

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049490.D
 Acq On : 29 Jun 2022 04:09
 Operator : SY/MD
 Sample : N3457-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW179D2-20220617

Quant Time: Jun 29 05:26:07 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)

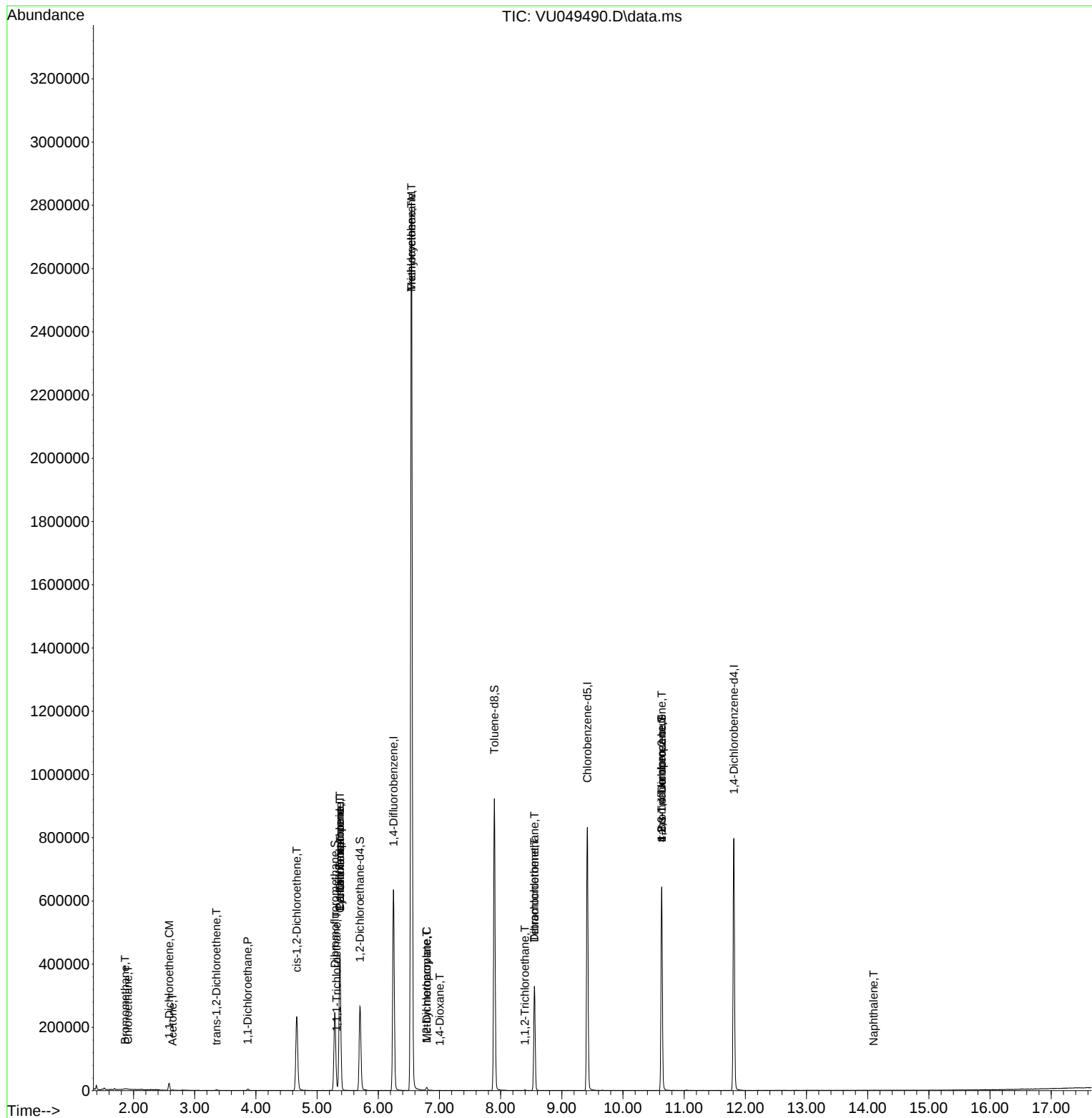
Internal Standards						
1) Pentafluorobenzene	5.372	168	299248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	518447	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	465998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	214386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	200487	43.503	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.000%
35) Dibromofluoromethane	5.289	113	162803	44.884	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.760%
50) Toluene-d8	7.896	98	617354	47.719	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.440%
62) 4-Bromofluorobenzene	10.633	95	220983	44.591	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.180%
Target Compounds						
3) Chloromethane	1.520	50	4199	Below Cal		97
5) Bromomethane	1.861	94	409	0.272 ug/l		99
6) Chloroethane	1.909	64	74	1.947 ug/l #		44
12) 1,1-Dichloroethene	2.581	96	7750	2.384 ug/l		91
16) Acetone	2.639	43	1492	0.642 ug/l		92
20) Methylene Chloride	3.057	84	85	Below Cal #		64
21) trans-1,2-Dichloroethene	3.356	96	1098	0.313 ug/l		94
24) 1,1-Dichloroethane	3.864	63	5351	0.743 ug/l		96
27) cis-1,2-Dichloroethene	4.668	96	124562	30.770 ug/l		97
31) Cyclohexane	5.375	56	6063	0.876 ug/l #		1
32) 1,1,1-Trichloroethane	5.318	97	3376	0.546 ug/l #		39
36) 1,1-Dichloropropene	5.372	75	23385	4.446 ug/l #		49
38) Carbon Tetrachloride	5.372	117	31378	5.689 ug/l #		15
39) Methylcyclohexane	6.539	83	11844	1.879 ug/l #		1
44) Trichloroethene	6.543	130	939639	248.928 ug/l		87
45) 1,2-Dichloropropane	6.793	63	3718	0.845 ug/l		98
48) Methyl methacrylate	6.793	41	1897	0.384 ug/l #		36
49) 1,4-Dioxane	7.006	88	394	3.116 ug/l #		59
55) 1,1,2-Trichloroethane	8.398	97	789	0.202 ug/l #		86
60) Dibromochloromethane	8.552	129	71952	17.732 ug/l #		11
64) Tetrachloroethene	8.552	164	72080	24.116 ug/l		94
76) 1,2,3-Trichloropropane	10.633	75	112764	15.516 ug/l #		45
81) trans-1,4-Dichloro-2-b...	10.633	75	112764	57.300 ug/l #		15
95) Naphthalene	14.099	128	182	1.746 ug/l #		69

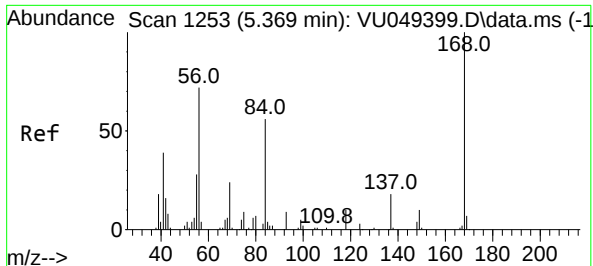
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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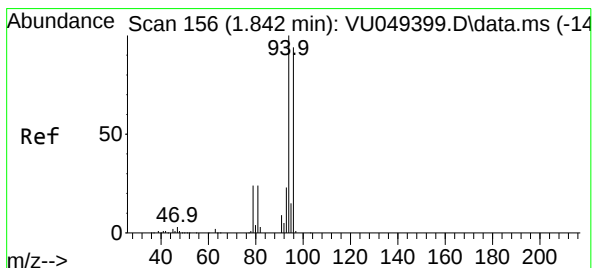
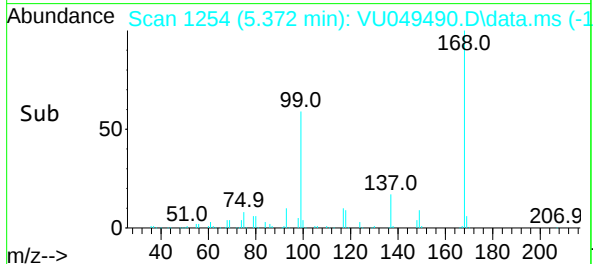
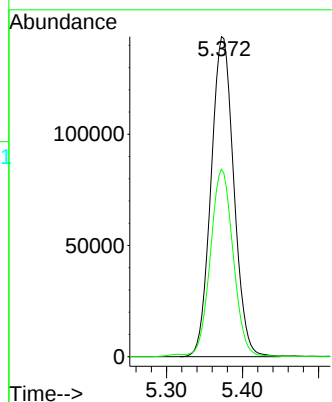
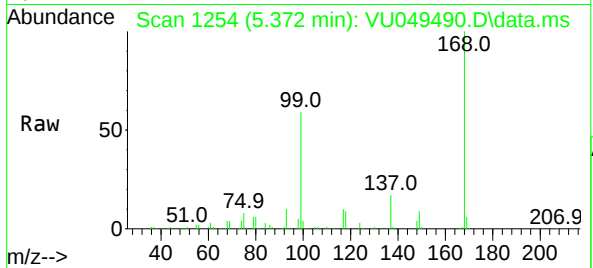




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

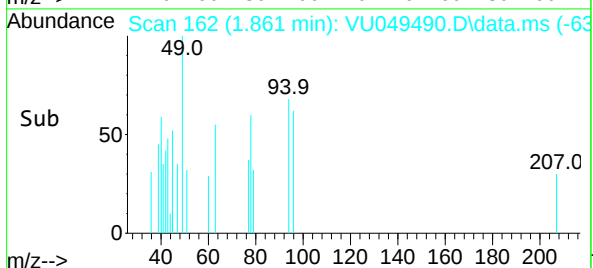
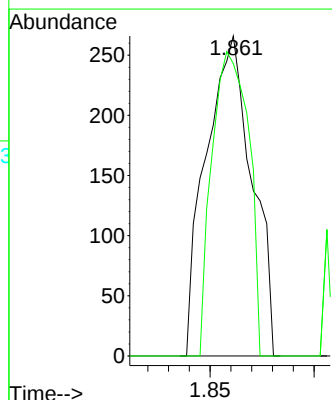
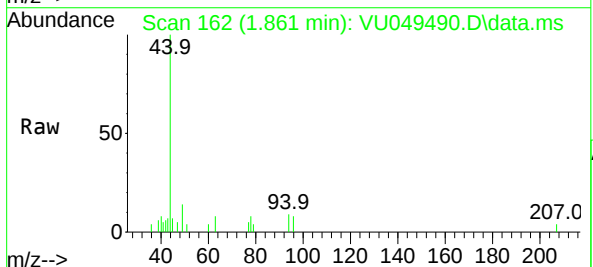
Instrument :
MSVOA_U
ClientSampleId :
MW179D2-20220617

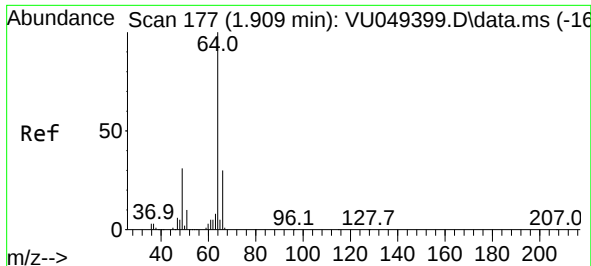
Tgt Ion:168 Resp: 299248
Ion Ratio Lower Upper
168 100
99 58.5 39.3 58.9



#5
Bromomethane
Concen: 0.272 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.020 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Tgt Ion: 94 Resp: 409
Ion Ratio Lower Upper
94 100
96 91.4 73.7 110.5

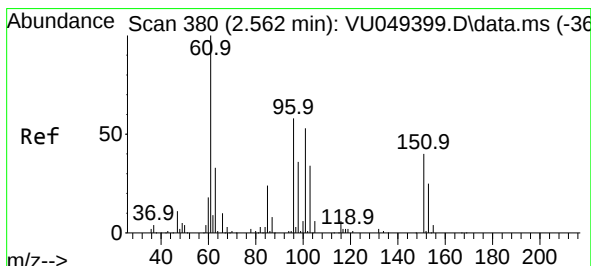
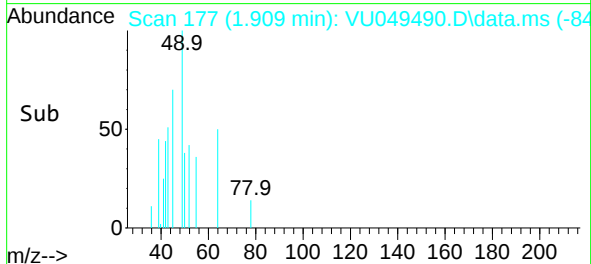
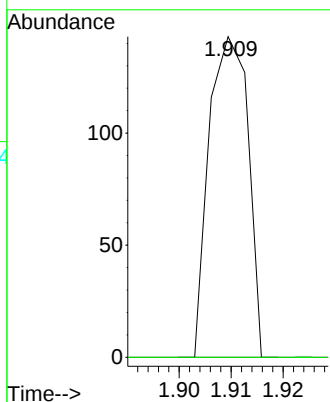
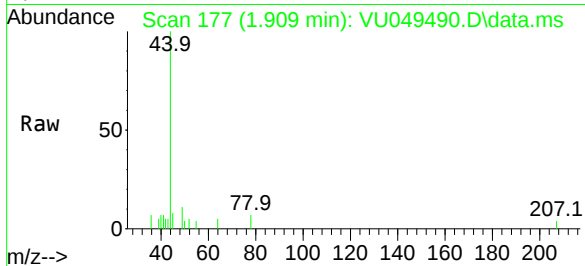




#6
Chloroethane
Concen: 1.947 ug/l
RT: 1.909 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

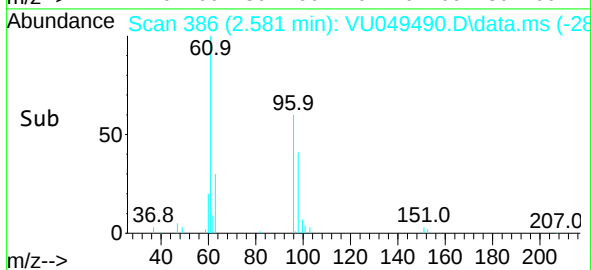
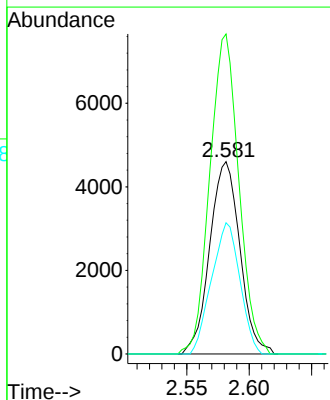
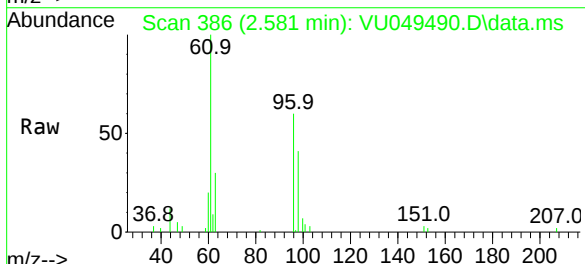
Instrument :
MSVOA_U
ClientSampleId :
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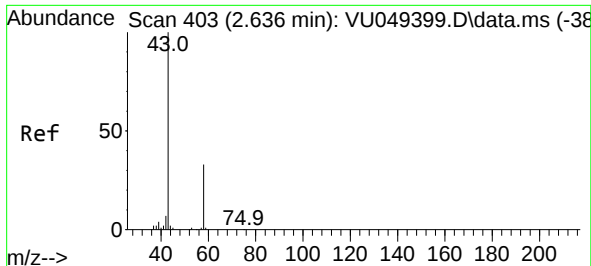
Tgt Ion: 64 Resp: 74
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#12
1,1-Dichloroethene
Concen: 2.384 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.020 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Tgt Ion: 96 Resp: 7750
Ion Ratio Lower Upper
96 100
61 166.4 122.2 183.2
98 68.2 50.7 76.1

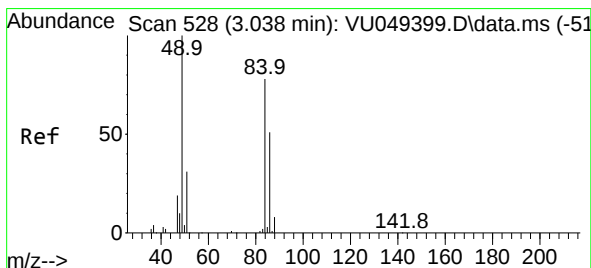
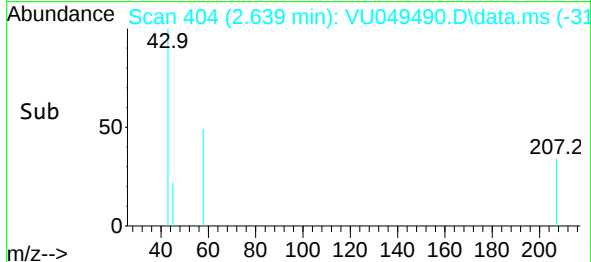
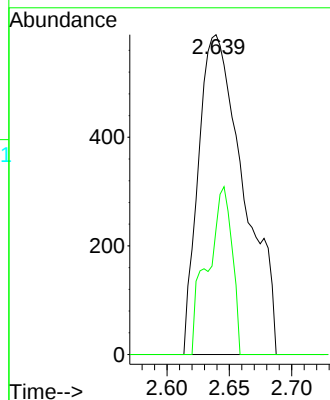
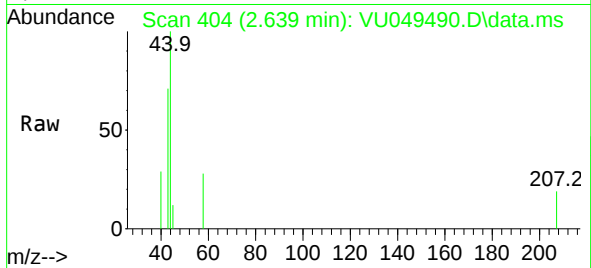




#16
Acetone
Concen: 0.642 ug/l
RT: 2.639 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

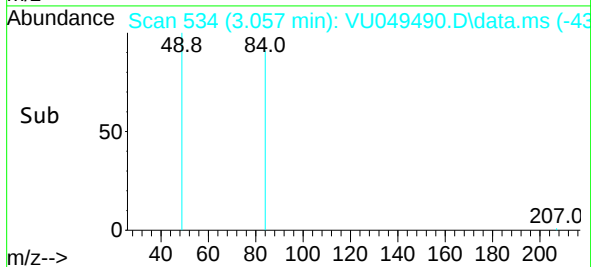
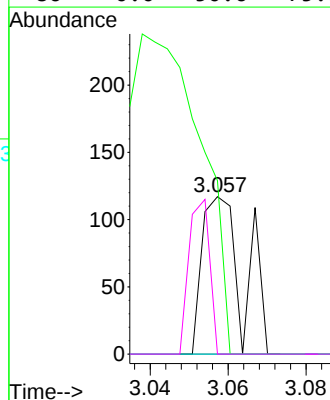
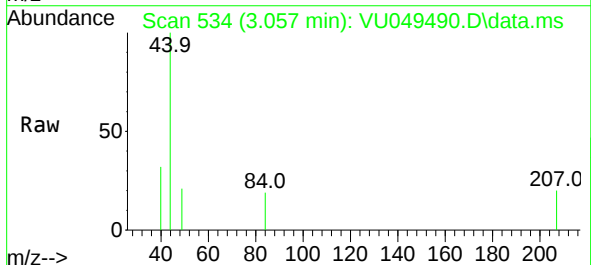
Instrument :
MSVOA_U
ClientSampleId :
MW179D2-20220617

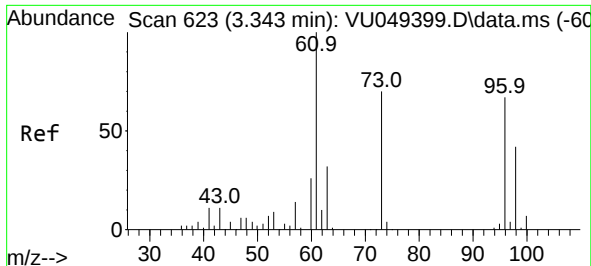
Tgt Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
58 39.2 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.057 min Scan# 534
Delta R.T. 0.020 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

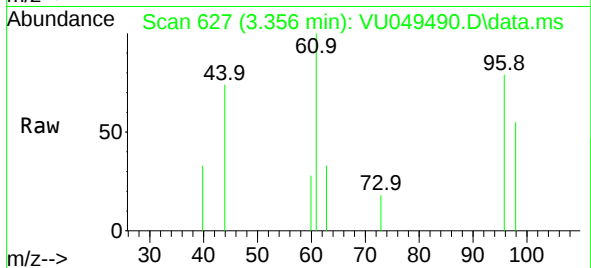
Tgt Ion: 84 Resp: 85
Ion Ratio Lower Upper
84 100
49 110.3 86.6 129.8
51 0.0 26.6 40.0#
86 0.0 50.6 75.8#





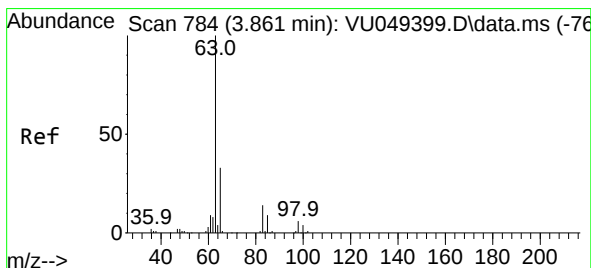
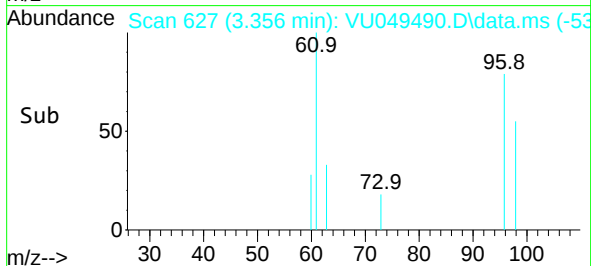
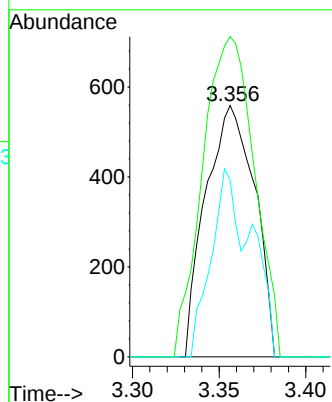
#21
trans-1,2-Dichloroethene
Concen: 0.313 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.013 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Instrument :
MSVOA_U
ClientSampleId :
MW179D2-20220617



Tgt Ion: 96 Resp: 1098

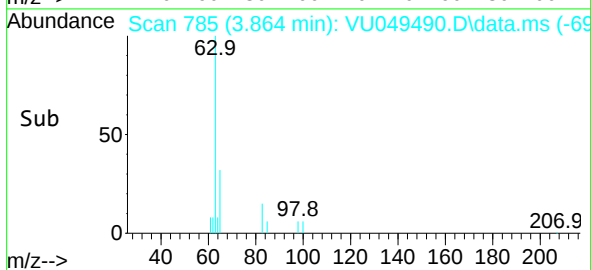
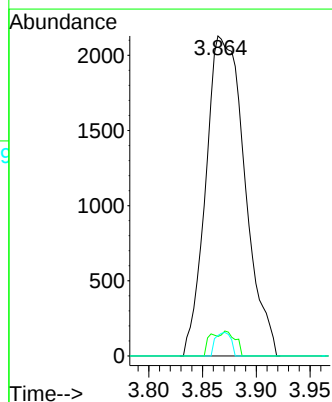
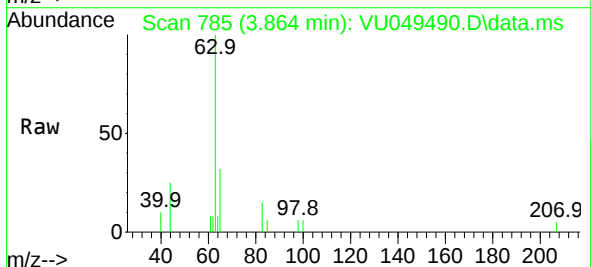
Ion	Ratio	Lower	Upper
96	100		
61	127.4	106.1	159.1
98	70.3	50.8	76.2

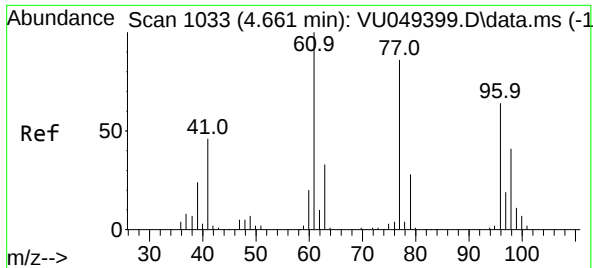


#24
1,1-Dichloroethane
Concen: 0.743 ug/l
RT: 3.864 min Scan# 785
Delta R.T. 0.004 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Tgt Ion: 63 Resp: 5351

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.6	10.9
100	6.4	2.4	7.2

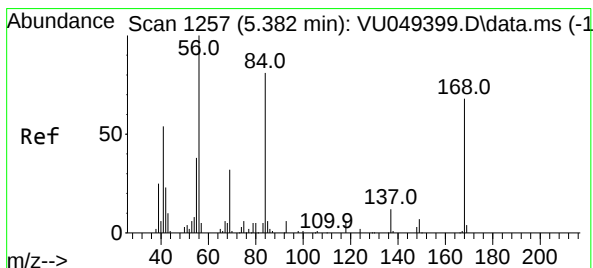
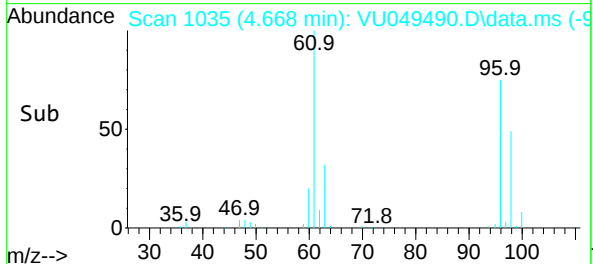
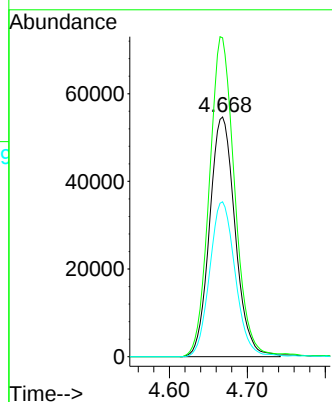
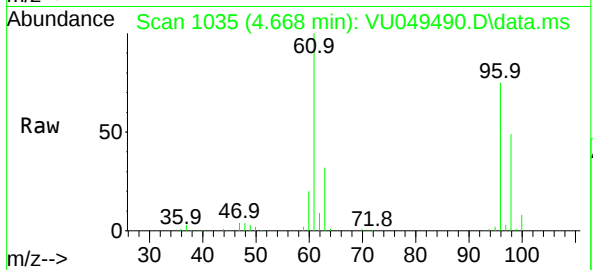




#27
 cis-1,2-Dichloroethene
 Concen: 30.770 ug/l
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.007 min
 Lab File: VU049490.D
 Acq: 29 Jun 2022 04:09

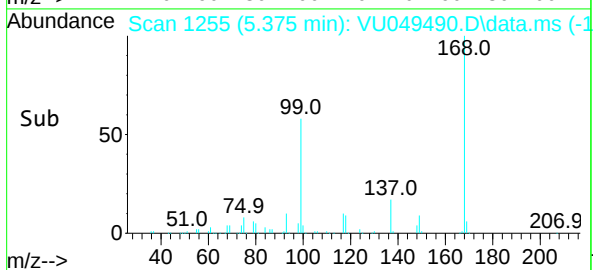
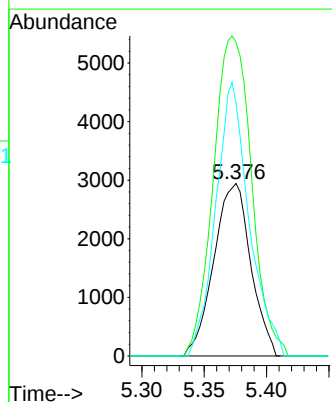
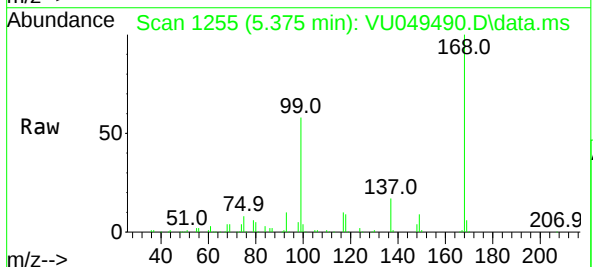
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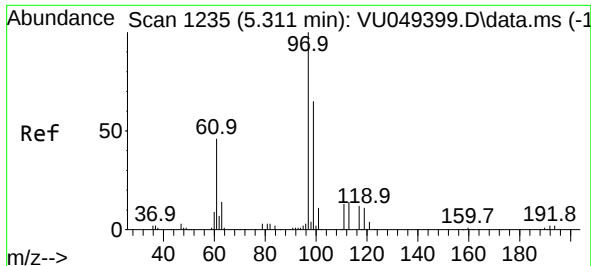
Tgt Ion: 96 Resp: 124562
 Ion Ratio Lower Upper
 96 100
 61 131.8 0.0 271.6
 98 64.7 0.0 128.2



#31
 Cyclohexane
 Concen: 0.876 ug/l
 RT: 5.375 min Scan# 1255
 Delta R.T. -0.006 min
 Lab File: VU049490.D
 Acq: 29 Jun 2022 04:09

Tgt Ion: 56 Resp: 6063
 Ion Ratio Lower Upper
 56 100
 69 181.9 27.8 41.8#
 84 146.3 74.2 111.4#

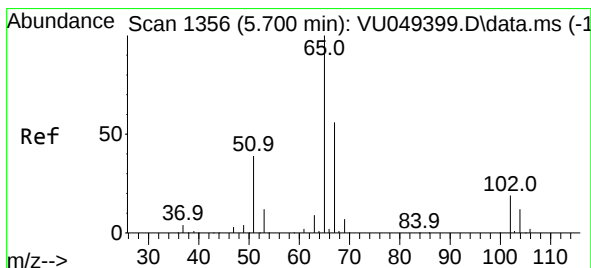
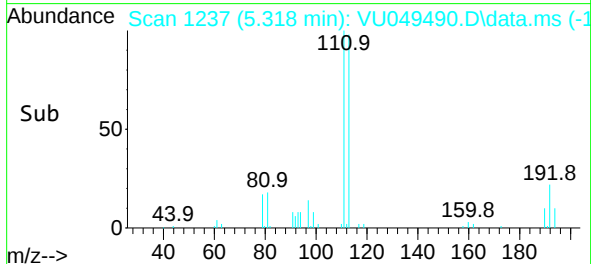
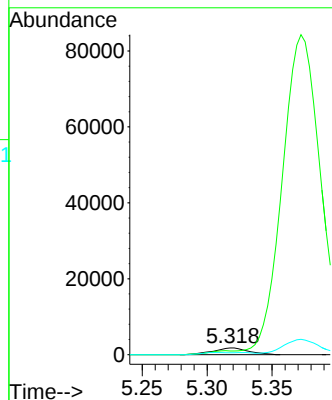
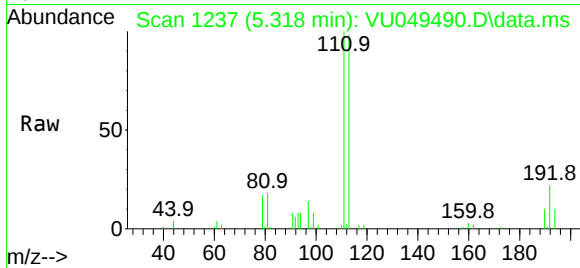




#32
1,1,1-Trichloroethane
Concen: 0.546 ug/l
RT: 5.318 min Scan# 1235
Delta R.T. 0.007 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

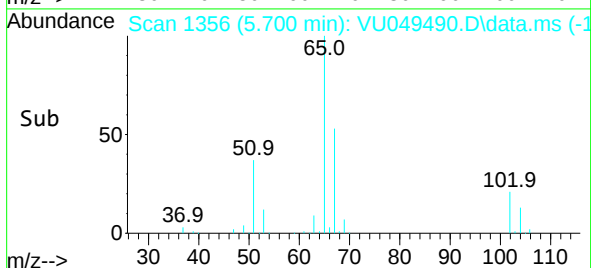
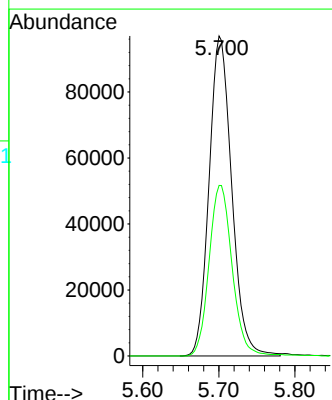
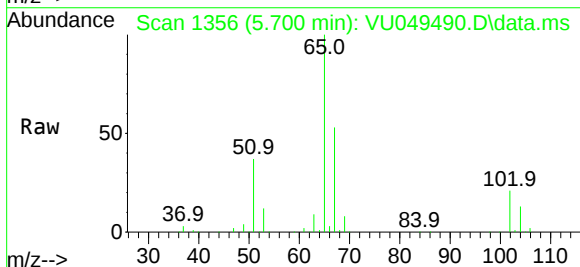
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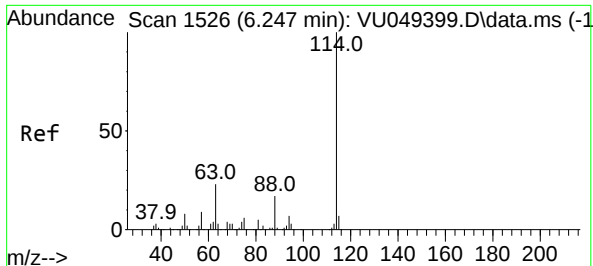
Tgt Ion: 97 Resp: 3376
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 24.4 35.1 52.7#



#33
1,2-Dichloroethane-d4
Concen: 43.503 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Tgt Ion: 65 Resp: 200487
Ion Ratio Lower Upper
65 100
67 54.1 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.004 min

Lab File: VU049490.D

Acq: 29 Jun 2022 04:09

Instrument :

MSVOA_U

ClientSampleId :

MW179D2-20220617

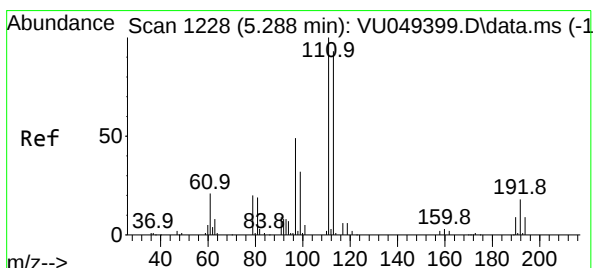
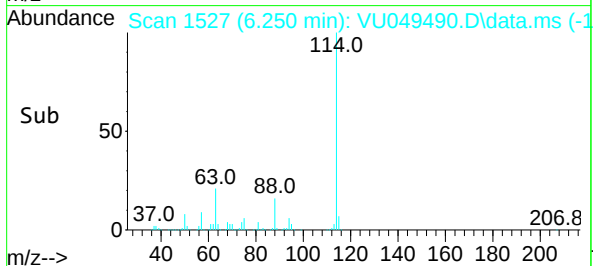
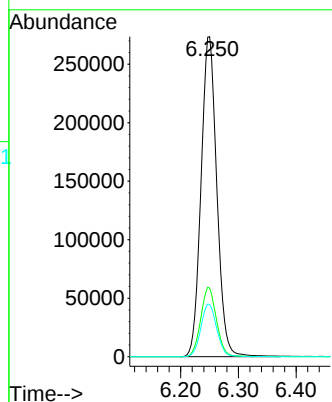
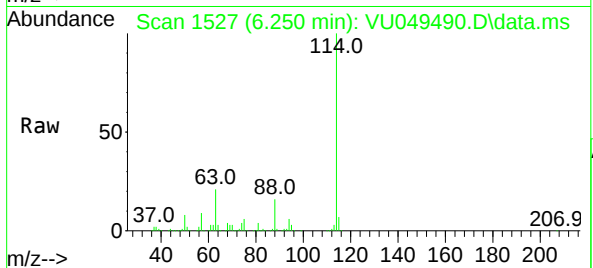
Tgt Ion:114 Resp: 518447

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 16.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.884 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049490.D

Acq: 29 Jun 2022 04:09

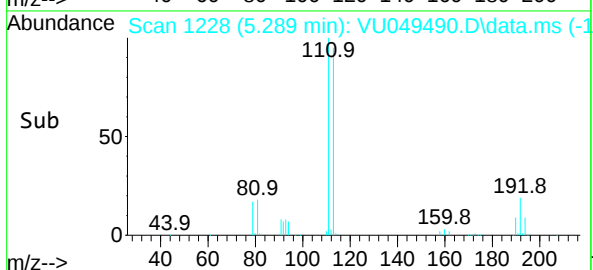
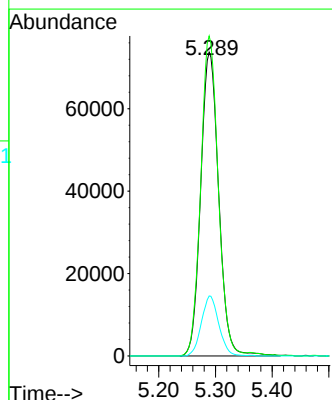
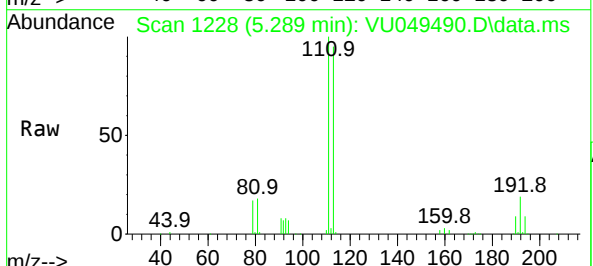
Tgt Ion:113 Resp: 162803

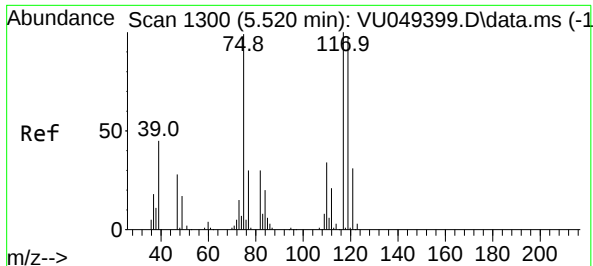
Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

192 19.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.446 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049490.D

Acq: 29 Jun 2022 04:09

Instrument :

MSVOA_U

ClientSampleId :

MW179D2-20220617

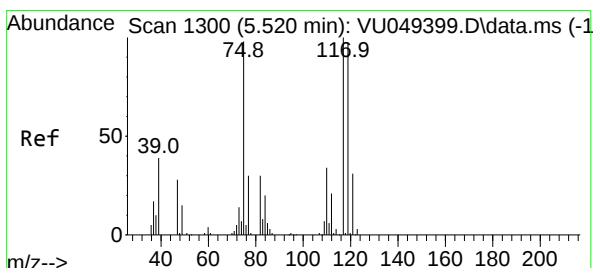
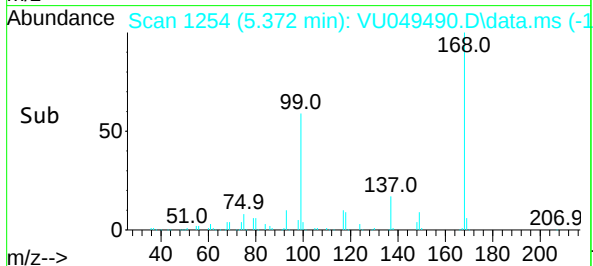
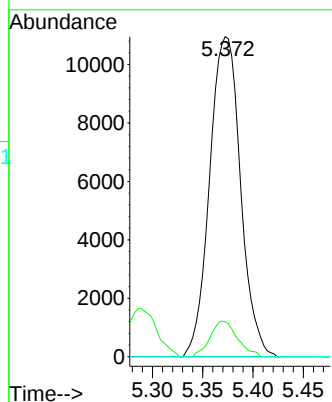
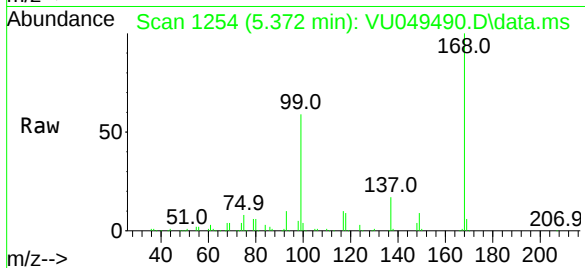
Tgt Ion: 75 Resp: 23385

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.689 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049490.D

Acq: 29 Jun 2022 04:09

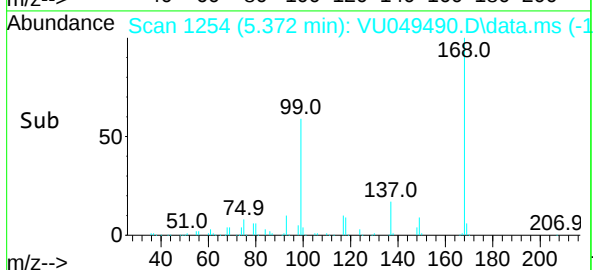
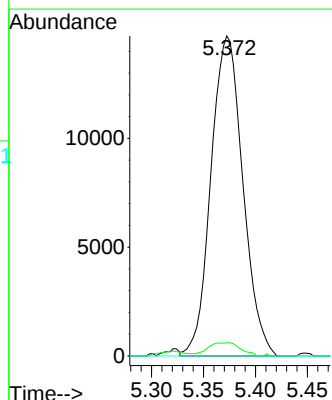
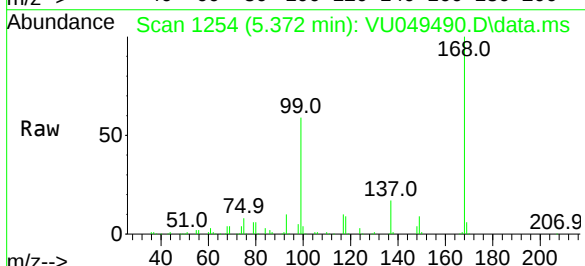
Tgt Ion: 117 Resp: 31378

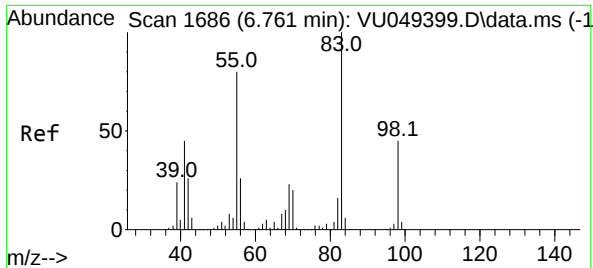
Ion Ratio Lower Upper

117 100

119 4.1 76.8 115.2#

121 0.0 24.7 37.1#

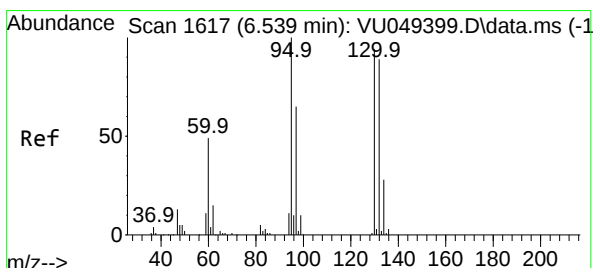
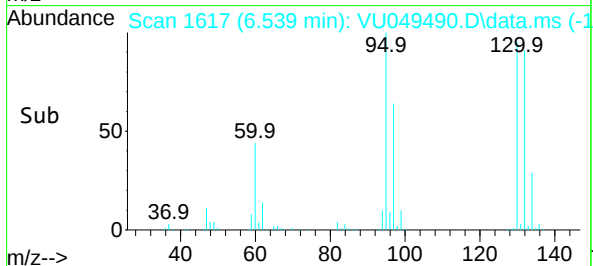
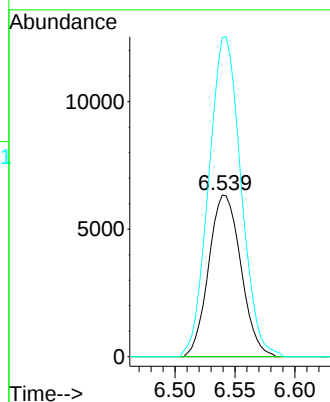
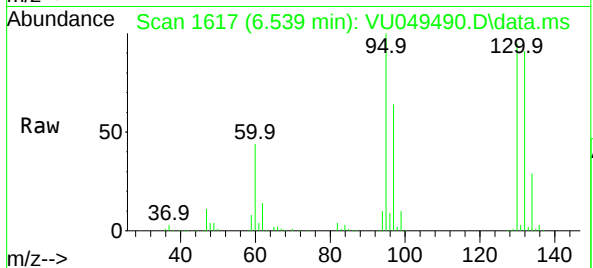




#39
Methylcyclohexane
Concen: 1.879 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.222 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

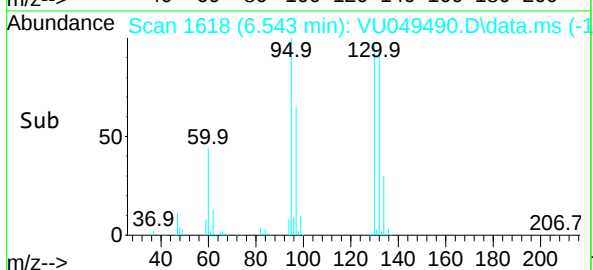
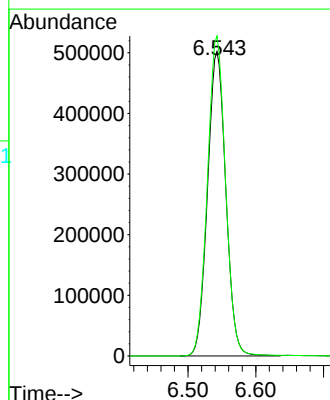
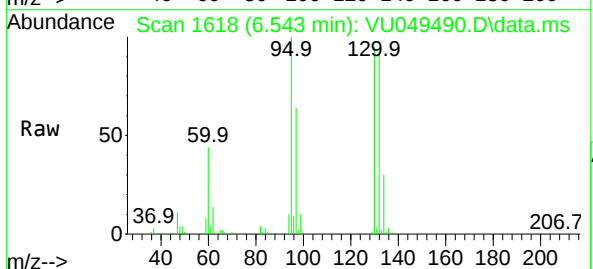
Instrument :
MSVOA_U
ClientSampleId :
MW179D2-20220617

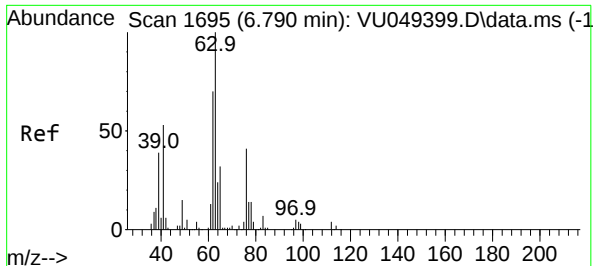
Tgt Ion: 83 Resp: 11844
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 197.5 37.3 55.9#



#44
Trichloroethene
Concen: 248.928 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Tgt Ion:130 Resp: 939639
Ion Ratio Lower Upper
130 100
95 105.1 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.845 ug/l

RT: 6.793 min Scan# 1696

Delta R.T. 0.004 min

Lab File: VU049490.D

Acq: 29 Jun 2022 04:09

Instrument :

MSVOA_U

ClientSampleId :

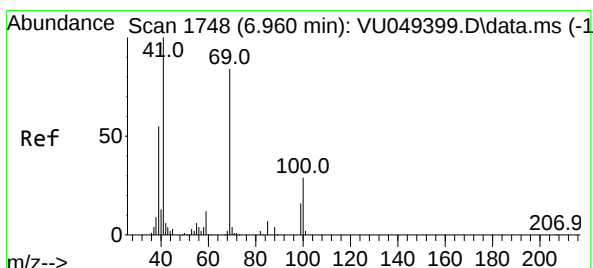
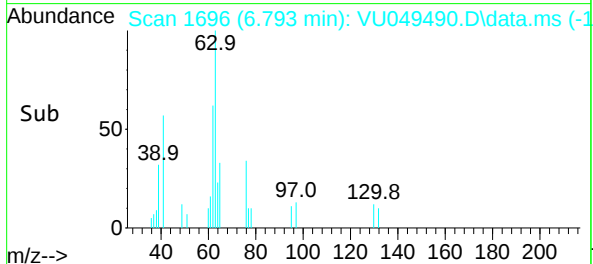
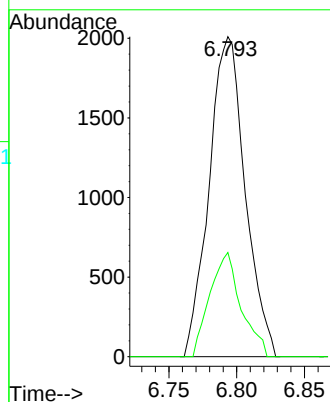
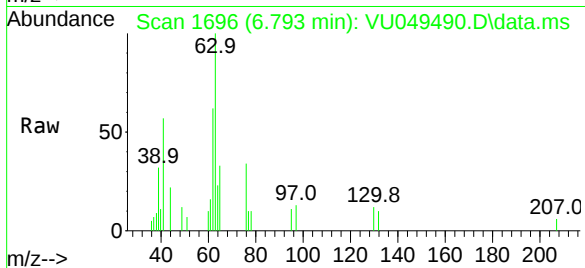
MW179D2-20220617

Tgt Ion: 63 Resp: 3718

Ion Ratio Lower Upper

63 100

65 32.5 25.0 37.4



#48

Methyl methacrylate

Concen: 0.384 ug/l

RT: 6.793 min Scan# 1696

Delta R.T. -0.167 min

Lab File: VU049490.D

Acq: 29 Jun 2022 04:09

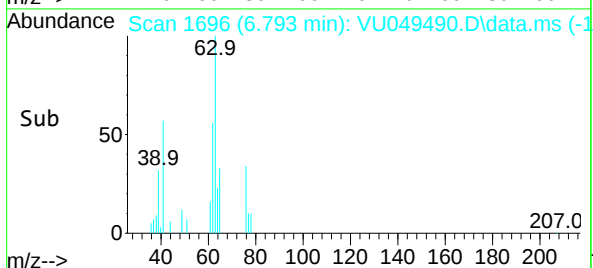
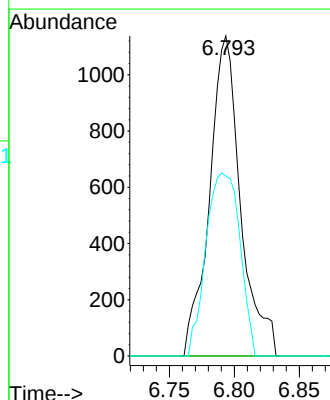
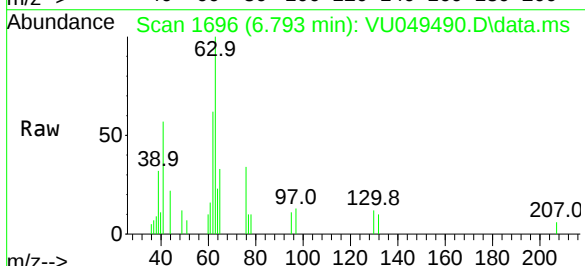
Tgt Ion: 41 Resp: 1897

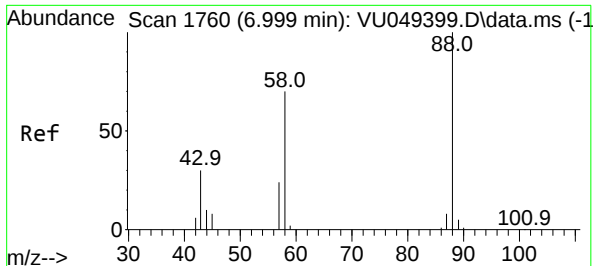
Ion Ratio Lower Upper

41 100

69 0.0 79.8 119.6#

39 62.2 47.9 71.9





#49

1,4-Dioxane

Concen: 3.116 ug/l

RT: 7.006 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU049490.D

Acq: 29 Jun 2022 04:09

Instrument :

MSVOA_U

ClientSampleId :

MW179D2-20220617

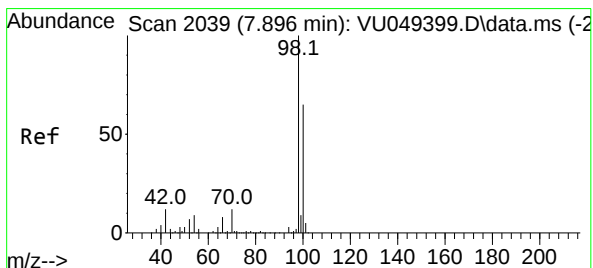
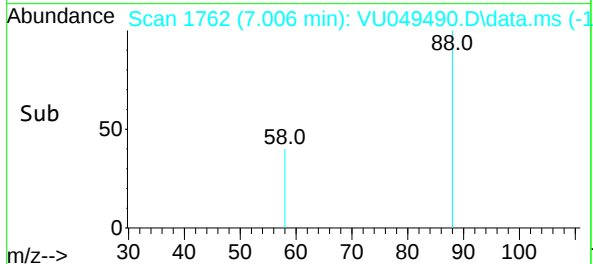
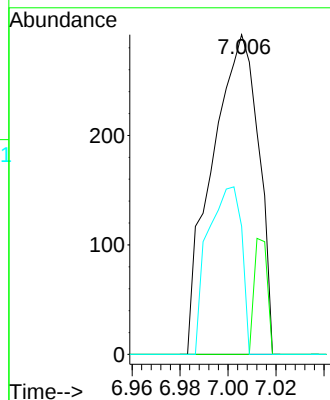
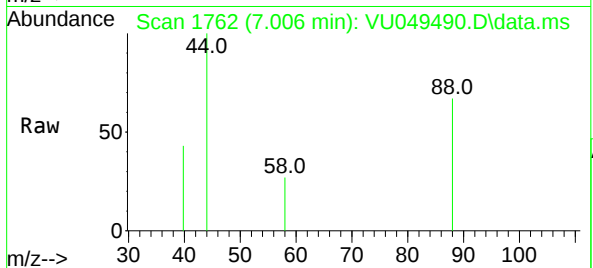
Tgt Ion: 88 Resp: 394

Ion Ratio Lower Upper

88 100

43 10.2 0.0 0.0#

58 37.8 15.4 23.0#



#50

Toluene-d8

Concen: 47.719 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049490.D

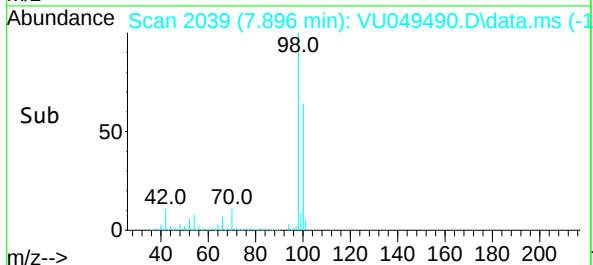
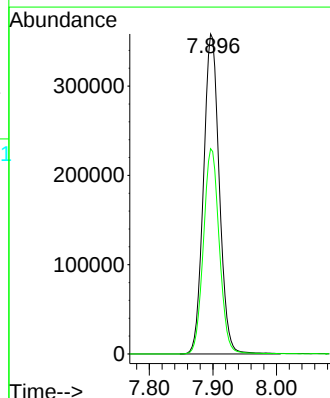
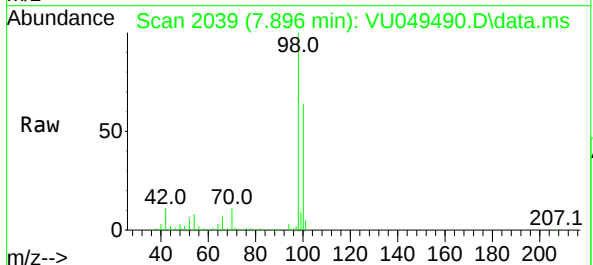
Acq: 29 Jun 2022 04:09

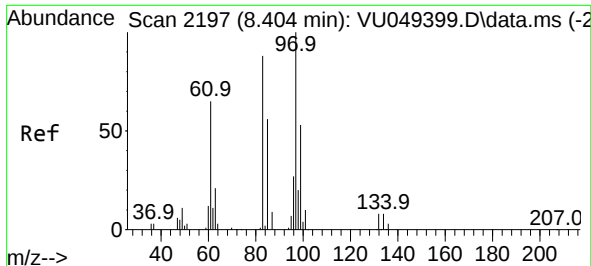
Tgt Ion: 98 Resp: 617354

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5

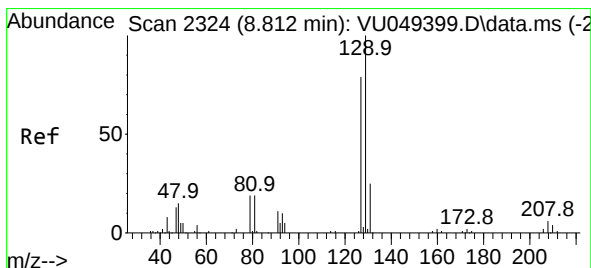
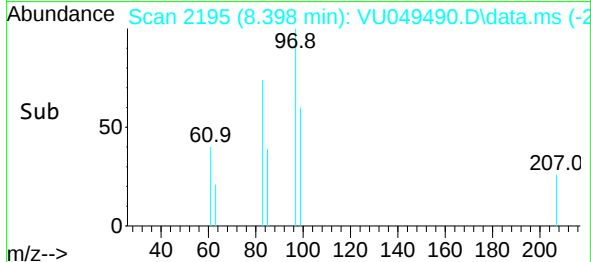
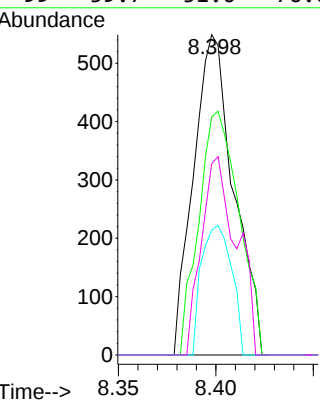
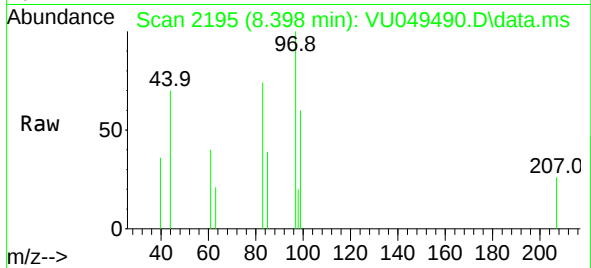




#55
1,1,2-Trichloroethane
Concen: 0.202 ug/l
RT: 8.398 min Scan# 2195
Delta R.T. -0.006 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

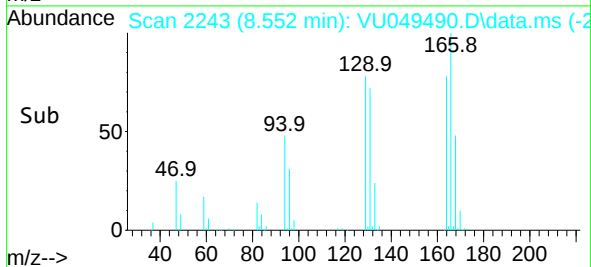
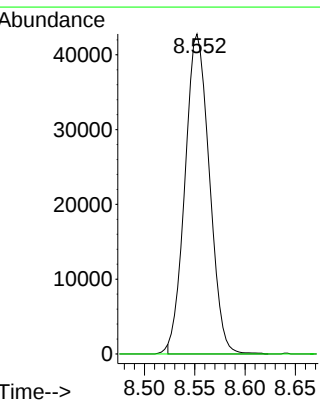
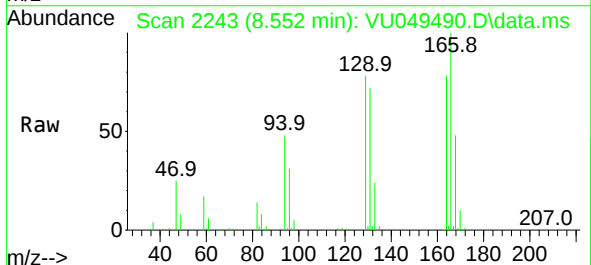
Instrument :
MSVOA_U
ClientSampleId :
MW179D2-20220617

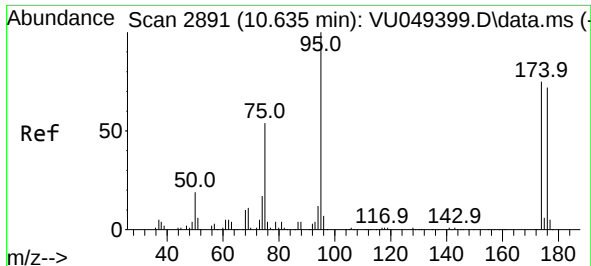
Tgt Ion: 97	Resp:	789
Ion Ratio	Lower	Upper
97	100	
83	74.3	70.2 105.4
85	39.0	44.6 66.8#
99	59.7	51.0 76.6



#60
Dibromochloromethane
Concen: 17.732 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Tgt Ion: 129	Resp:	71952
Ion Ratio	Lower	Upper
129	100	
127	0.0	38.6 116.0#

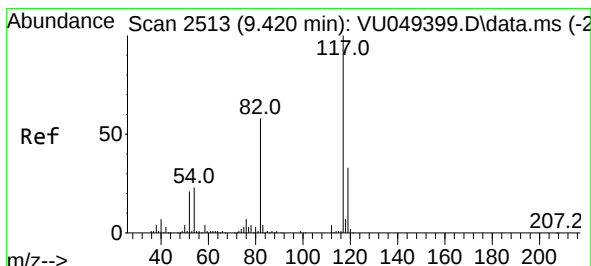
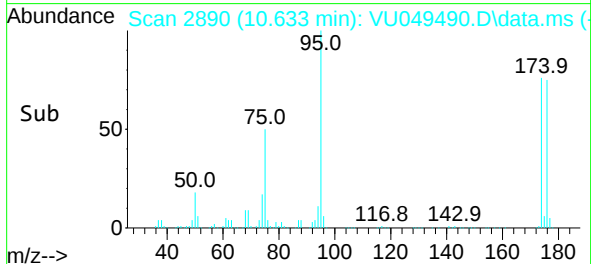
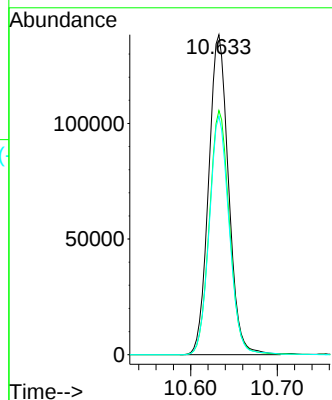
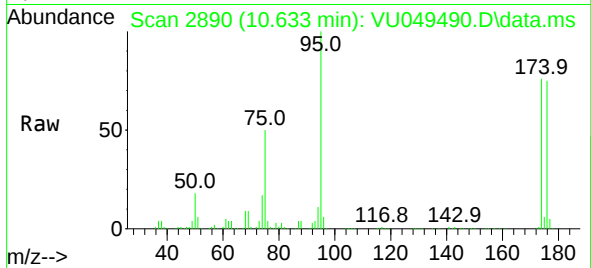




#62
4-Bromofluorobenzene
Concen: 44.591 ug/l
RT: 10.633 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

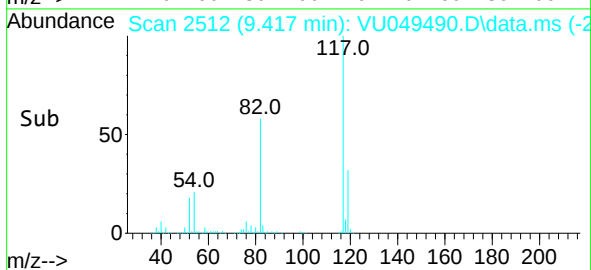
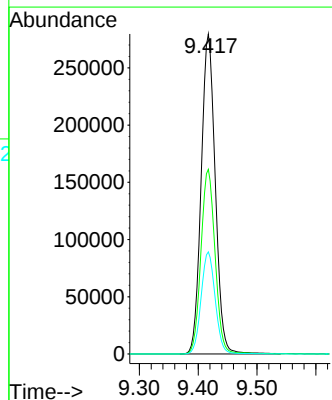
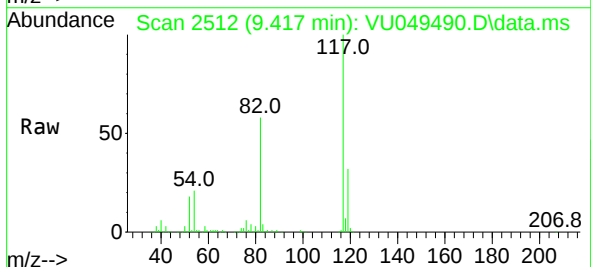
Instrument :
MSVOA_U
ClientSampleId :
MW179D2-20220617

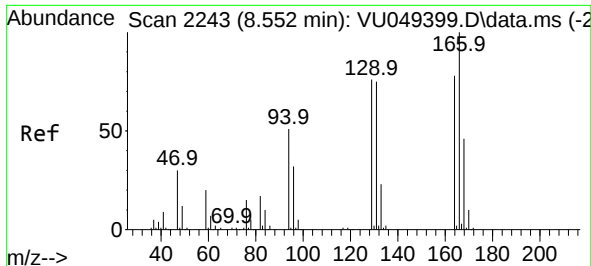
Tgt Ion: 95 Resp: 220983
Ion Ratio Lower Upper
95 100
174 77.1 0.0 182.0
176 74.5 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Tgt Ion: 117 Resp: 465998
Ion Ratio Lower Upper
117 100
82 57.7 41.7 62.5
119 31.9 25.7 38.5

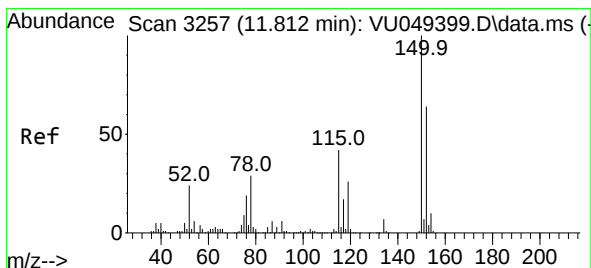
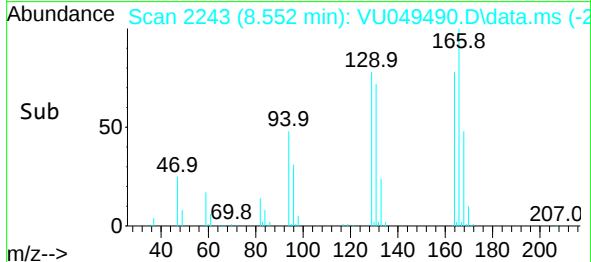
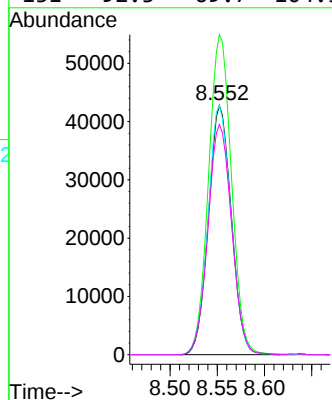
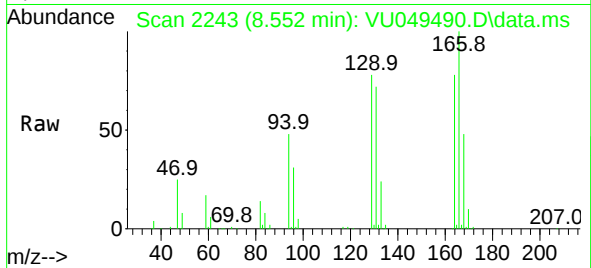




#64
Tetrachloroethene
Concen: 24.116 ug/l
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

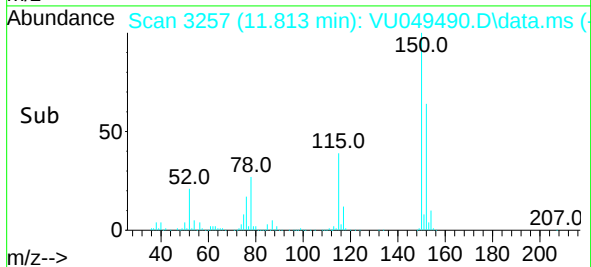
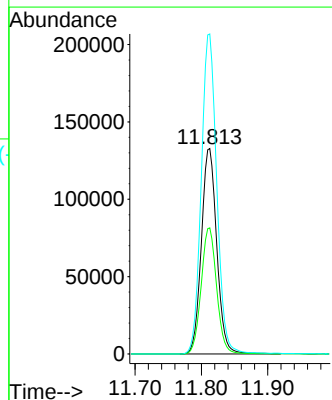
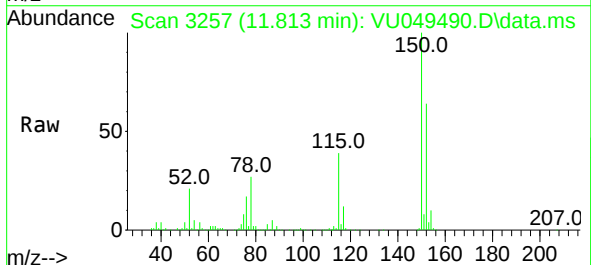
Instrument :
MSVOA_U
ClientSampleId :
MW179D2-20220617

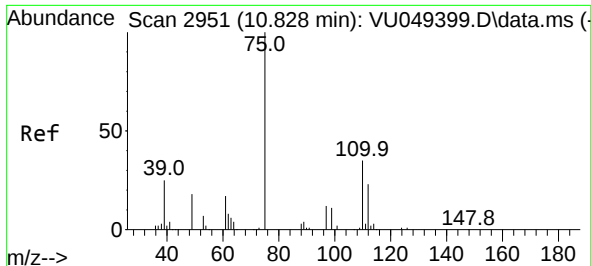
Tgt Ion:164	Resp:	72080
Ion Ratio	Lower	Upper
164	100	
166	128.3	100.0 150.0
129	100.0	72.0 108.0
131	92.3	69.7 104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.813 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Tgt Ion:152	Resp:	214386
Ion Ratio	Lower	Upper
152	100	
115	61.5	37.0 110.9
150	156.4	0.0 342.2

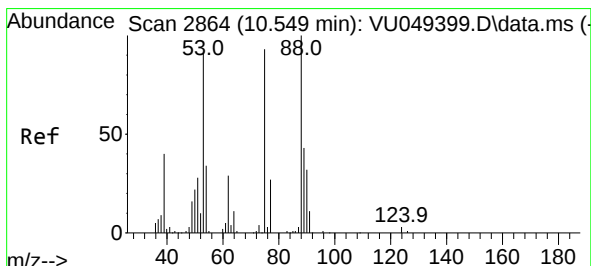
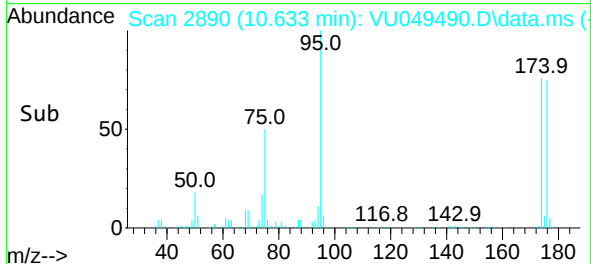
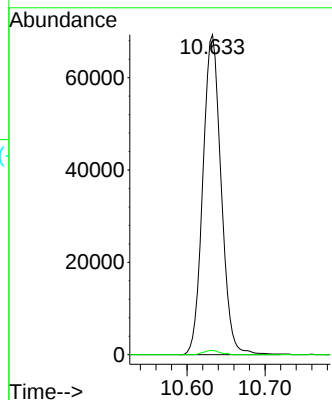
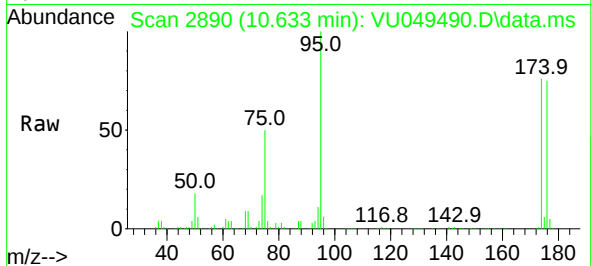




#76
1,2,3-Trichloropropane
Concen: 15.516 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

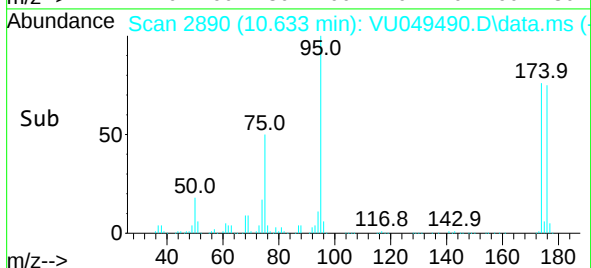
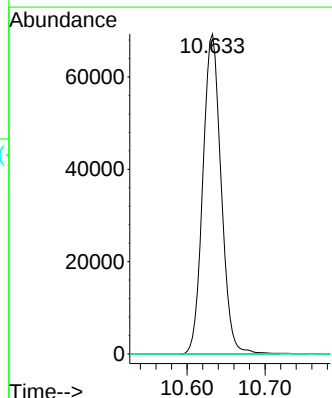
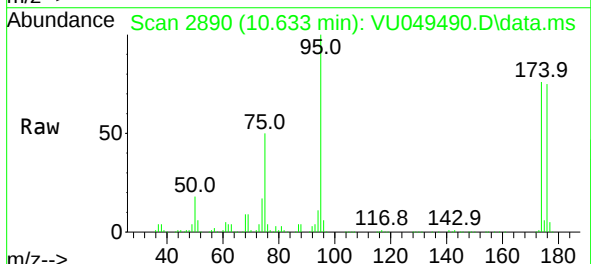
Instrument :
MSVOA_U
ClientSampleId :
MW179D2-20220617

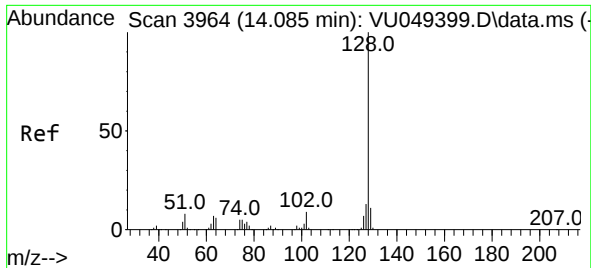
Tgt Ion: 75 Resp: 112764
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.300 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

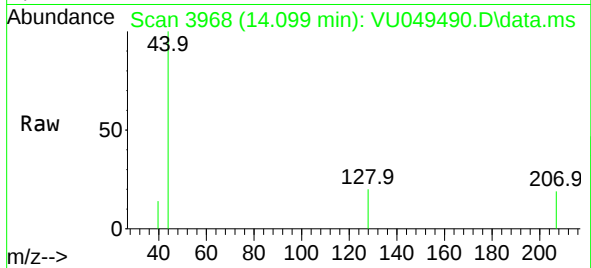
Tgt Ion: 75 Resp: 112764
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 1.746 ug/l
RT: 14.099 min Scan# 3968
Delta R.T. 0.013 min
Lab File: VU049490.D
Acq: 29 Jun 2022 04:09

Instrument :
MSVOA_U
ClientSampleId :
MW179D2-20220617



Tgt Ion:128 Resp: 182
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

