

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011705.D
 Acq On : 05 Dec 2022 18:36
 Operator : KP/MD
 Sample : N5883-01
 Misc : 4.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-18

Quant Time: Dec 06 00:38:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

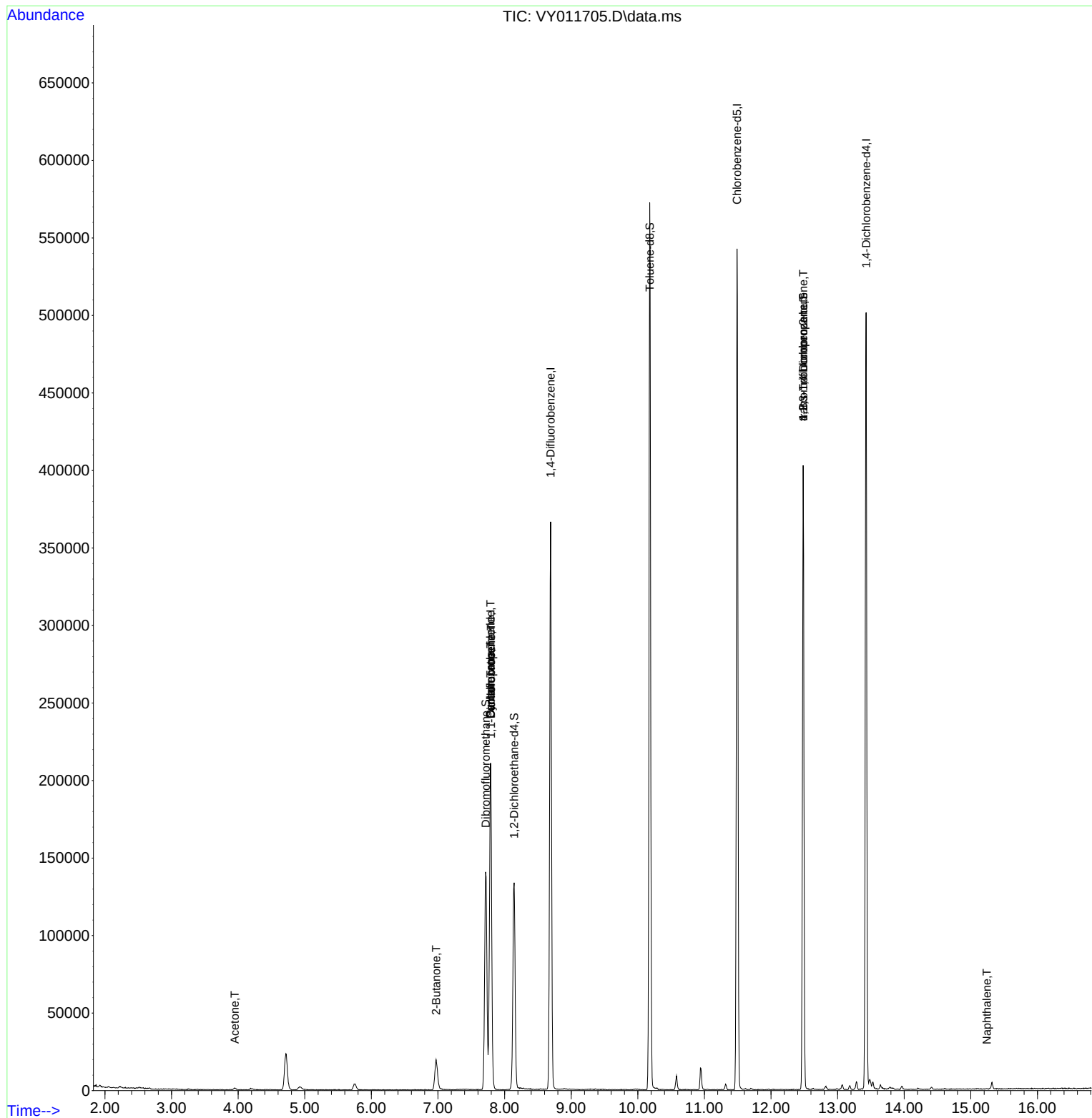
Internal Standards						
1) Pentafluorobenzene	7.789	168	159753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	297643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	295914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107240	66.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.220%	
35) Dibromofluoromethane	7.716	113	100199	54.686	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.380%	
50) Toluene-d8	10.179	98	368266	55.309	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.620%	
62) 4-Bromofluorobenzene	12.483	95	114969	46.702	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	76	Below Cal	#	43
3) Chloromethane	2.113	50	213	Below Cal	#	44
5) Bromomethane	2.668	94	70	Below Cal	#	15
11) Tert butyl alcohol	4.917	59	1172	Below Cal	#	77
16) Acetone	3.948	43	1999	3.794	ug/l	90
18) Methyl Acetate	4.491	43	323	Below Cal	#	56
20) Methylene Chloride	4.716	84	17818	Below Cal	#	86
25) 2-Butanone	6.972	43	953	1.376	ug/l	# 83
31) Cyclohexane	7.789	56	3614	1.344	ug/l	# 4
36) 1,1-Dichloropropene	7.795	75	12582	4.393	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	16441	5.131	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	61367	43.595	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	61367	95.488	ug/l	# 7
95) Naphthalene	15.239	128	159	4.052	ug/l	# 69

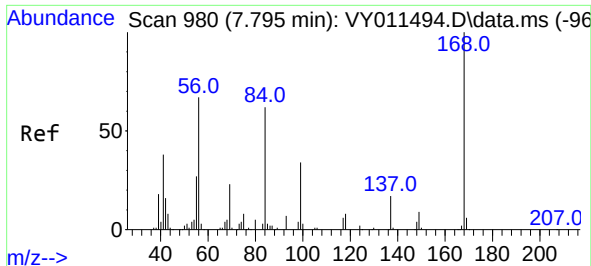
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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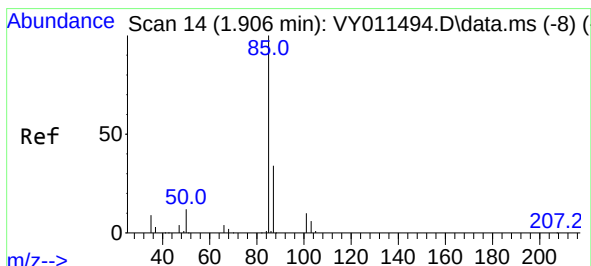
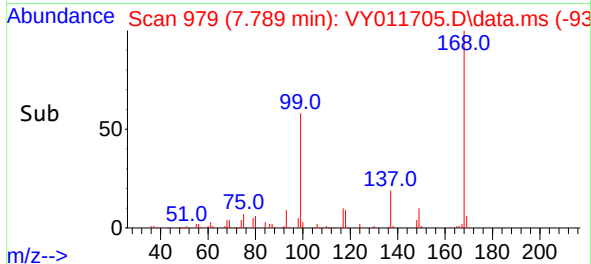
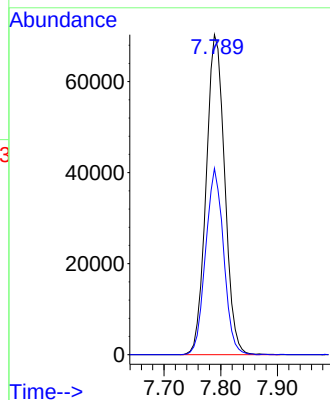
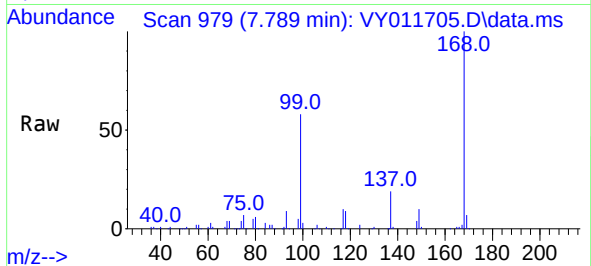




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

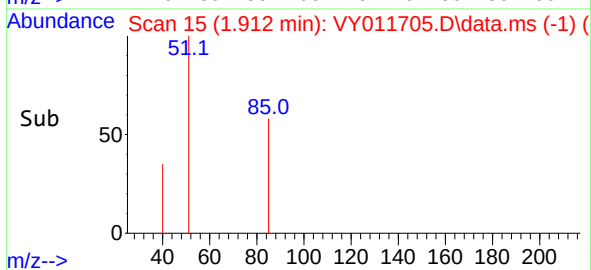
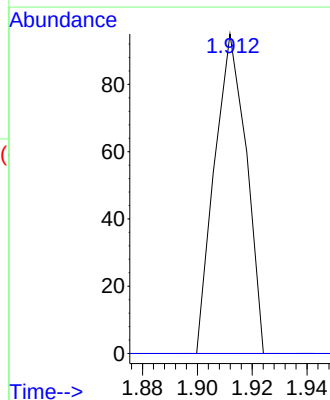
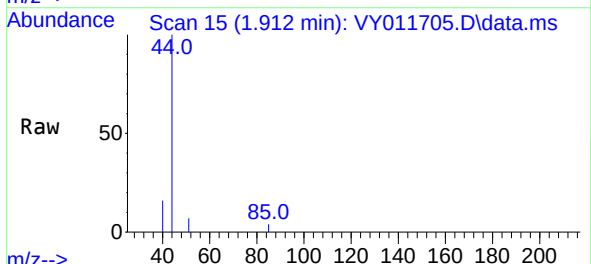
Instrument :
MSVOA_Y
ClientSampleId :
MH-18

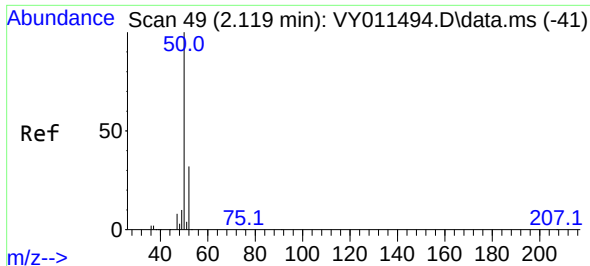
Tgt Ion:168 Resp: 159753
Ion Ratio Lower Upper
168 100
99 58.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Tgt Ion: 85 Resp: 76
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

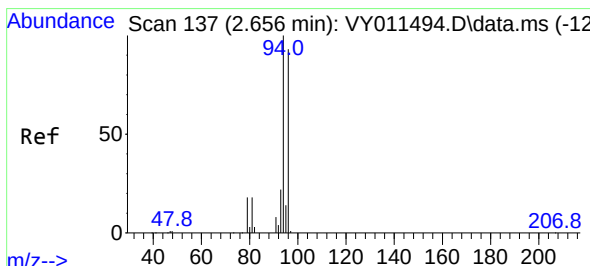
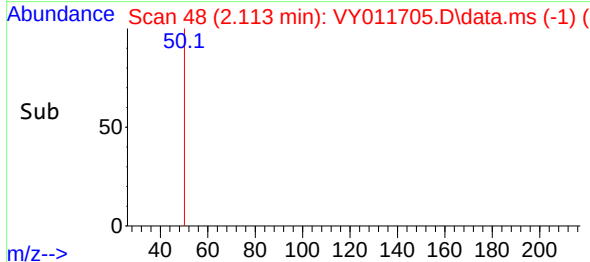
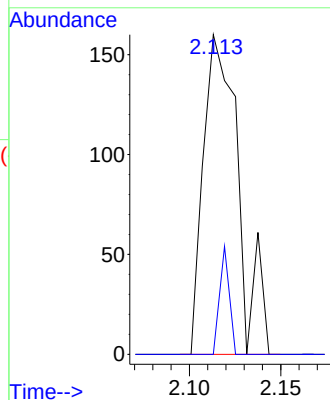
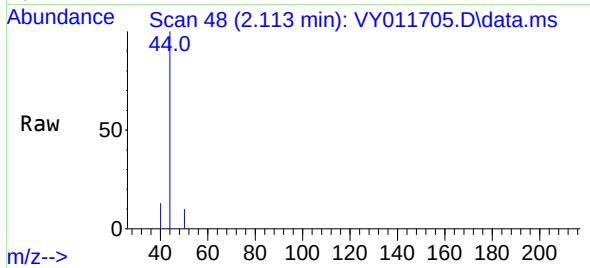




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

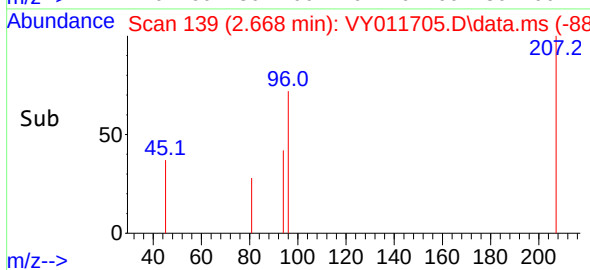
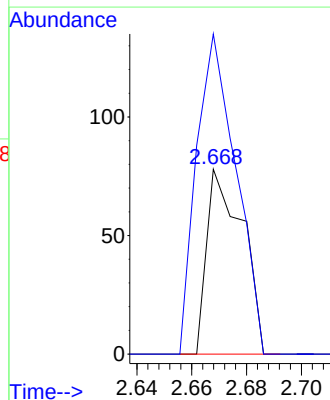
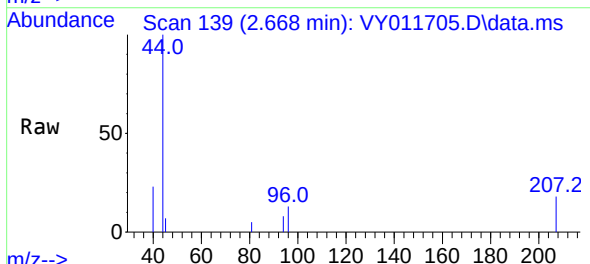
Instrument :
MSVOA_Y
ClientSampleId :
MH-18

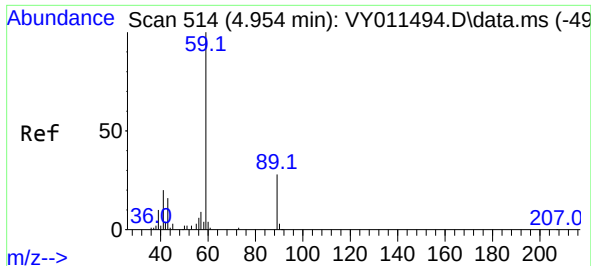
Tgt Ion: 50 Resp: 213
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Tgt Ion: 94 Resp: 70
Ion Ratio Lower Upper
94 100
96 173.1 73.5 110.3#

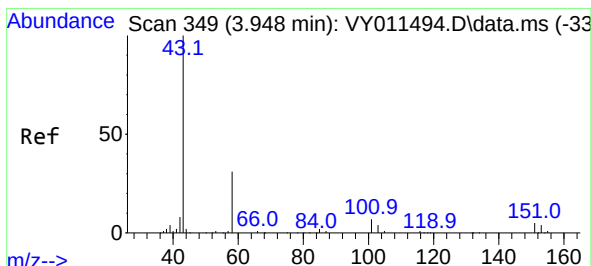
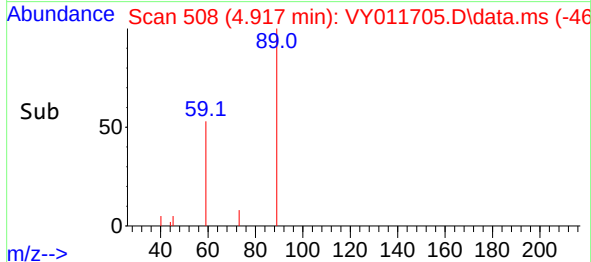
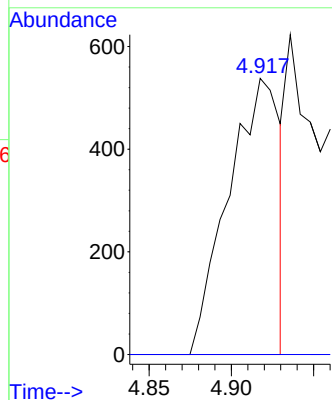
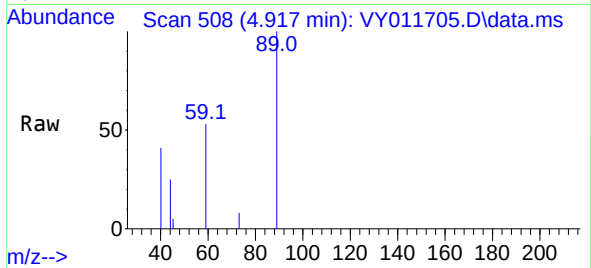




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.037 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

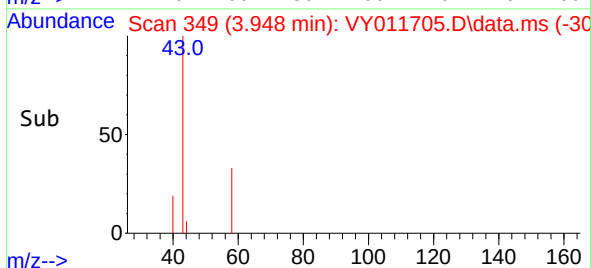
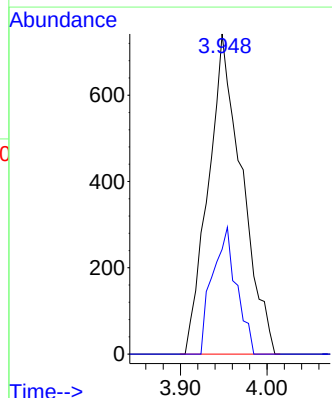
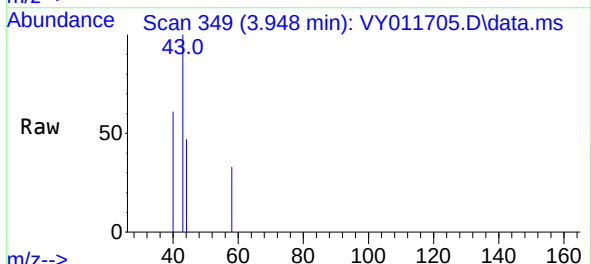
Instrument :
MSVOA_Y
ClientSampleId :
MH-18

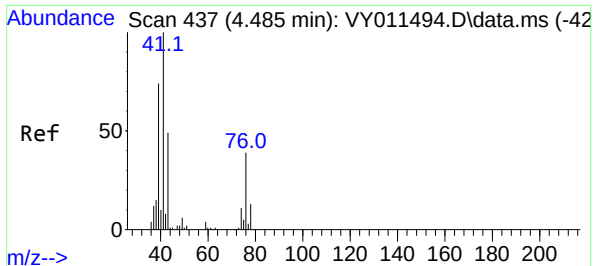
Tgt Ion: 59 Resp: 1172
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 3.794 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Tgt Ion: 43 Resp: 1999
Ion Ratio Lower Upper
43 100
58 32.7 22.0 33.0

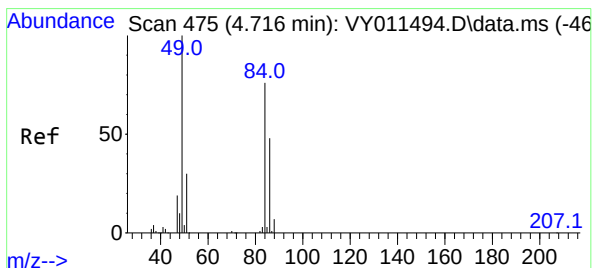
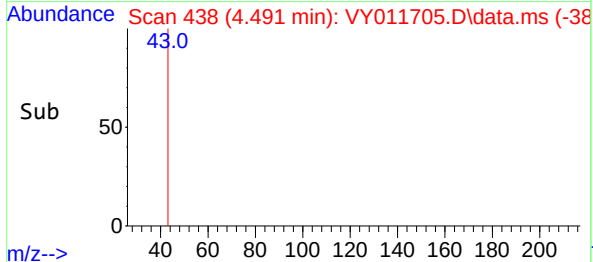
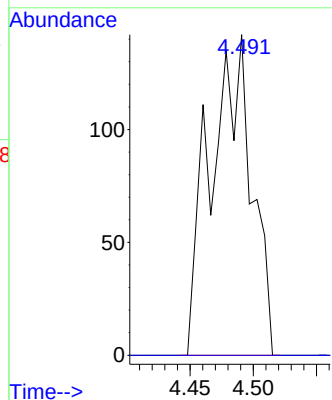
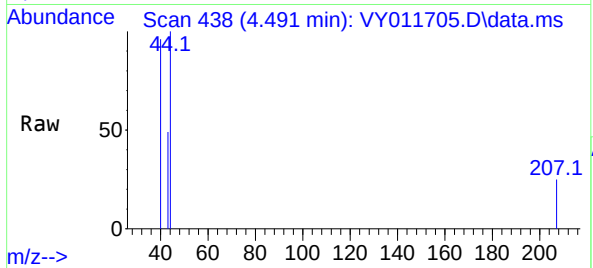




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

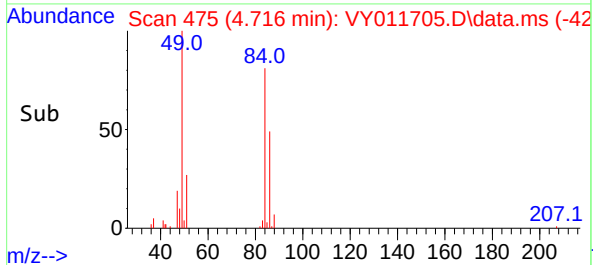
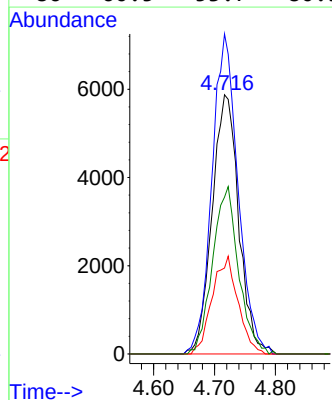
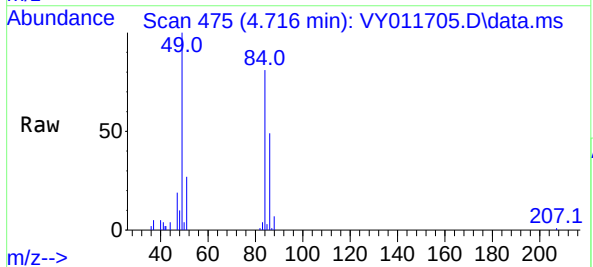
Instrument :
MSVOA_Y
ClientSampleId :
MH-18

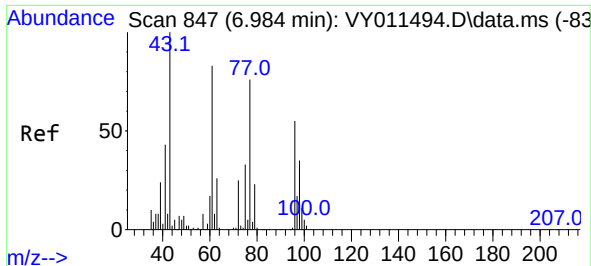
Tgt Ion: 43 Resp: 323
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Tgt Ion: 84 Resp: 17818
Ion Ratio Lower Upper
84 100
49 123.5 114.4 171.6
51 33.1 35.3 52.9#
86 60.5 53.7 80.5





#25

2-Butanone

Concen: 1.376 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011705.D

Acq: 05 Dec 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

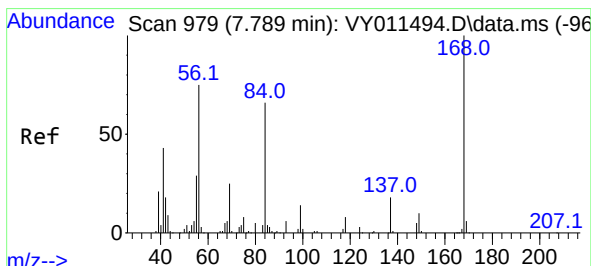
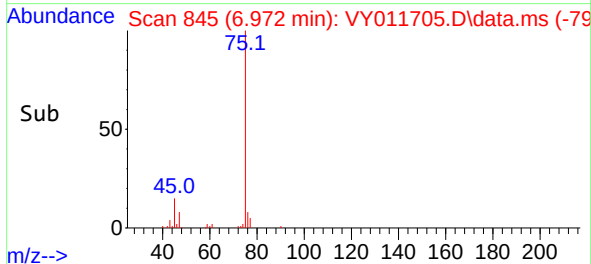
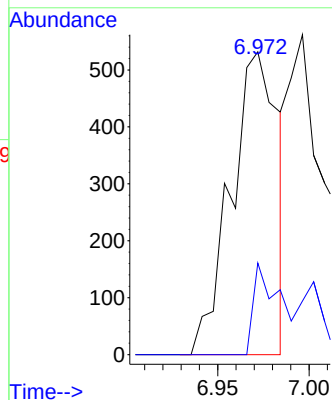
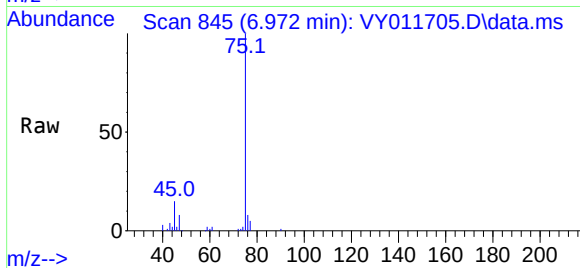
MH-18

Tgt Ion: 43 Resp: 953

Ion Ratio Lower Upper

43 100

72 30.3 17.7 26.5#



#31

Cyclohexane

Concen: 1.344 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011705.D

Acq: 05 Dec 2022 18:36

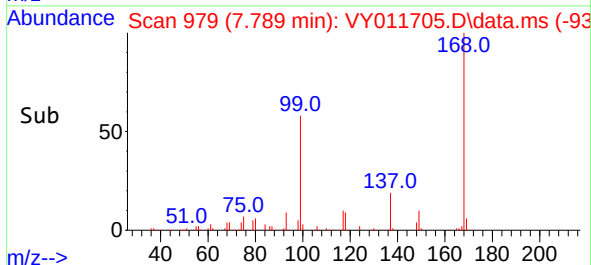
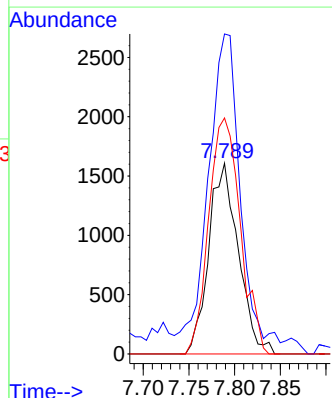
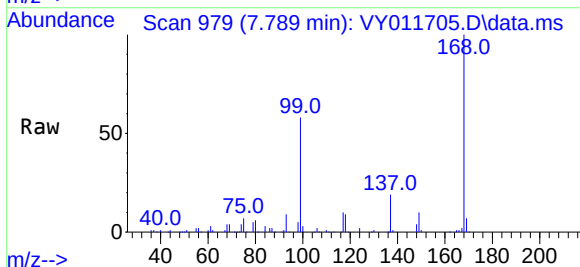
Tgt Ion: 56 Resp: 3614

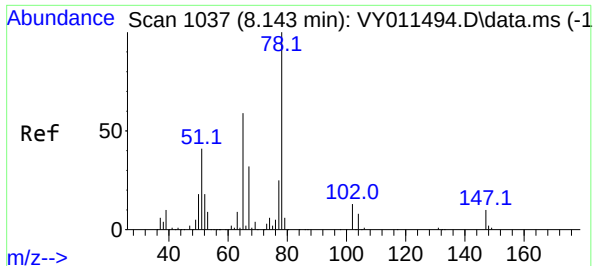
Ion Ratio Lower Upper

56 100

69 161.9 26.7 40.1#

84 123.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.111 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011705.D

Acq: 05 Dec 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

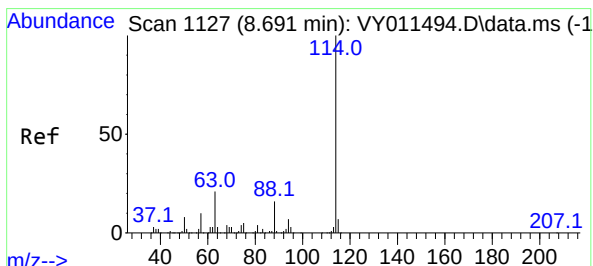
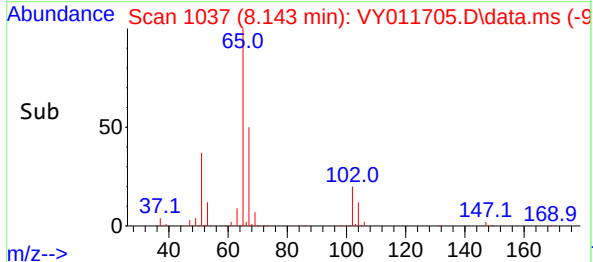
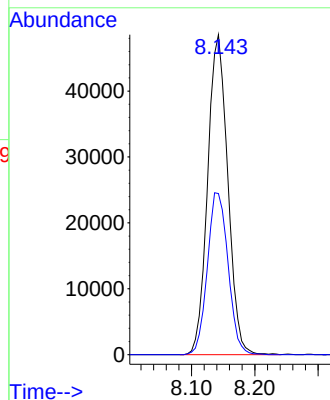
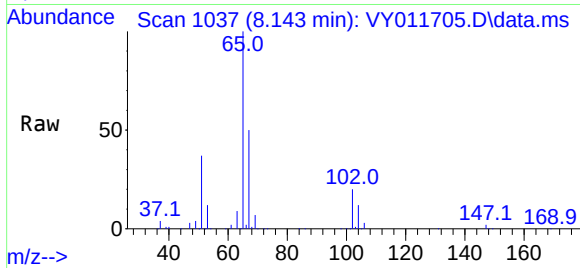
MH-18

Tgt Ion: 65 Resp: 107240

Ion Ratio Lower Upper

65 100

67 52.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011705.D

Acq: 05 Dec 2022 18:36

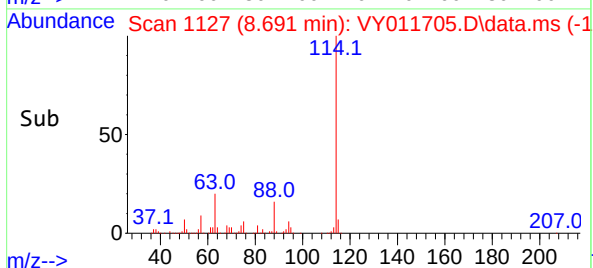
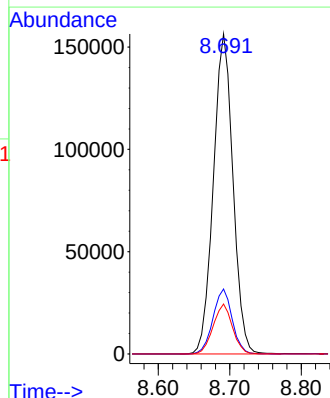
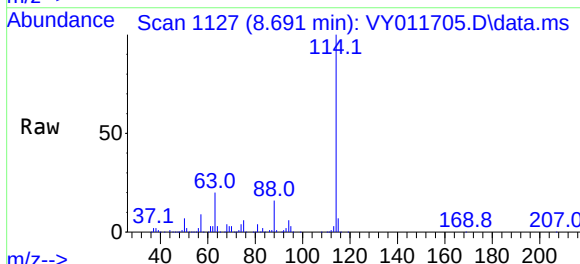
Tgt Ion: 114 Resp: 297643

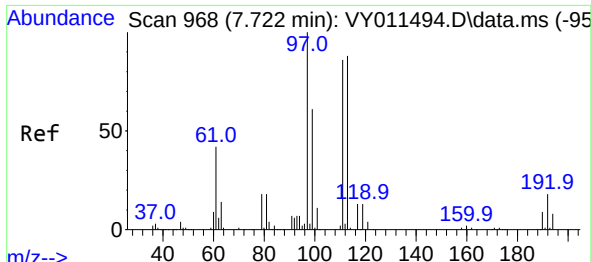
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 15.6 0.0 31.8

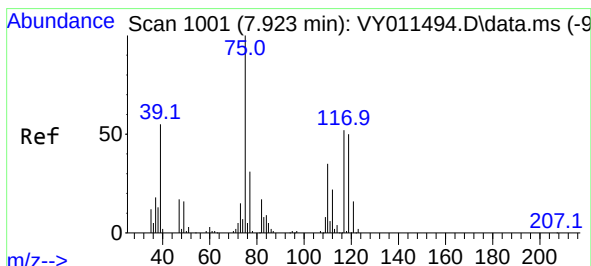
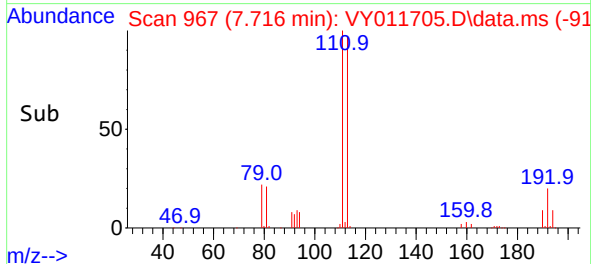
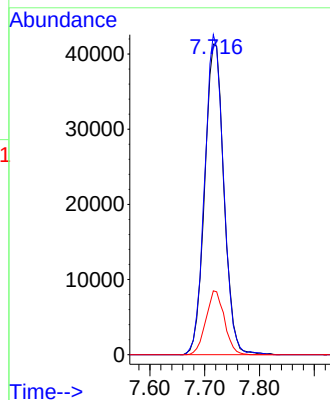
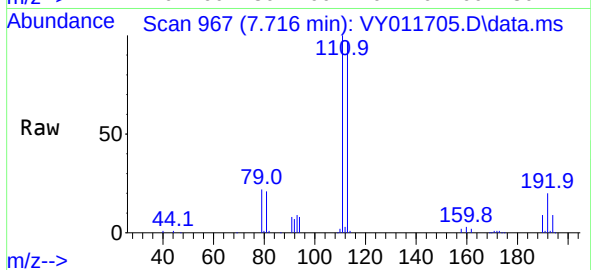




#35
Dibromofluoromethane
Concen: 54.686 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

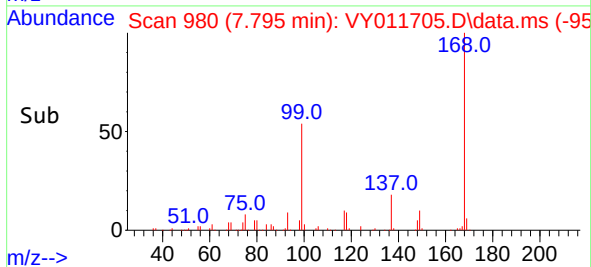
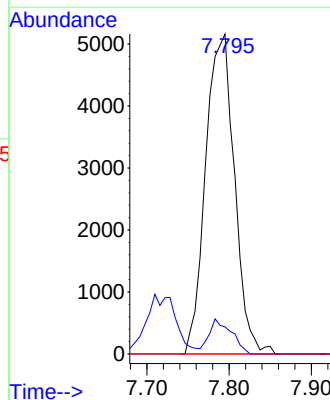
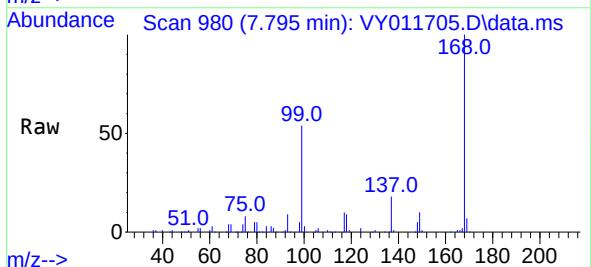
Instrument :
MSVOA_Y
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MH-18

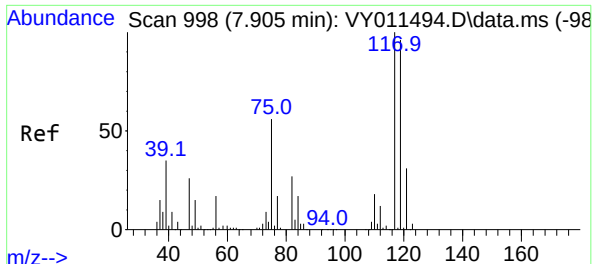
Tgt Ion:113 Resp: 100199
Ion Ratio Lower Upper
113 100
111 101.6 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.393 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Tgt Ion: 75 Resp: 12582
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#

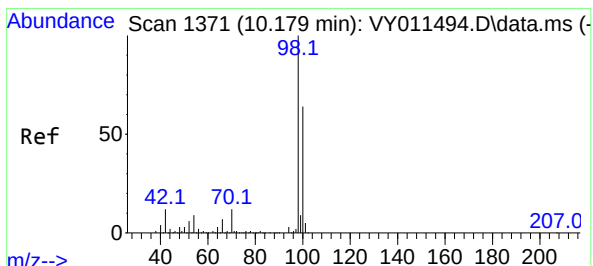
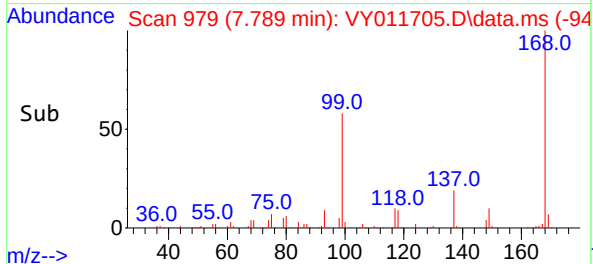
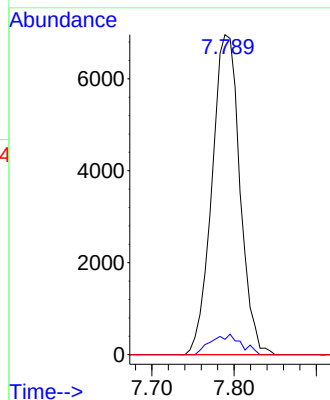
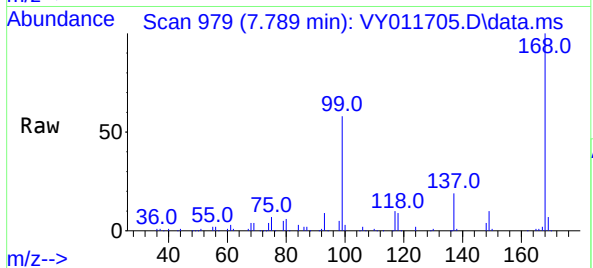




#38
Carbon Tetrachloride
Concen: 5.131 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

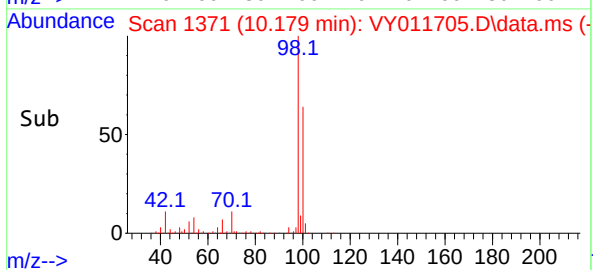
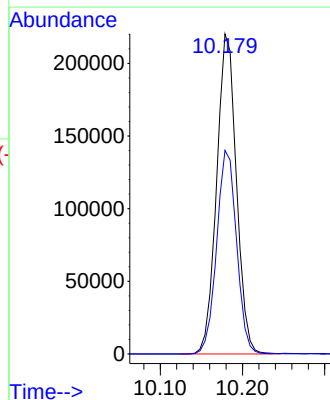
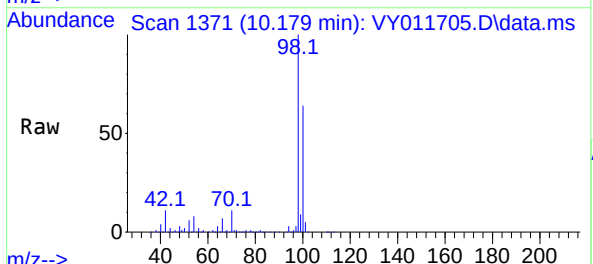
Instrument :
MSVOA_Y
ClientSampleId :
MH-18

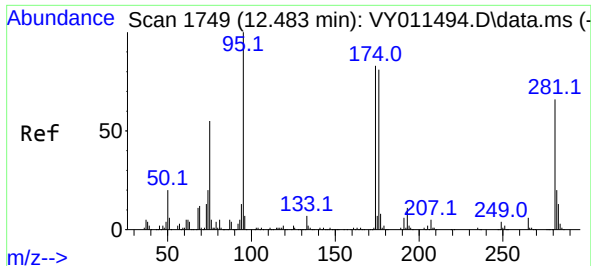
Tgt Ion:117 Resp: 16441
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.309 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Tgt Ion: 98 Resp: 368266
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

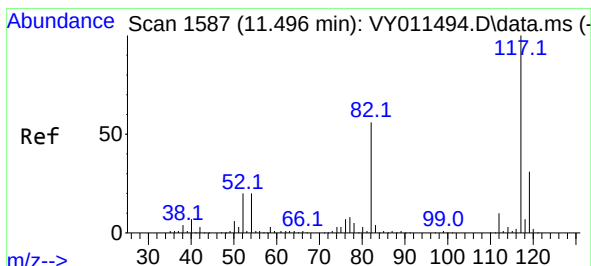
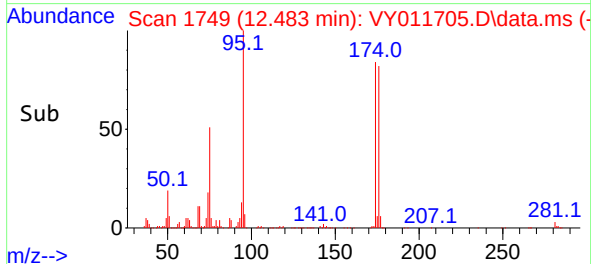
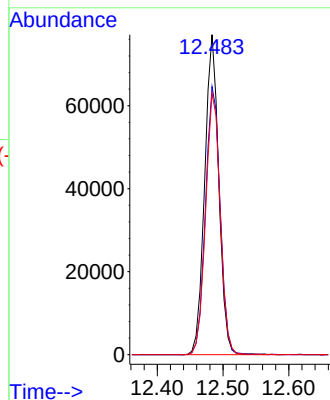
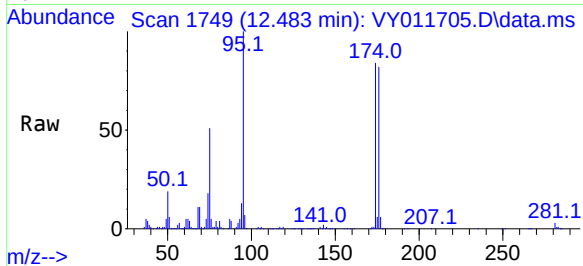




#62
4-Bromofluorobenzene
Concen: 46.702 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

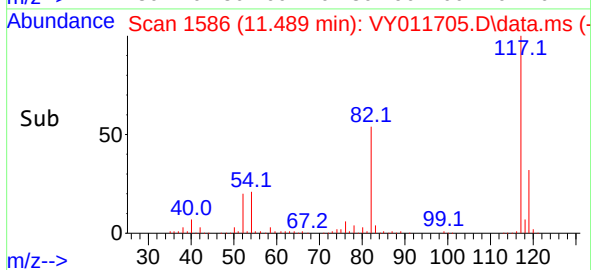
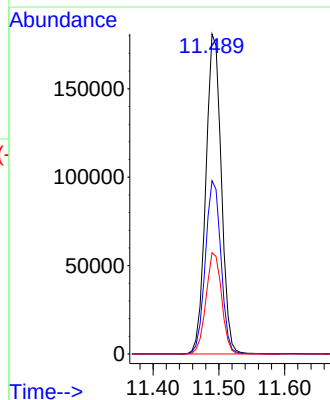
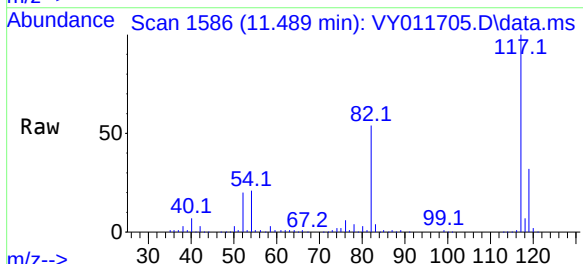
Instrument :
MSVOA_Y
ClientSampleId :
MH-18

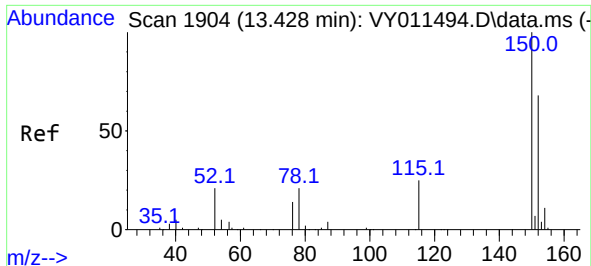
Tgt Ion: 95 Resp: 114969
Ion Ratio Lower Upper
95 100
174 87.3 0.0 177.0
176 84.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Tgt Ion: 117 Resp: 295914
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 31.6 25.4 38.0

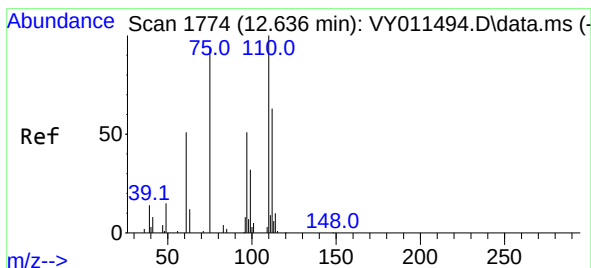
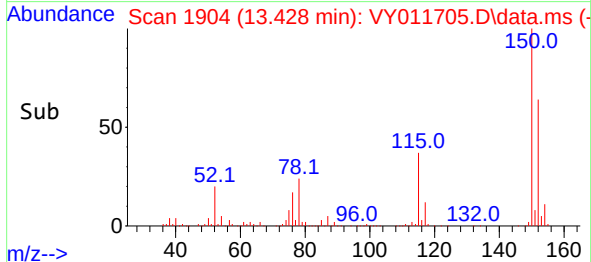
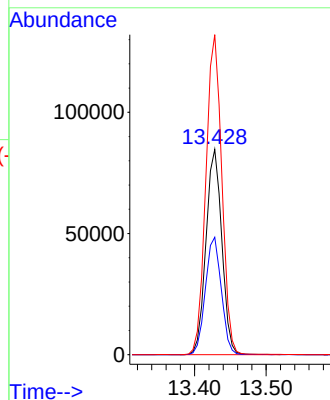
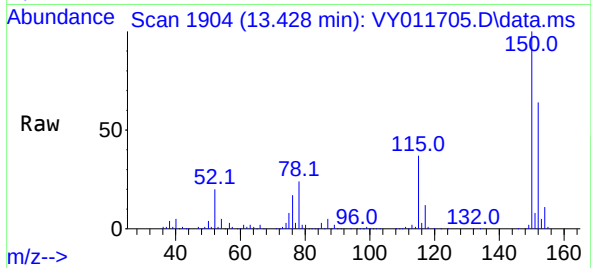




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

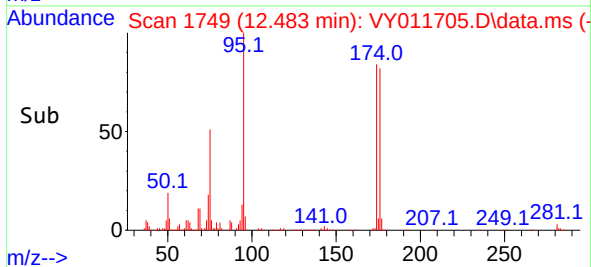
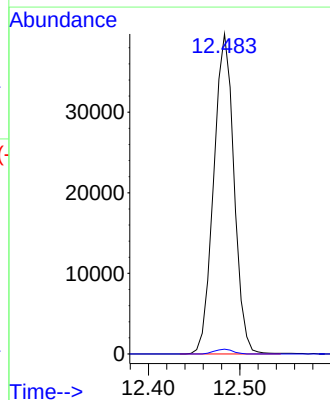
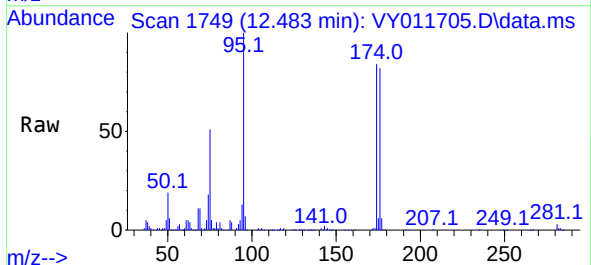
Instrument :
MSVOA_Y
ClientSampleId :
MH-18

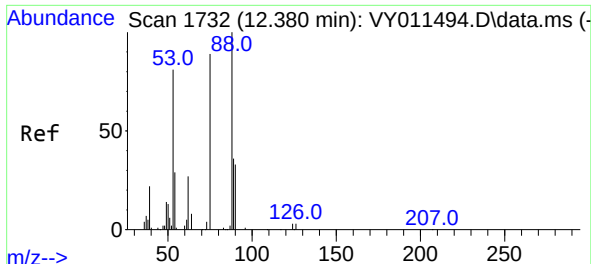
Tgt Ion:152 Resp: 130710
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 156.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 43.595 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Tgt Ion: 75 Resp: 61367
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

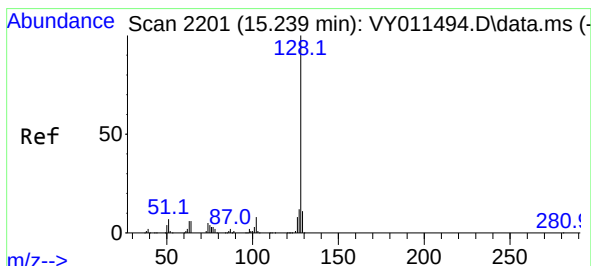
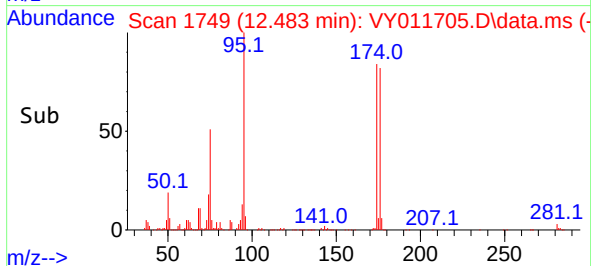
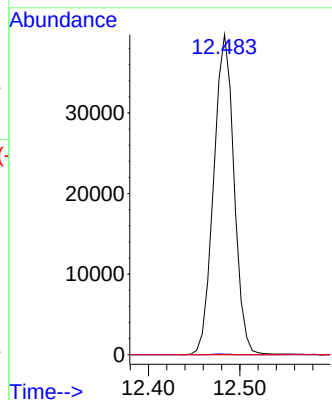
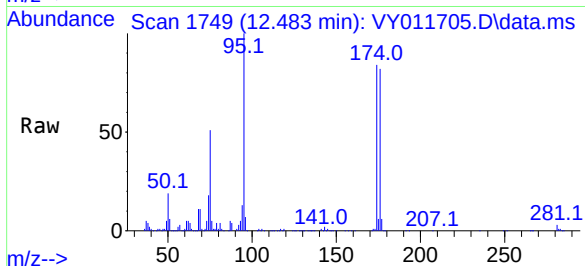




#81
trans-1,4-Dichloro-2-butene
Concen: 95.488 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Instrument :
MSVOA_Y
ClientSampleId :
MH-18

Tgt Ion: 75 Resp: 61367
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.052 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011705.D
Acq: 05 Dec 2022 18:36

Tgt Ion:128 Resp: 159
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

