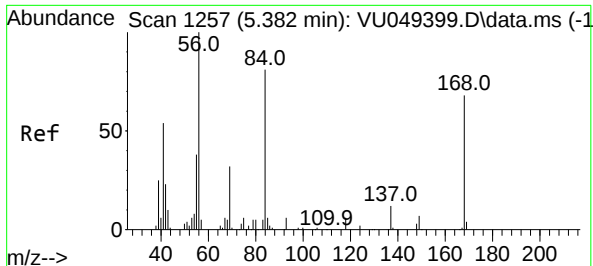
Ion Ratio Lower Upper

96 100

61 133.4 0.0 271.6

98 63.9 0.0 128.2

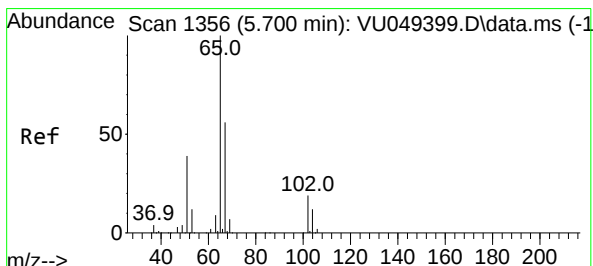
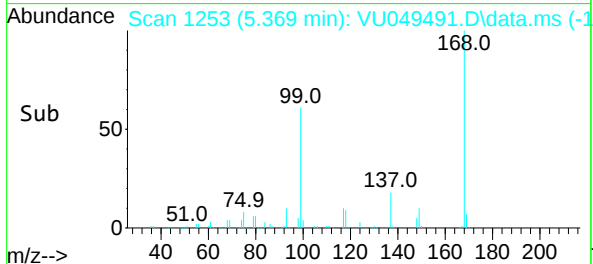
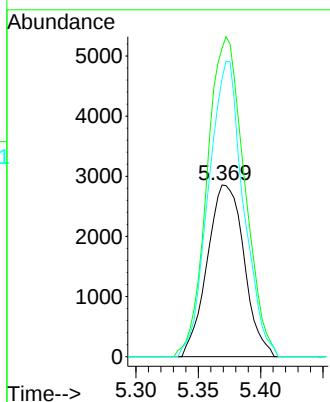
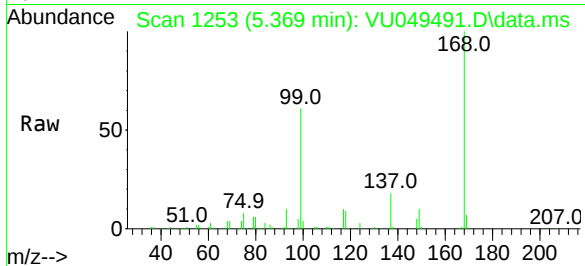




#31
Cyclohexane
Concen: 0.864 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

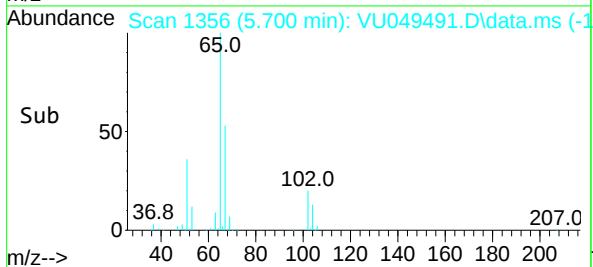
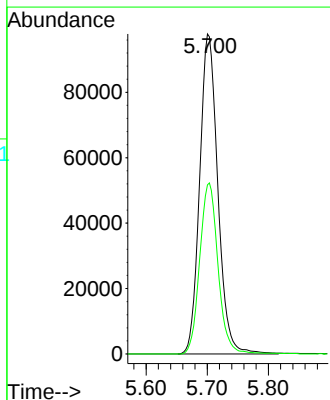
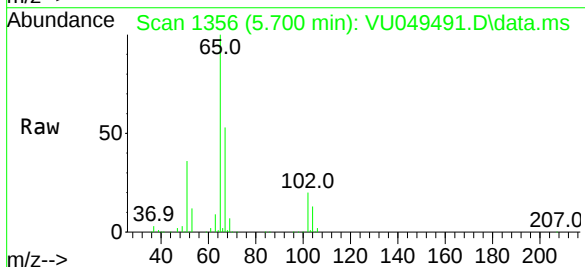
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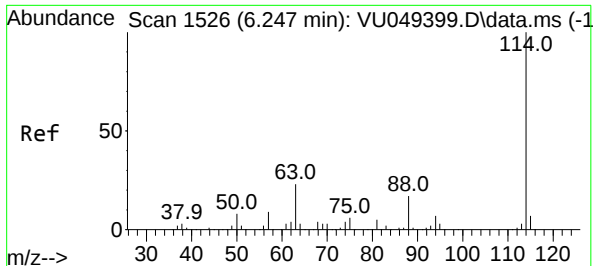
Tgt Ion: 56 Resp: 5872
Ion Ratio Lower Upper
56 100
69 179.8 27.8 41.8#
84 162.1 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 44.651 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

Tgt Ion: 65 Resp: 202080
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 114

Delta R.T. 0.003 min

Lab File: VU049491.D

Acq: 29 Jun 2022 04:32

Instrument :

MSVOA_U

ClientSampleId :

MW179D-20220617

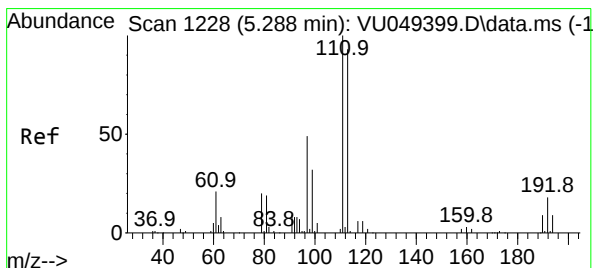
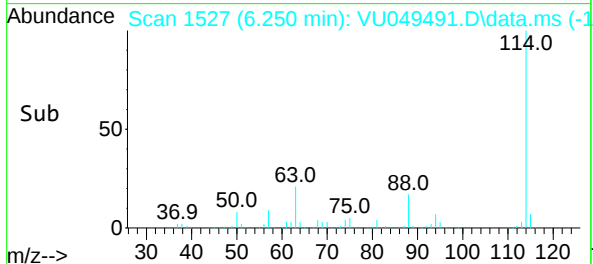
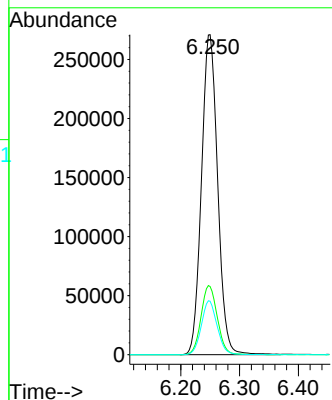
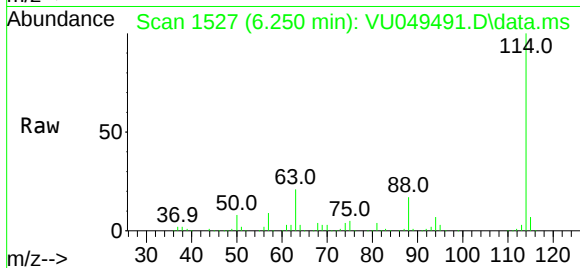
Tgt Ion:114 Resp: 517577

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

88 16.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.609 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049491.D

Acq: 29 Jun 2022 04:32

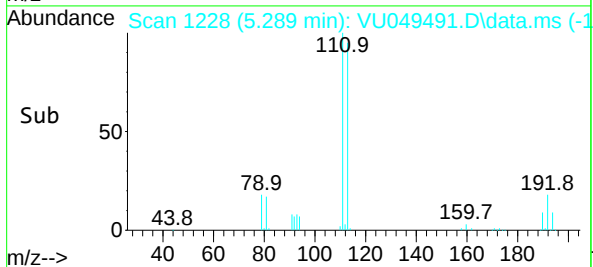
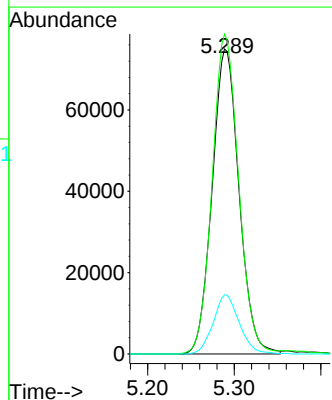
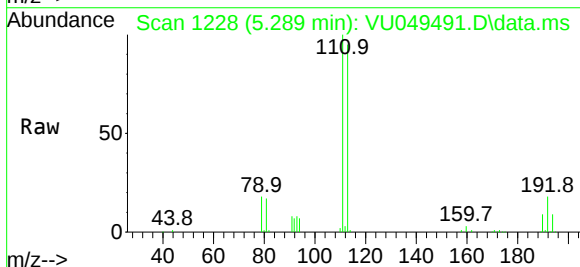
Tgt Ion:113 Resp: 161535

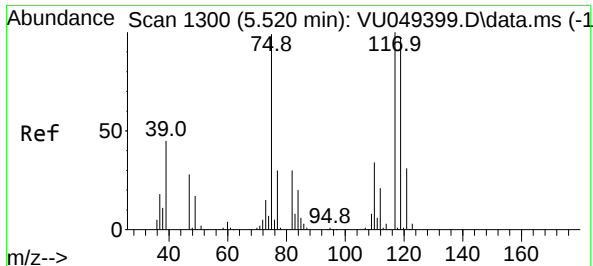
Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

192 18.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.533 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049491.D

Acq: 29 Jun 2022 04:32

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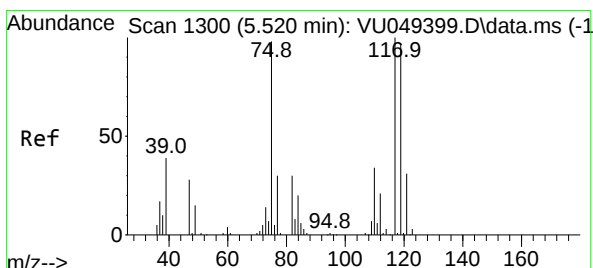
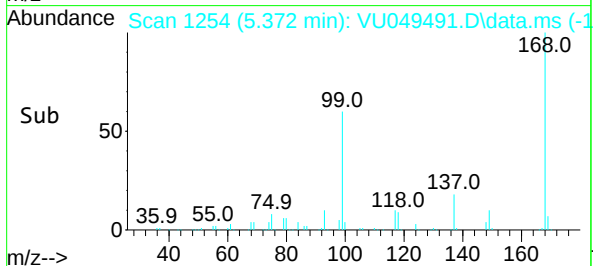
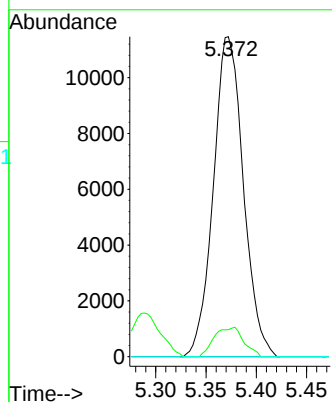
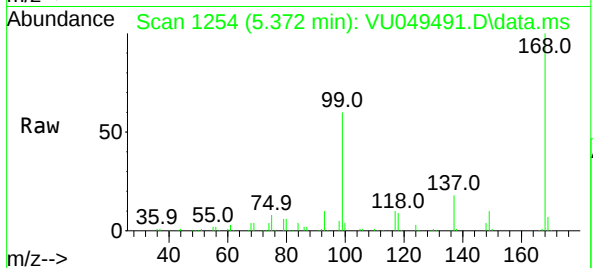
Tgt Ion: 75 Resp: 23800

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.397 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049491.D

Acq: 29 Jun 2022 04:32

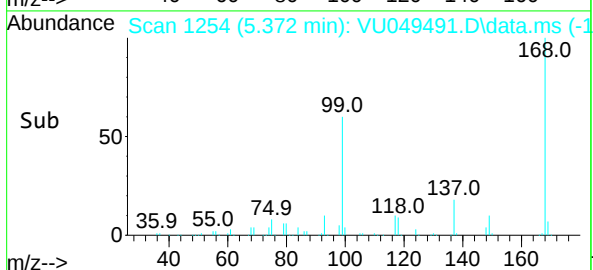
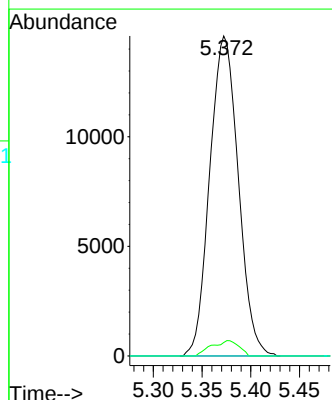
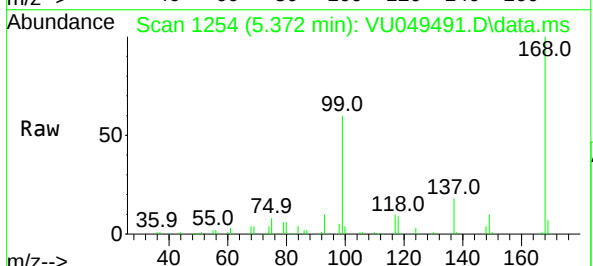
Tgt Ion: 117 Resp: 29719

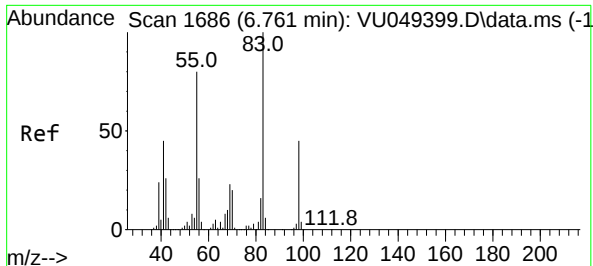
Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.678 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.222 min

Lab File: VU049491.D

Acq: 29 Jun 2022 04:32

Instrument :

MSVOA_U

ClientSampleId :

MW179D-20220617

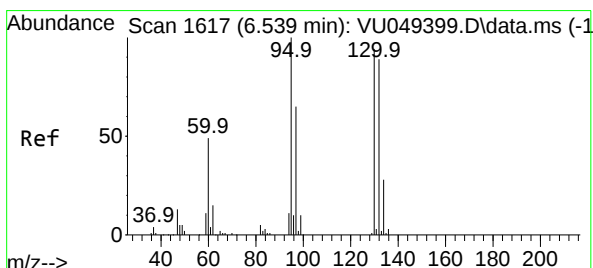
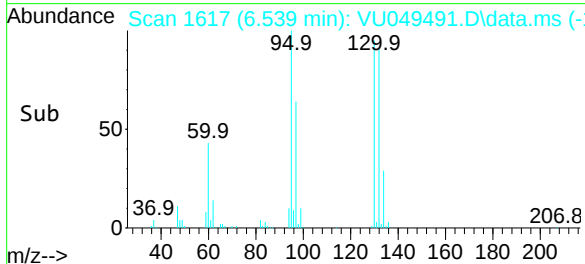
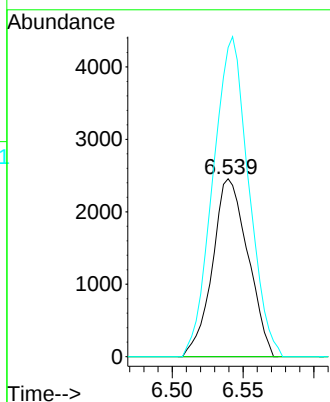
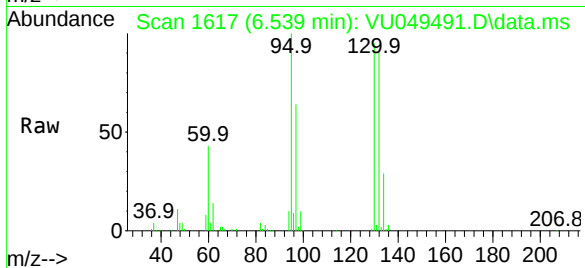
Tgt Ion: 83 Resp: 4266

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 173.8 37.3 55.9#



#44

Trichloroethene

Concen: 83.433 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049491.D

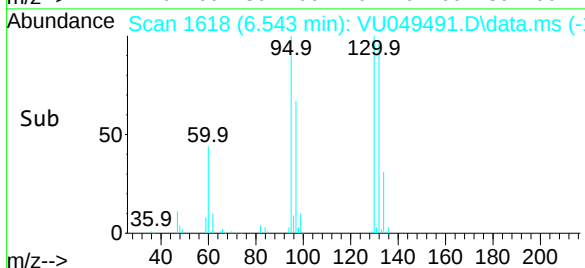
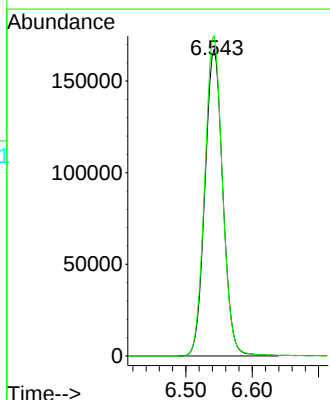
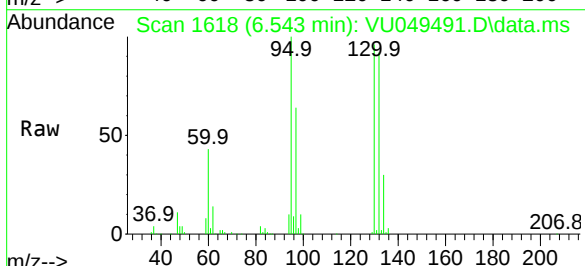
Acq: 29 Jun 2022 04:32

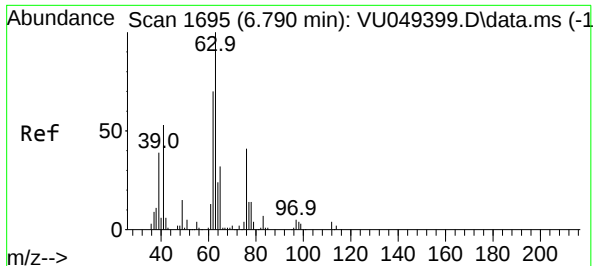
Tgt Ion:130 Resp: 314408

Ion Ratio Lower Upper

130 100

95 104.4 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.230 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.251 min

Lab File: VU049491.D

Acq: 29 Jun 2022 04:32

Instrument :

MSVOA_U

ClientSampleId :

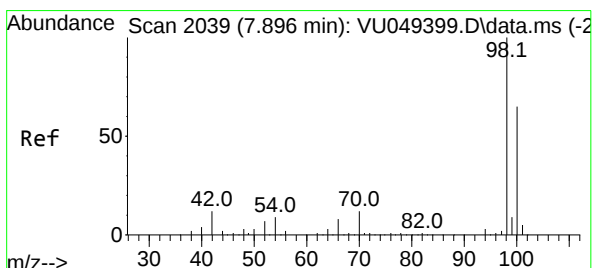
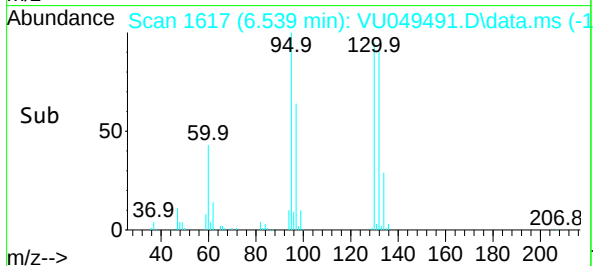
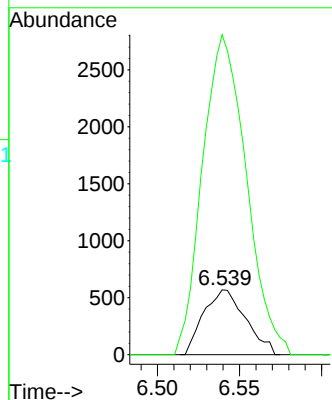
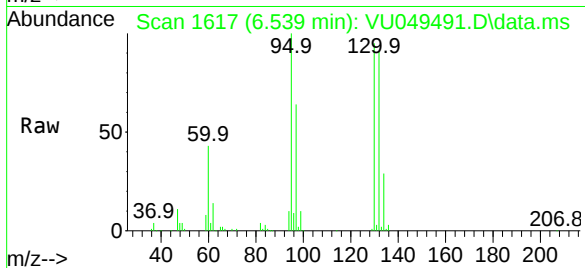
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Tgt Ion: 63 Resp: 1012

Ion Ratio Lower Upper

63 100

65 467.5 25.0 37.4#



#50

Toluene-d8

Concen: 47.823 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049491.D

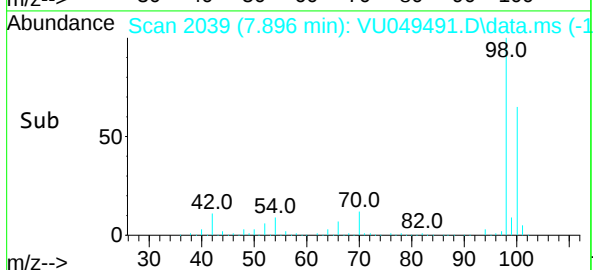
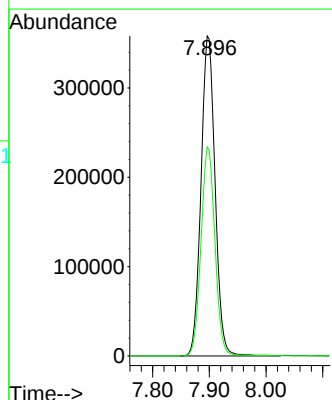
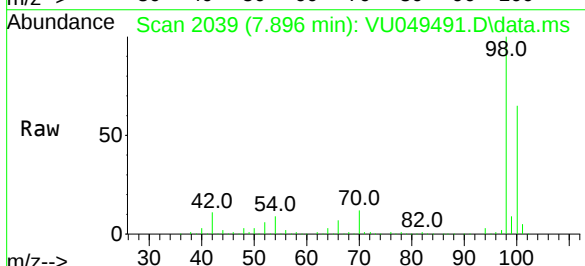
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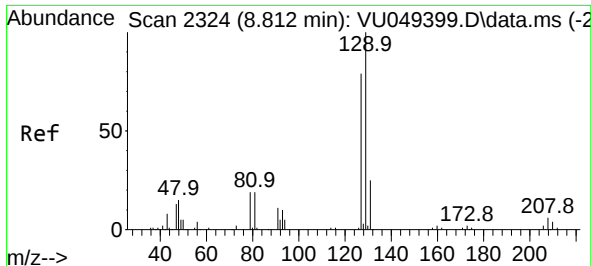
Tgt Ion: 98 Resp: 617664

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5

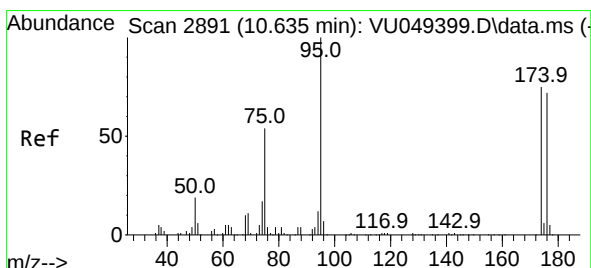
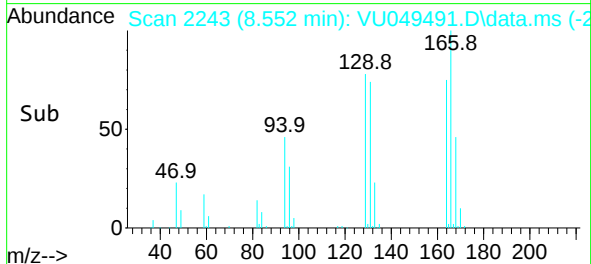
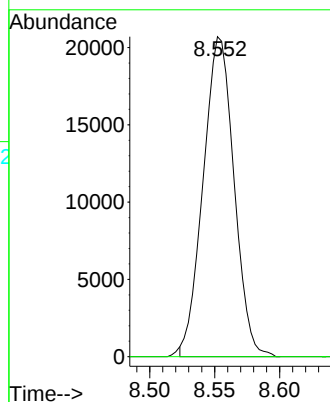
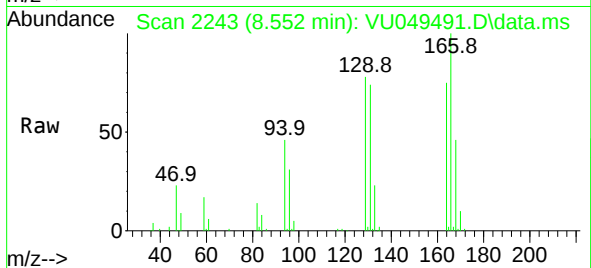




#60
Dibromochloromethane
Concen: 8.434 ug/l
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

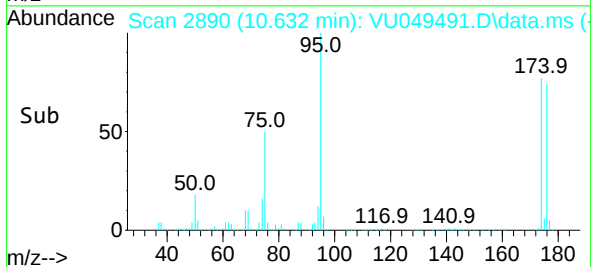
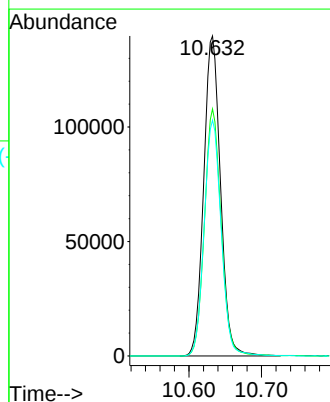
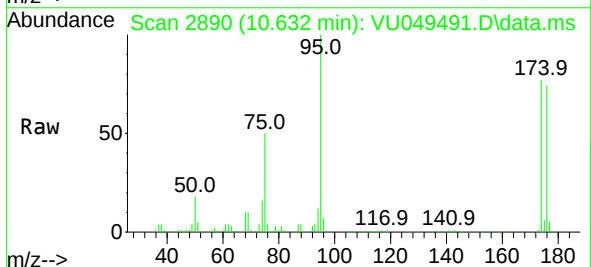
Instrument :
MSVOA_U
ClientSampleId :
MW179D-20220617

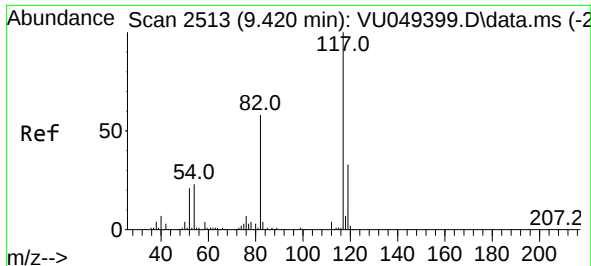
Tgt Ion:129 Resp: 34165
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 45.430 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

Tgt Ion: 95 Resp: 224766
Ion Ratio Lower Upper
95 100
174 76.8 0.0 182.0
176 74.5 0.0 177.8

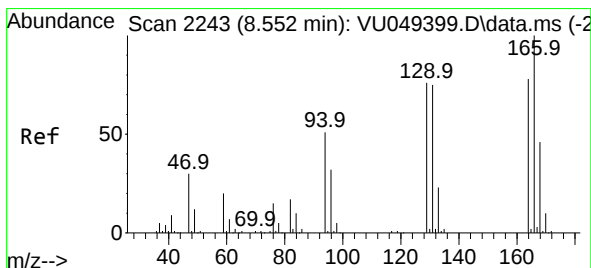
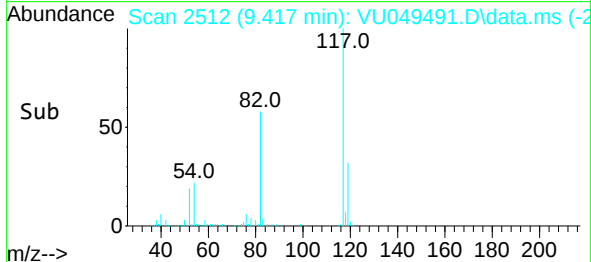
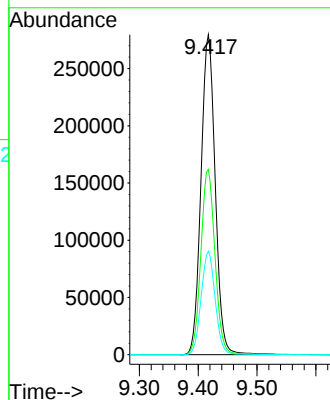
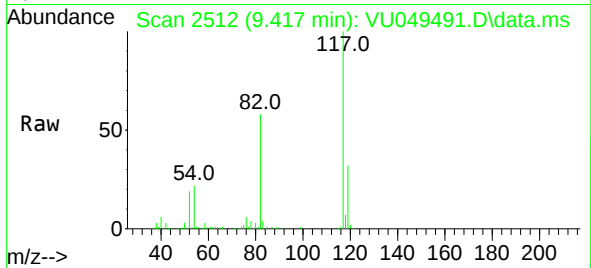




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

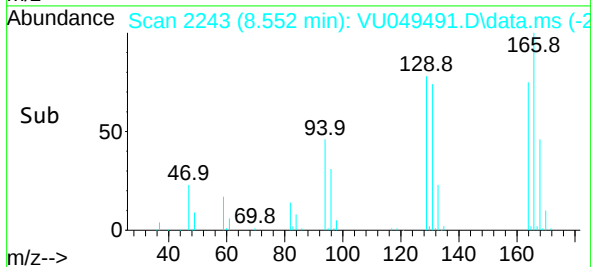
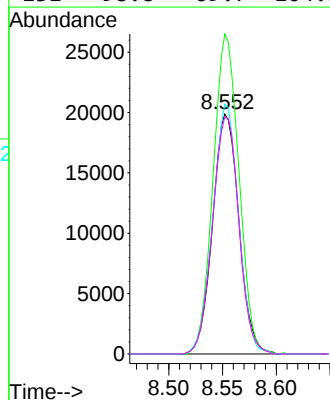
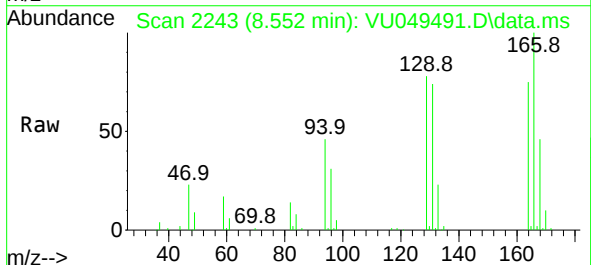
Instrument :
MSVOA_U
ClientSampleId :
MW179D-20220617

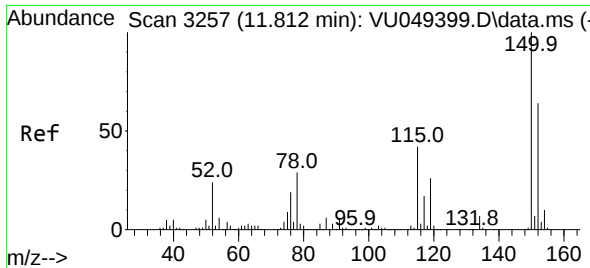
Tgt Ion:117 Resp: 470335
Ion Ratio Lower Upper
117 100
82 57.9 41.7 62.5
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 11.221 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

Tgt Ion:164 Resp: 33850
Ion Ratio Lower Upper
164 100
166 133.4 100.0 150.0
129 104.1 72.0 108.0
131 98.8 69.7 104.5

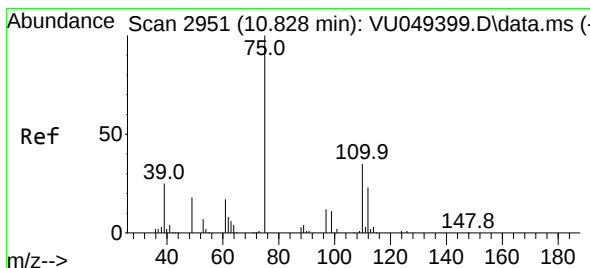
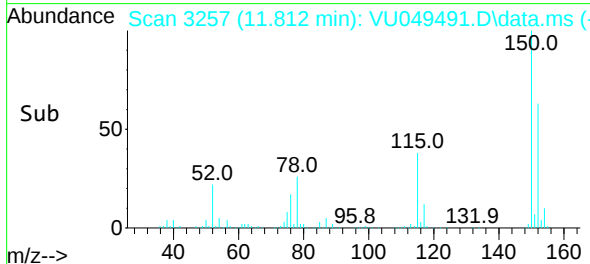
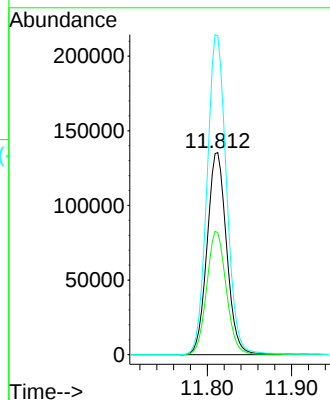
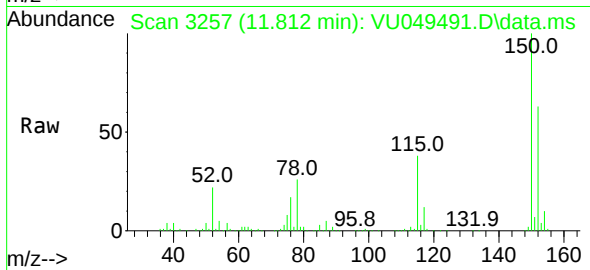




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049491.D
 Acq: 29 Jun 2022 04:32

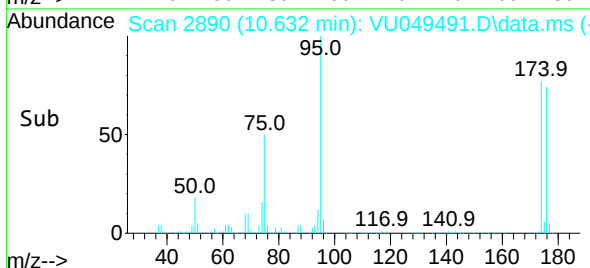
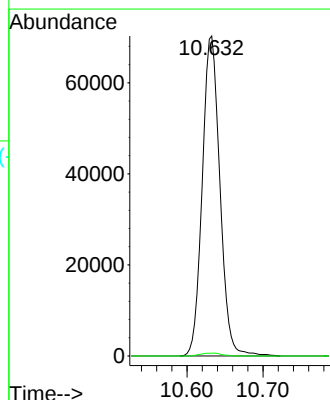
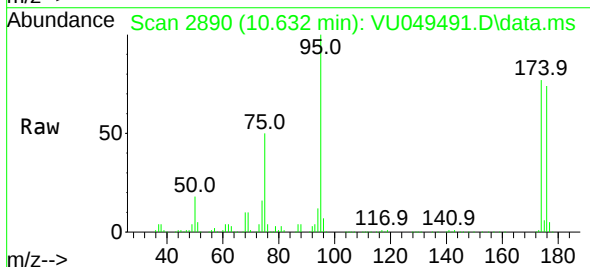
Instrument :
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 ClientSampleId :
 MW179D-20220617

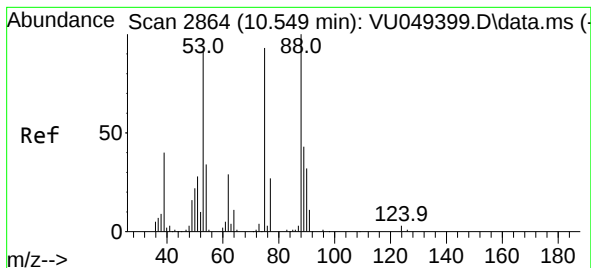
Tgt Ion:152 Resp: 218444
 Ion Ratio Lower Upper
 152 100
 115 61.0 37.0 110.9
 150 157.9 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.310 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049491.D
 Acq: 29 Jun 2022 04:32

Tgt Ion: 75 Resp: 113374
 Ion Ratio Lower Upper
 75 100
 77 1.0 15.8 47.3#

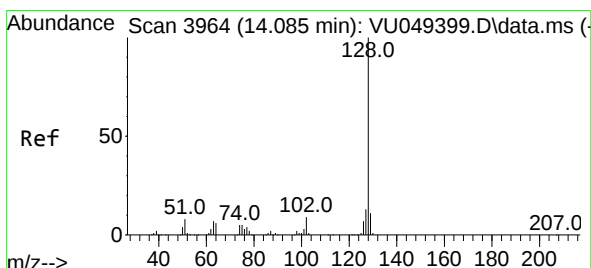
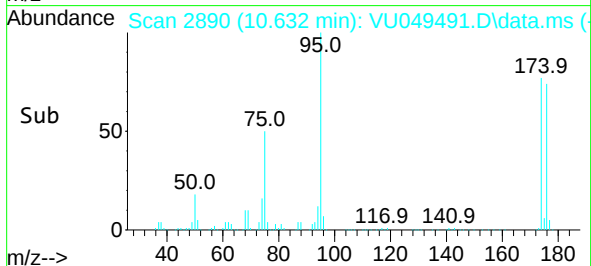
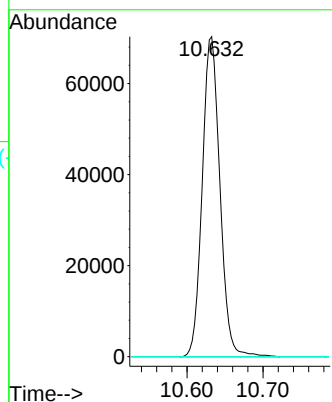
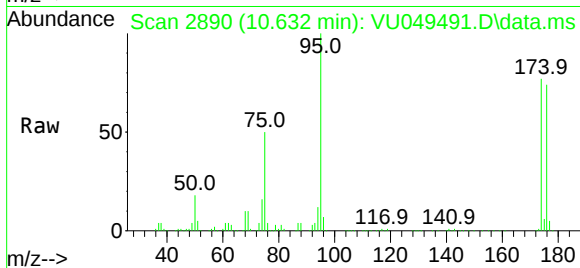




#81
trans-1,4-Dichloro-2-butene
Concen: 56.539 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

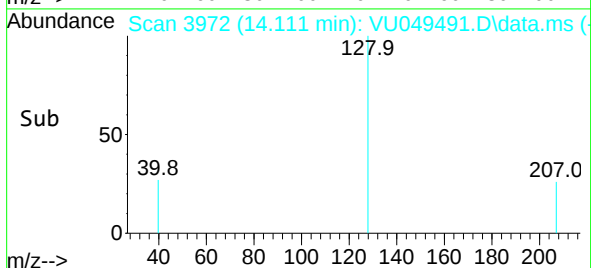
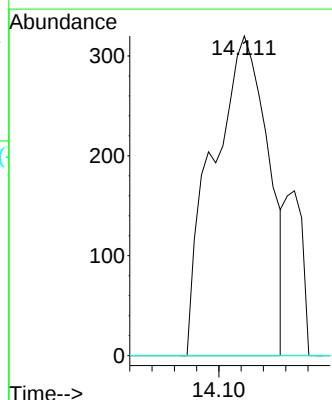
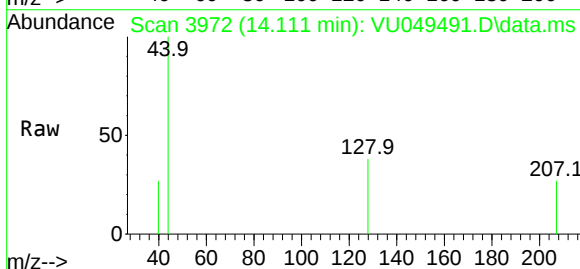
Instrument :
MSVOA_U
ClientSampleId :
MW179D-20220617

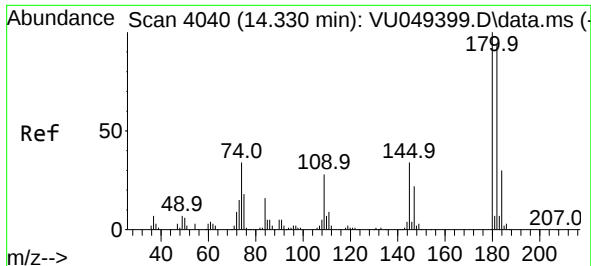
Tgt Ion: 75 Resp: 113374
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.767 ug/l
RT: 14.111 min Scan# 3972
Delta R.T. 0.026 min
Lab File: VU049491.D
Acq: 29 Jun 2022 04:32

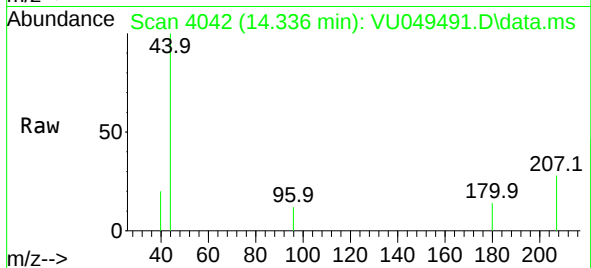
Tgt Ion: 128 Resp: 554
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.186 ug/l
 RT: 14.336 min Scan# 40
 Delta R.T. 0.007 min
 Lab File: VU049491.D
 Acq: 29 Jun 2022 04:32

Instrument :
 MSVOA_U
 ClientSampleId :
 MW179D-20220617



Tgt Ion:180 Resp: 44
 Ion Ratio Lower Upper
 180 100
 182 45.5 48.4 145.0#
 145 0.0 14.8 44.4#

