

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
 Data File : VY011671.D
 Acq On : 01 Dec 2022 18:37
 Operator : KP/MD
 Sample : N5844-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-17

Quant Time: Dec 02 03:23:49 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)

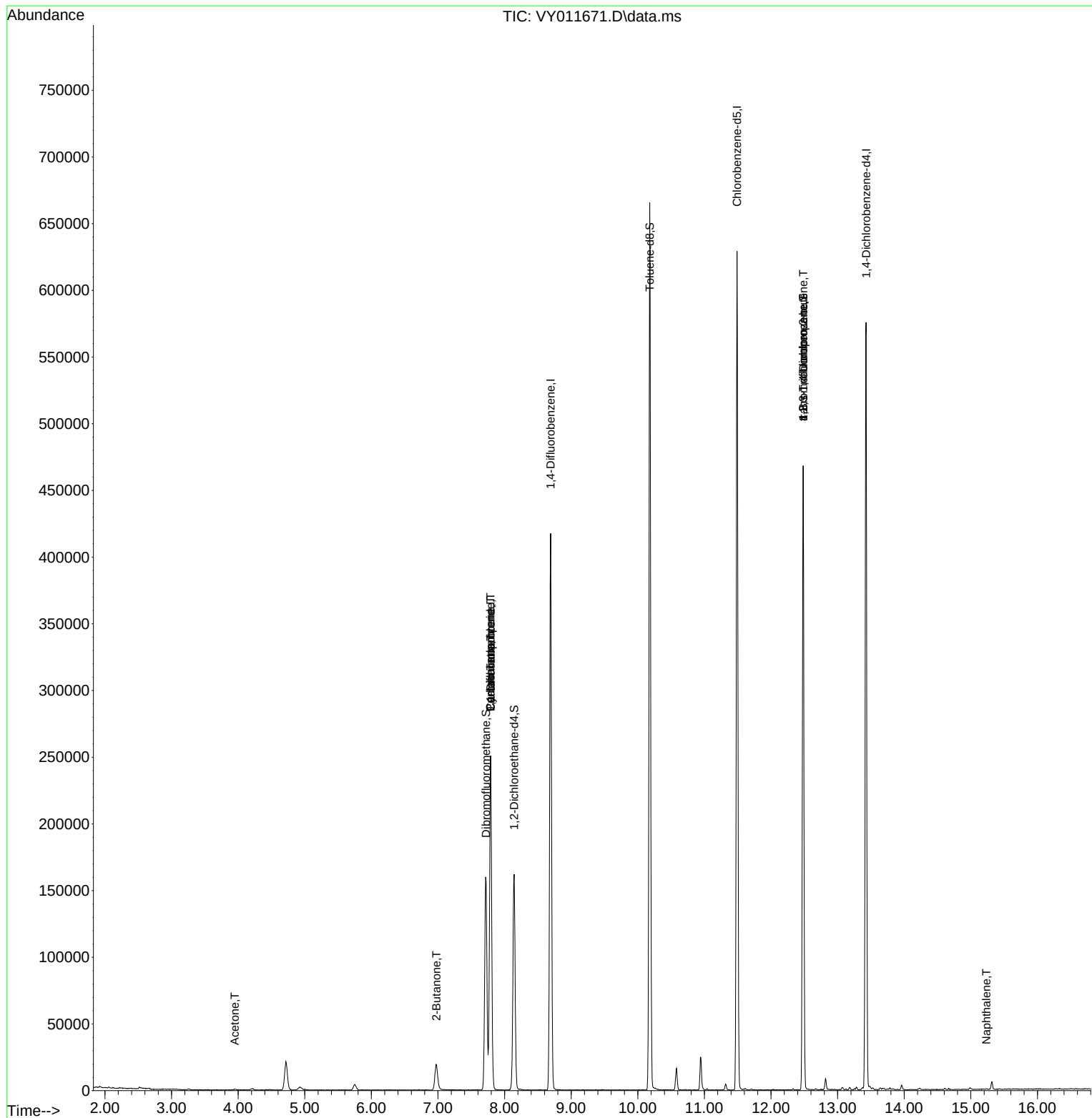
Internal Standards						
1) Pentafluorobenzene	7.789	168	185967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	343469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	333538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	127197	67.361	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.720%			
35) Dibromofluoromethane	7.722	113	110830	52.417	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.840%			
50) Toluene-d8	10.178	98	420718	54.757	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.520%			
62) 4-Bromofluorobenzene	12.483	95	136782	48.149	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	132	Below Cal	#	43
3) Chloromethane	2.113	50	228	Below Cal	#	86
5) Bromomethane	2.662	94	109	Below Cal	#	4
11) Tert butyl alcohol	4.923	59	2534	Below Cal	#	77
16) Acetone	3.948	43	958	1.562	ug/l	96
18) Methyl Acetate	4.484	43	322	Below Cal	#	56
20) Methylene Chloride	4.716	84	15046	Below Cal		90
25) 2-Butanone	6.978	43	1397	1.733	ug/l #	54
31) Cyclohexane	7.789	56	4207	1.344	ug/l #	3
36) 1,1-Dichloropropene	7.789	75	14867	4.498	ug/l #	50
38) Carbon Tetrachloride	7.789	117	18457	4.992	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	72711	45.082	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	72711	98.745	ug/l #	7
95) Naphthalene	15.232	128	250	4.064	ug/l #	69

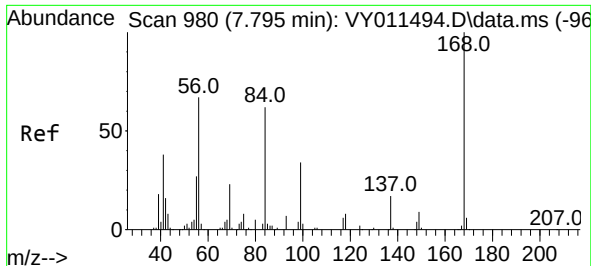
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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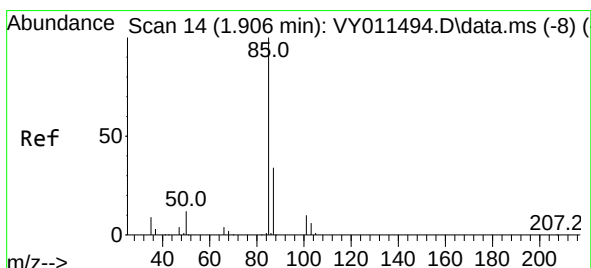
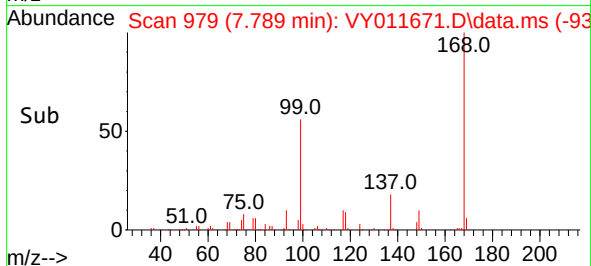
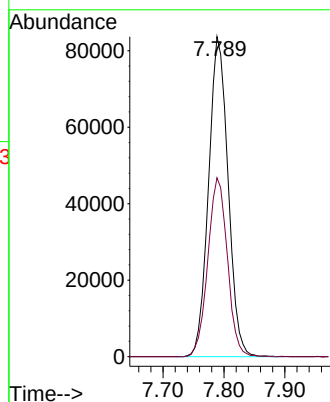
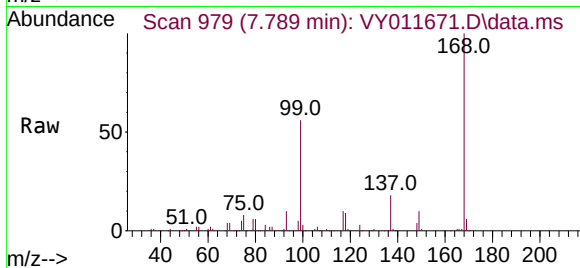




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

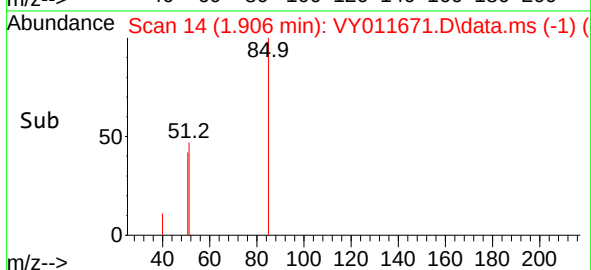
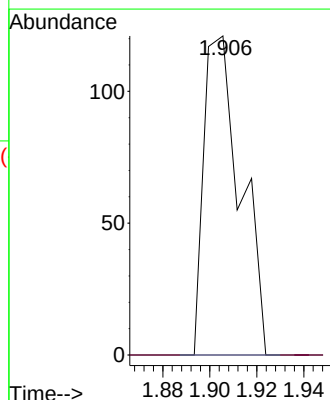
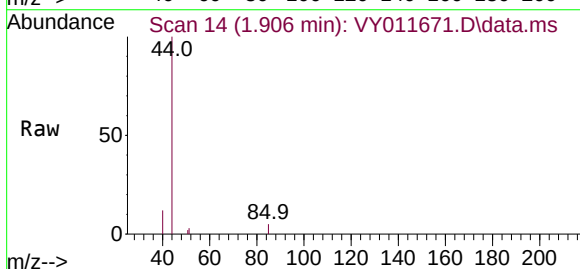
Instrument :
MSVOA_Y
ClientSampleId :
MH-17

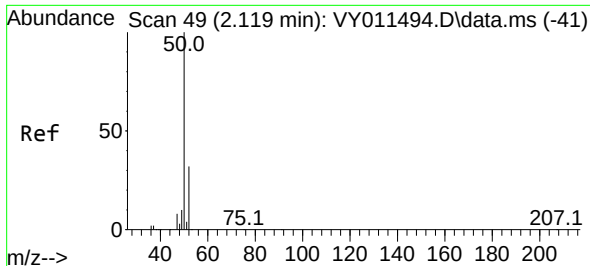
Tgt Ion:168 Resp: 185967
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

Tgt Ion: 85 Resp: 132
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

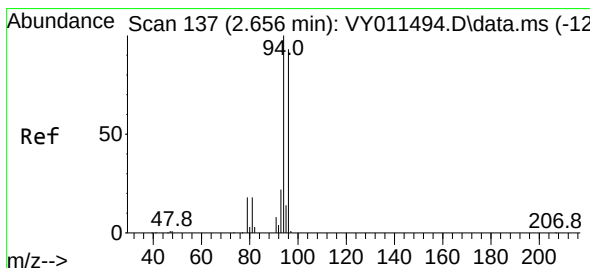
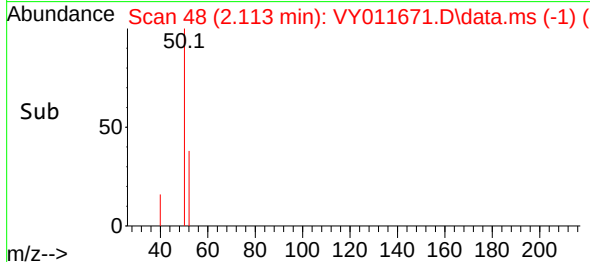
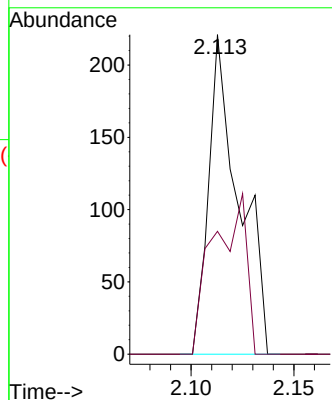
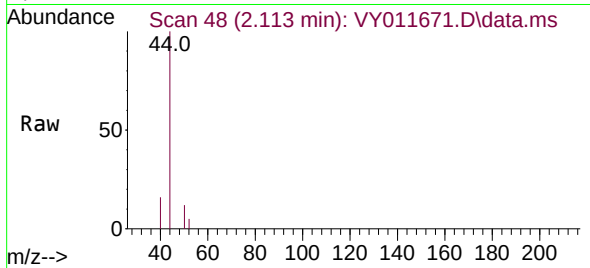




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

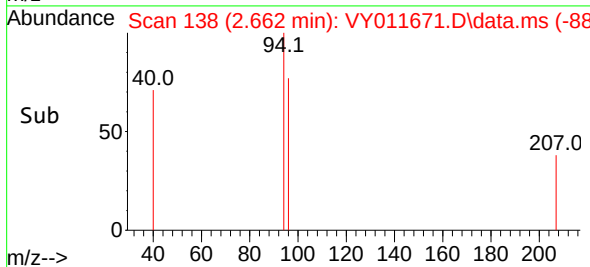
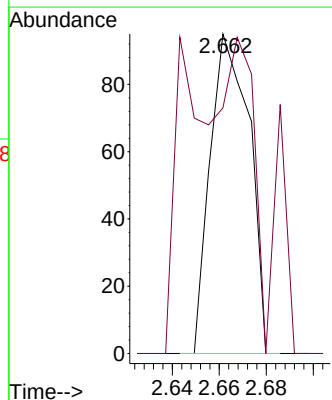
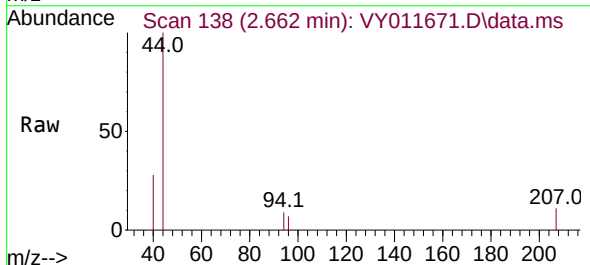
Instrument :
MSVOA_Y
ClientSampleId :
MH-17

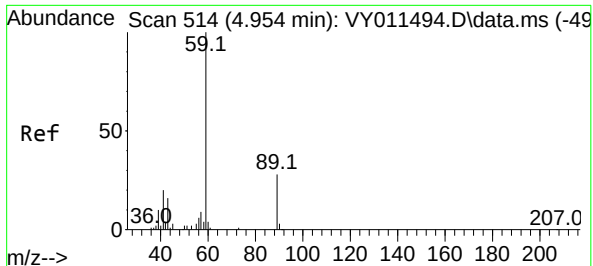
Tgt Ion: 50 Resp: 228
Ion Ratio Lower Upper
50 100
52 38.5 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

Tgt Ion: 94 Resp: 109
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.923 min Scan# 509

Delta R.T. -0.031 min

Lab File: VY011671.D

Acq: 01 Dec 2022 18:37

Instrument :

MSVOA_Y

ClientSampleId :

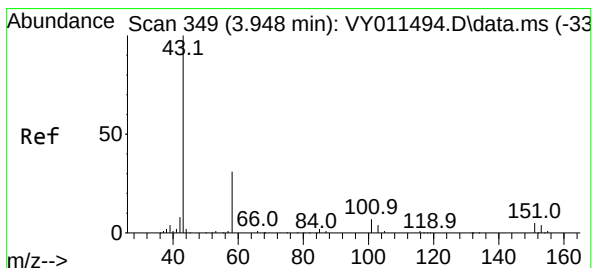
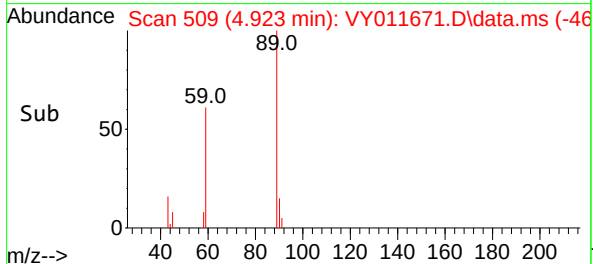
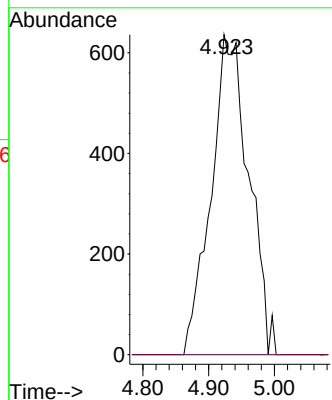
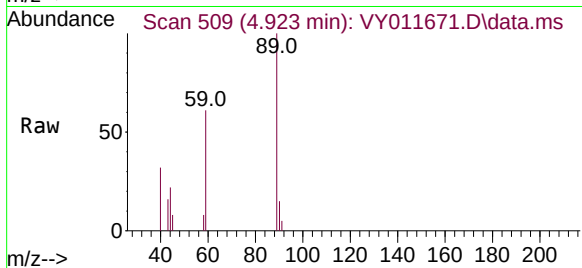
MH-17

Tgt Ion: 59 Resp: 2534

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.562 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY011671.D

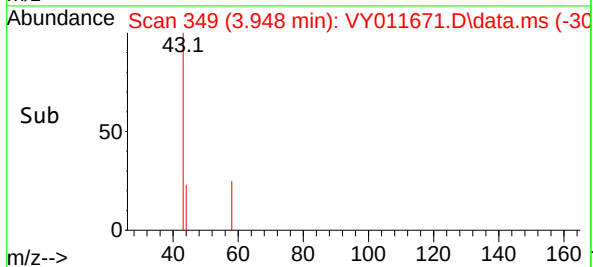
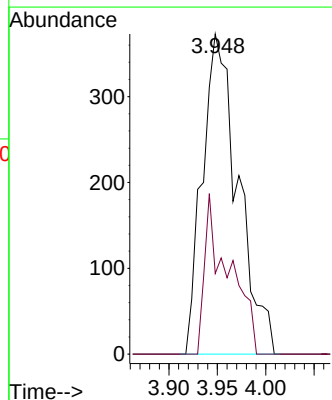
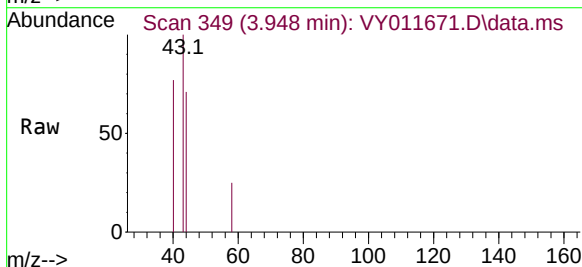
Acq: 01 Dec 2022 18:37

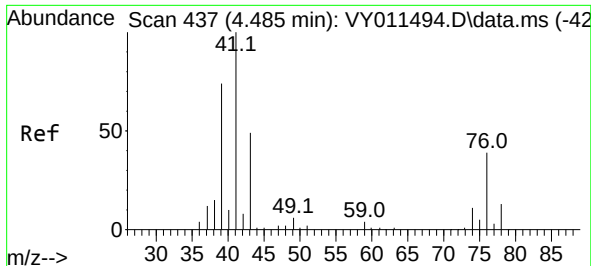
Tgt Ion: 43 Resp: 958

Ion Ratio Lower Upper

43 100

58 25.2 22.0 33.0

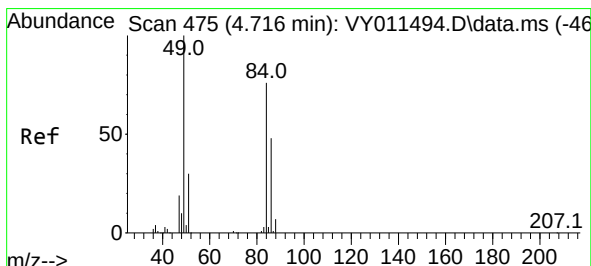
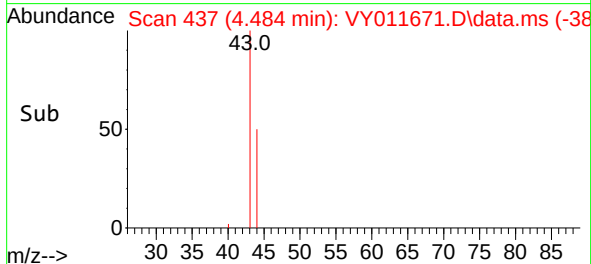
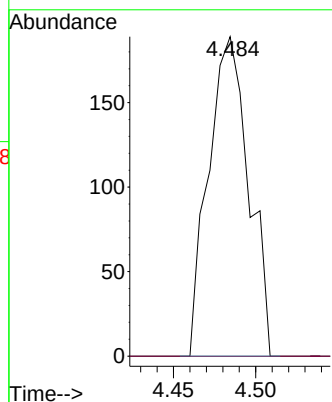
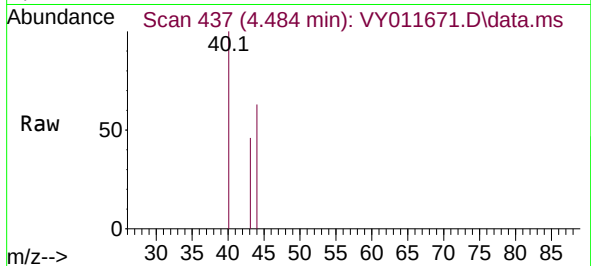




#18
Methyl Acetate
Concen: Below Cal
RT: 4.484 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

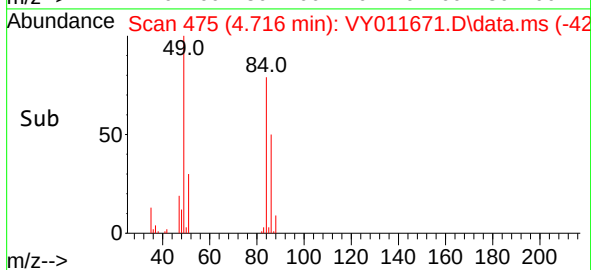
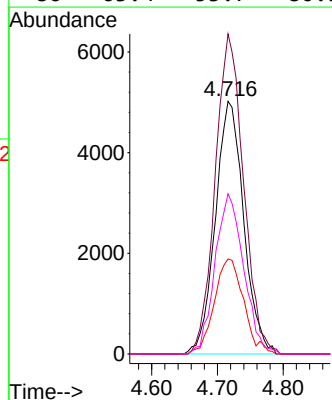
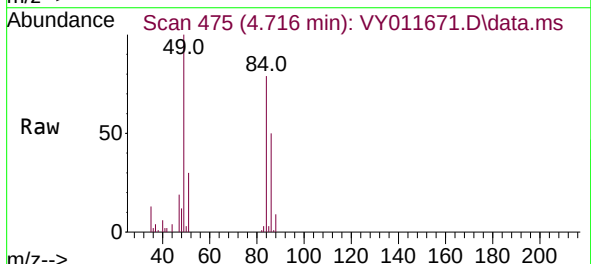
Instrument :
MSVOA_Y
ClientSampleId :
MH-17

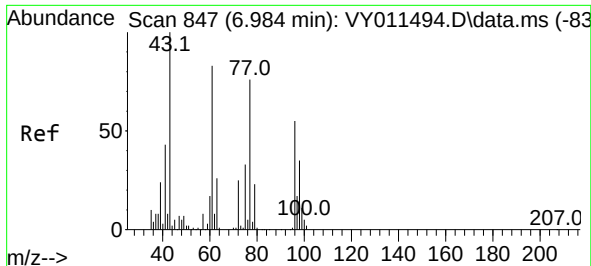
Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

Tgt Ion: 84 Resp: 15046
Ion Ratio Lower Upper
84 100
49 126.6 114.4 171.6
51 37.6 35.3 52.9
86 63.4 53.7 80.5

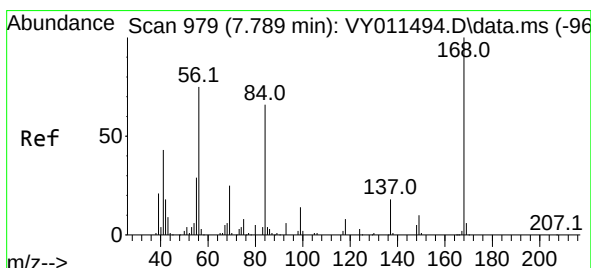
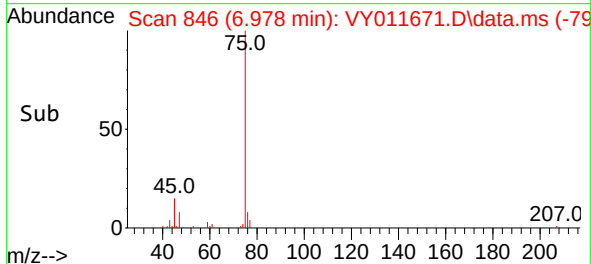
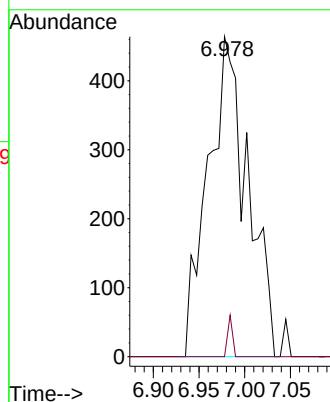
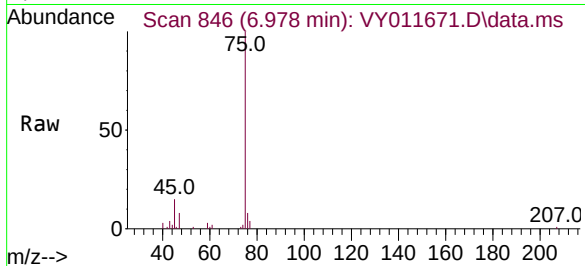




#25
2-Butanone
Concen: 1.733 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

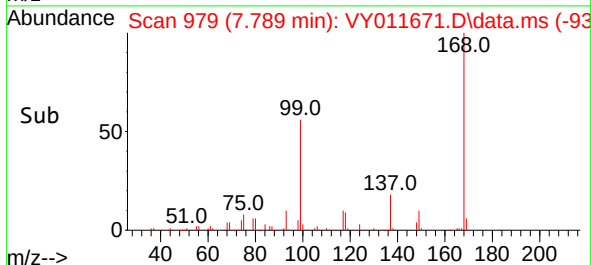
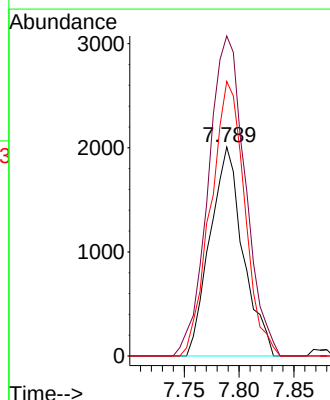
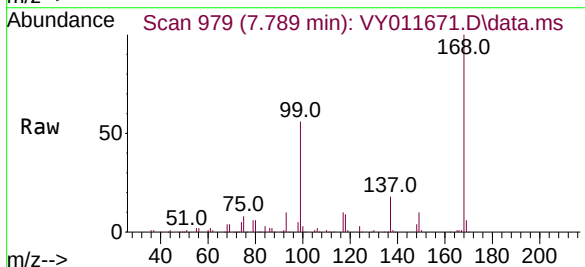
Instrument :
MSVOA_Y
ClientSampleId :
MH-17

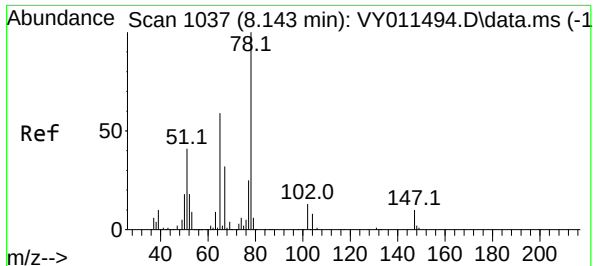
Tgt Ion: 43 Resp: 1397
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

Tgt Ion: 56 Resp: 4207
Ion Ratio Lower Upper
56 100
69 153.1 26.7 40.1#
84 131.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.361 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011671.D

Acq: 01 Dec 2022 18:37

Instrument :

MSVOA_Y

ClientSampleId :

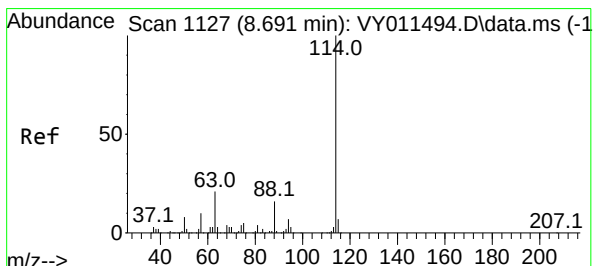
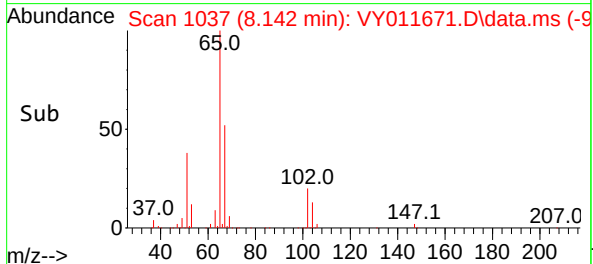
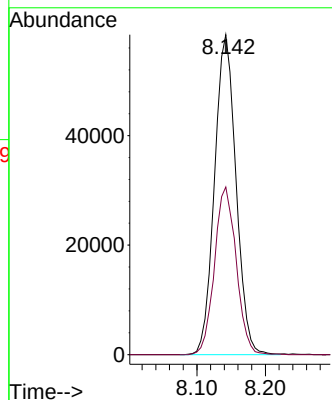
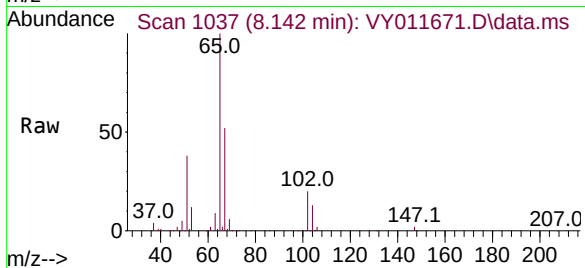
MH-17

Tgt Ion: 65 Resp: 127197

Ion Ratio Lower Upper

65 100

67 52.9 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: VY011671.D

Acq: 01 Dec 2022 18:37

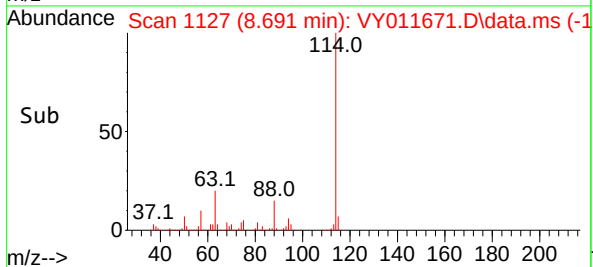
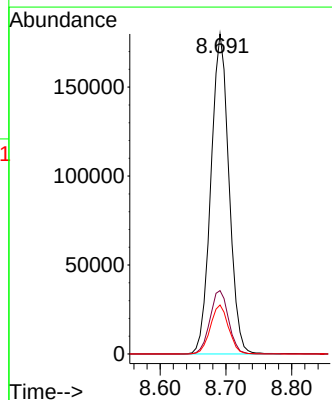
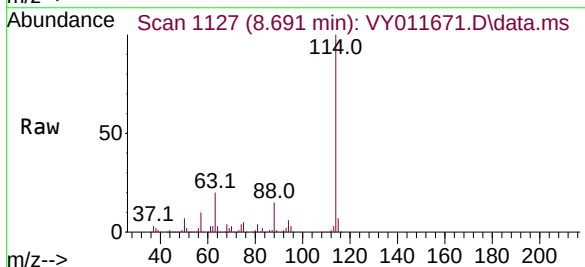
Tgt Ion: 114 Resp: 343469

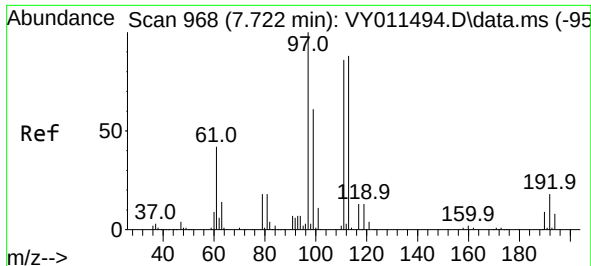
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.417 ug/l

RT: 7.722 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY011671.D

Acq: 01 Dec 2022 18:37

Instrument :

MSVOA_Y

ClientSampleId :

MH-17

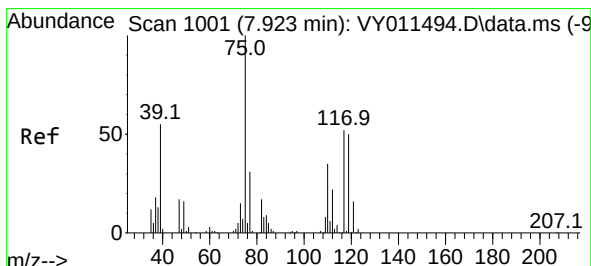
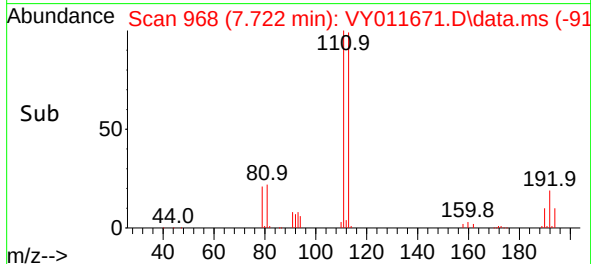
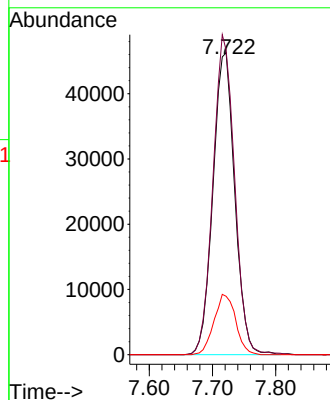
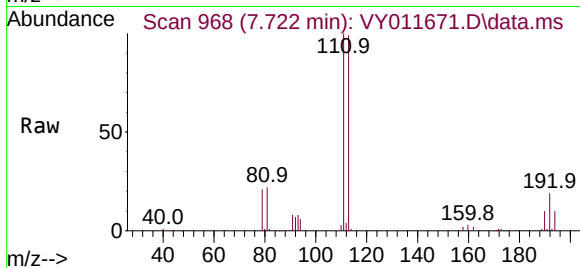
Tgt Ion:113 Resp: 110830

Ion Ratio Lower Upper

113 100

111 104.6 82.6 124.0

192 19.8 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.498 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY011671.D

Acq: 01 Dec 2022 18:37

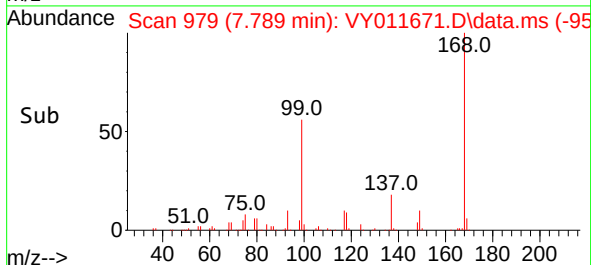
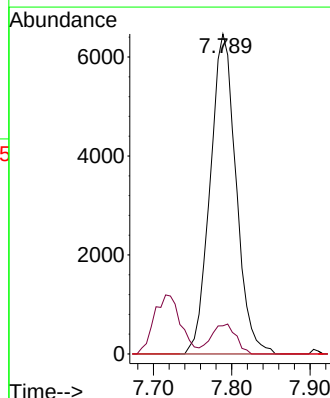
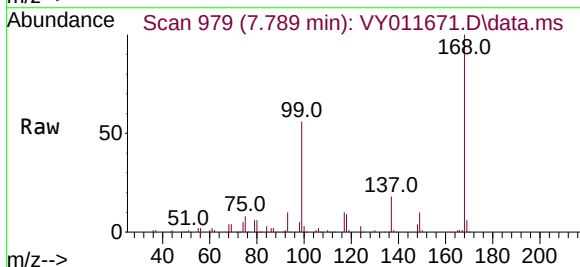
Tgt Ion: 75 Resp: 14867

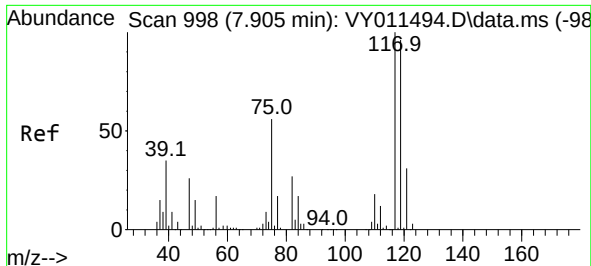
Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.4 36.6#

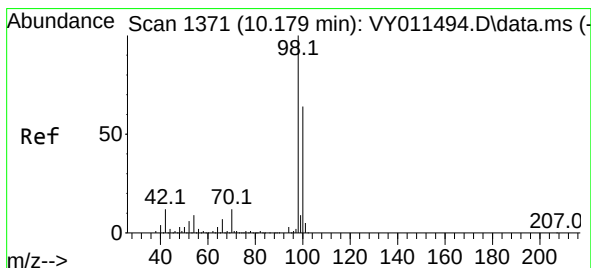
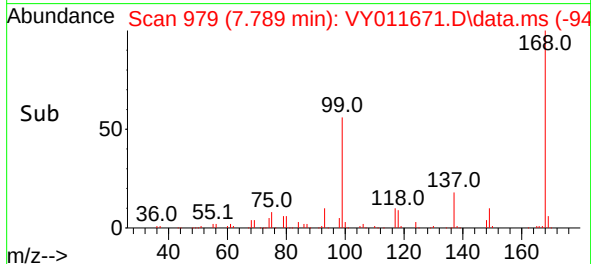
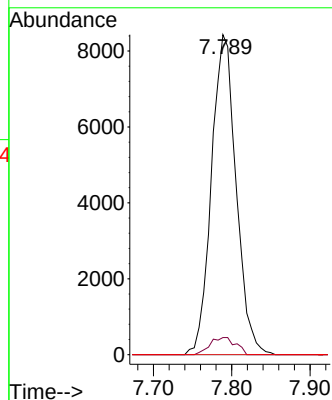
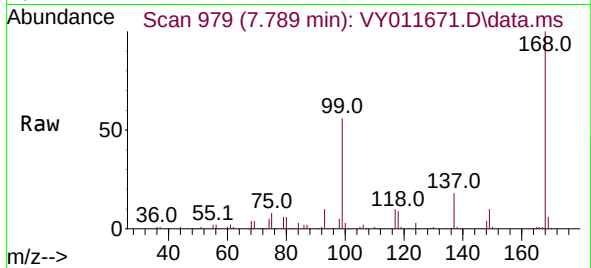




#38
Carbon Tetrachloride
Concen: 4.992 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

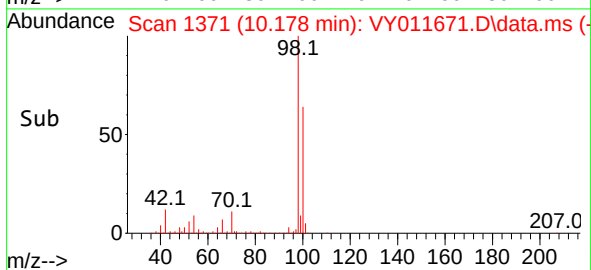
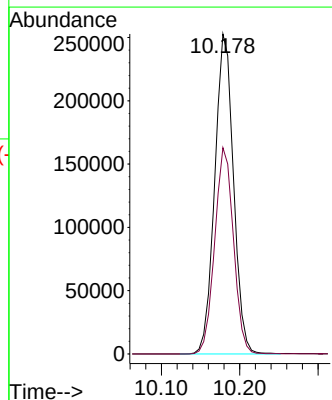
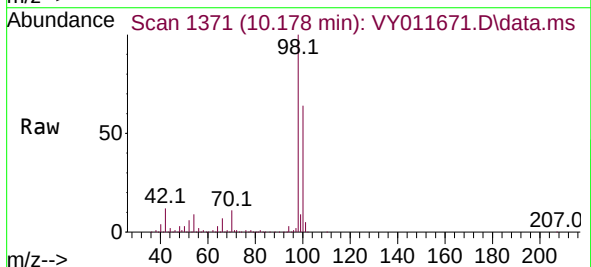
Instrument :
MSVOA_Y
ClientSampleId :
MH-17

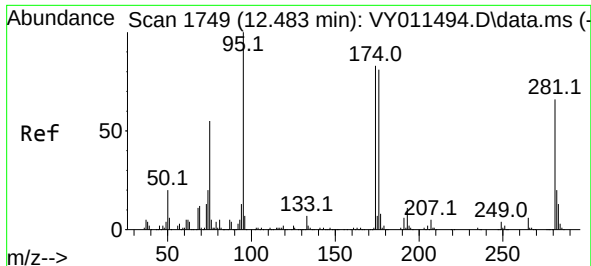
Tgt Ion:117 Resp: 18457
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.757 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

Tgt Ion: 98 Resp: 420718
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

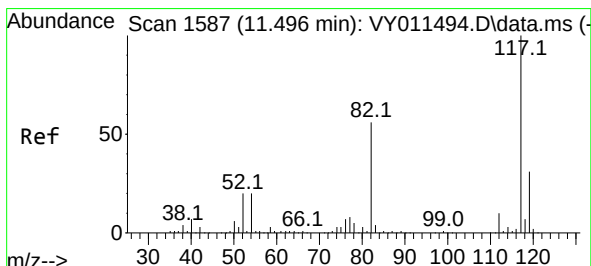
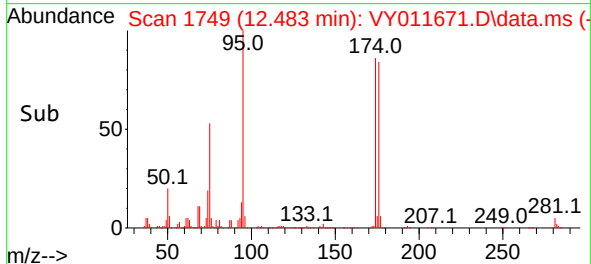
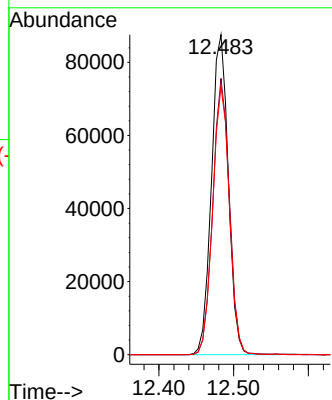
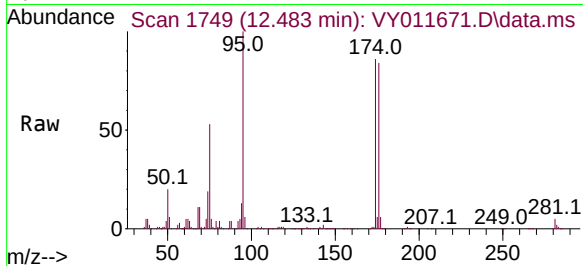




#62
4-Bromofluorobenzene
Concen: 48.149 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

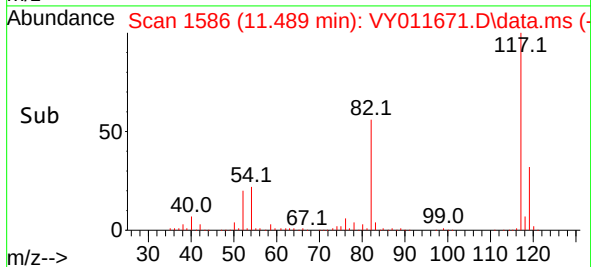
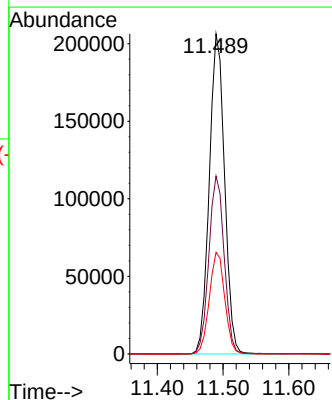
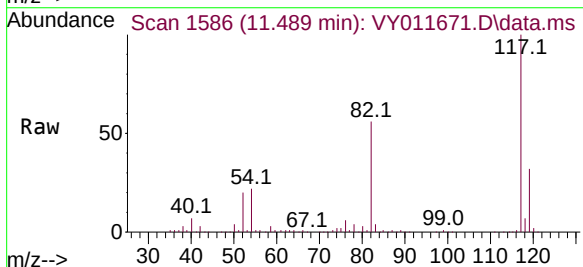
Instrument :
MSVOA_Y
ClientSampleId :
MH-17

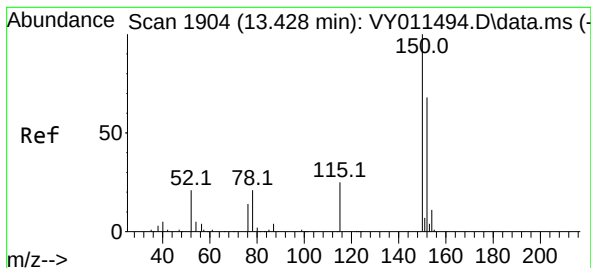
Tgt Ion: 95 Resp: 136782
Ion Ratio Lower Upper
95 100
174 85.4 0.0 177.0
176 83.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

Tgt Ion: 117 Resp: 333538
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 31.8 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: VY011671.D

Acq: 01 Dec 2022 18:37

Instrument :

MSVOA_Y

ClientSampleId :

MH-17

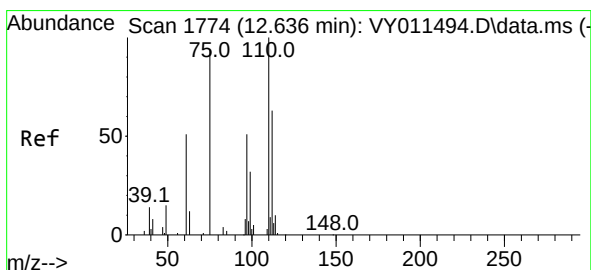
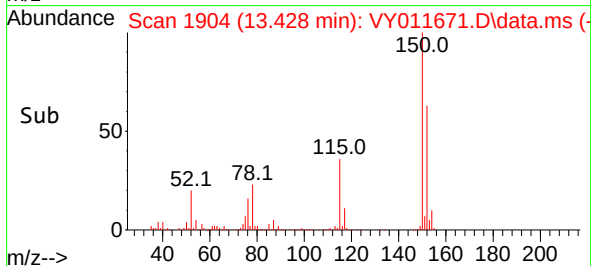
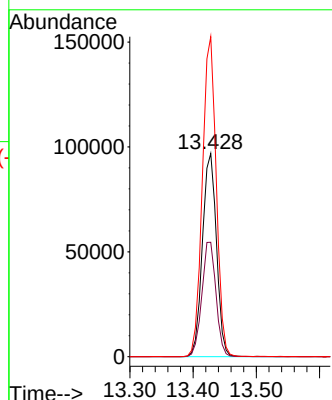
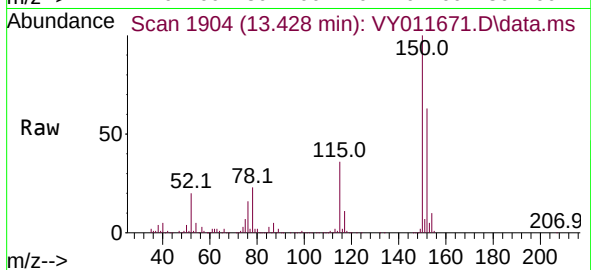
Tgt Ion:152 Resp: 149764

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

150 155.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 45.082 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011671.D

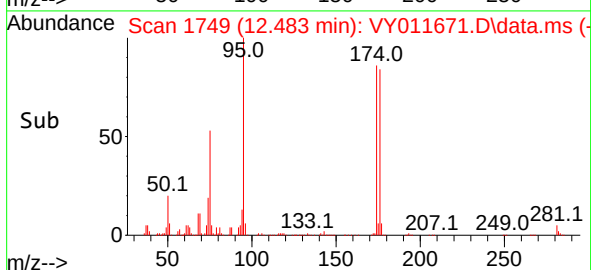
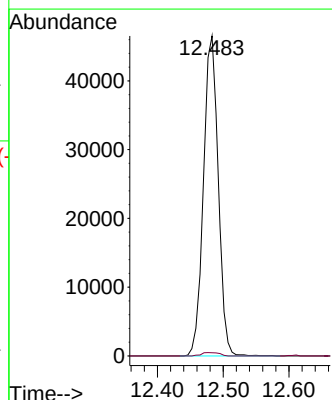
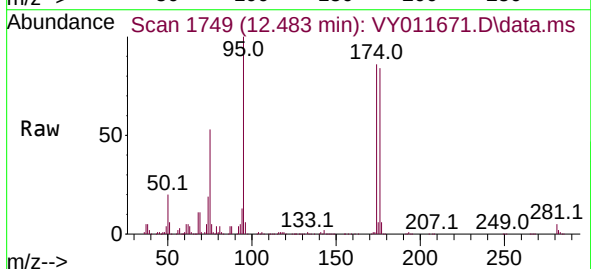
Acq: 01 Dec 2022 18:37

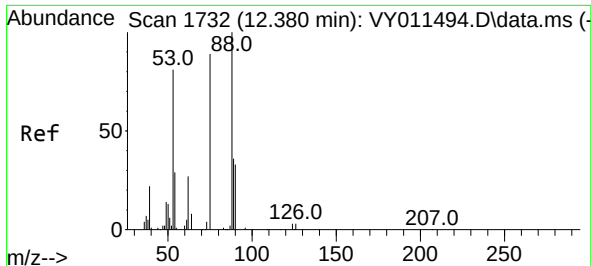
Tgt Ion: 75 Resp: 72711

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

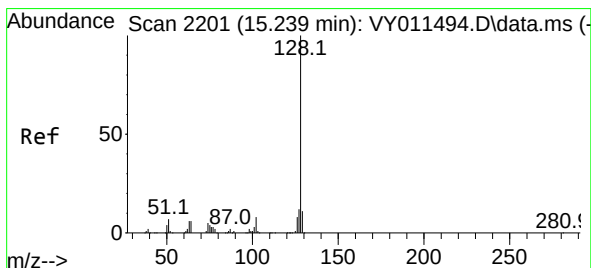
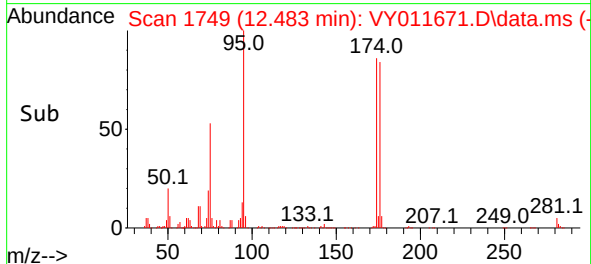
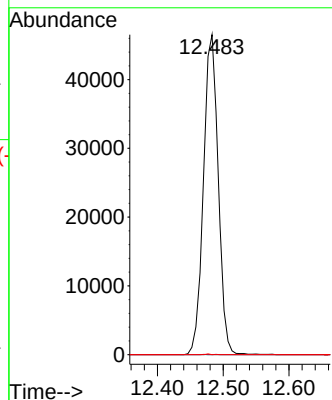
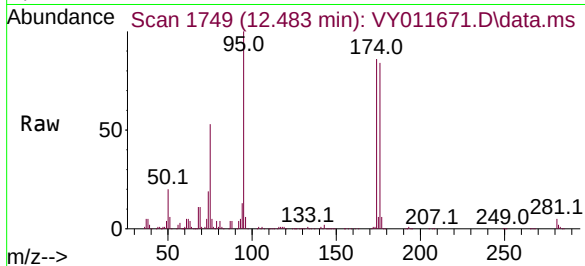




#81
trans-1,4-Dichloro-2-butene
Concen: 98.745 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

Instrument :
MSVOA_Y
ClientSampleId :
MH-17

Tgt Ion: 75 Resp: 72711
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.064 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.007 min
Lab File: VY011671.D
Acq: 01 Dec 2022 18:37

Tgt Ion: 128 Resp: 250
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

