

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112822\
 Data File : VY011597.D
 Acq On : 28 Nov 2022 12:49
 Operator : KP/MD
 Sample : N5758-01
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-13

Quant Time: Nov 29 00:25:12 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)

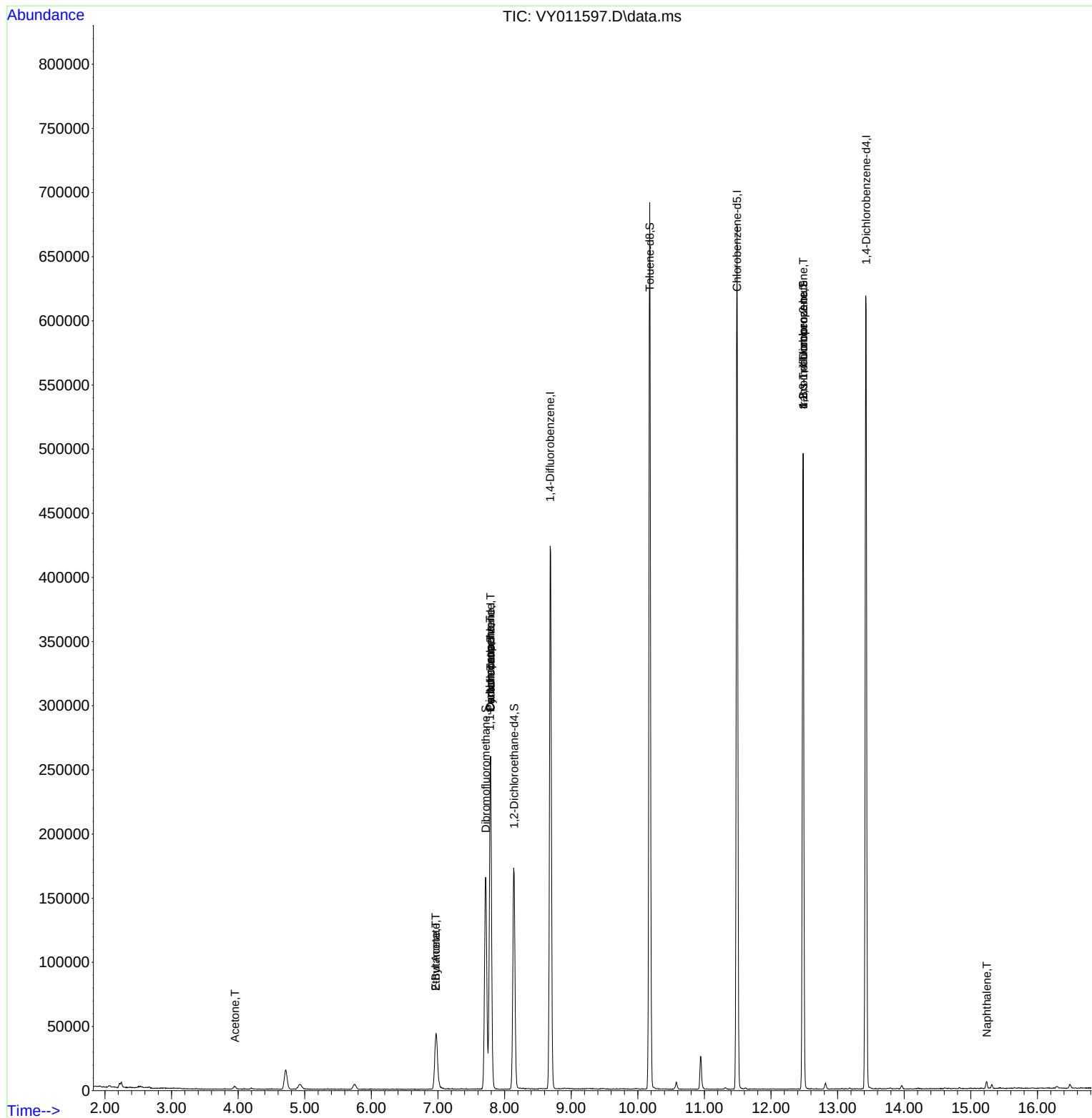
Internal Standards						
1) Pentafluorobenzene	7.789	168	196964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	359834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	349537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	160708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	136177	68.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.180%
35) Dibromofluoromethane	7.716	113	117843	53.200	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.400%
50) Toluene-d8	10.179	98	439087	54.548	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.100%
62) 4-Bromofluorobenzene	12.483	95	148999	50.064	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.120%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	155	Below Cal	#	45
3) Chloromethane	2.113	50	286	Below Cal	#	55
5) Bromomethane	2.662	94	317	Below Cal	#	73
11) Tert butyl alcohol	4.936	59	4875	Below Cal	#	79
16) Acetone	3.954	43	3938	6.062	ug/l	93
18) Methyl Acetate	4.479	43	380	Below Cal	#	56
20) Methylene Chloride	4.716	84	11159	Below Cal		93
25) 2-Butanone	6.966	43	2534	2.968	ug/l #	89
31) Cyclohexane	7.789	56	4365	1.317	ug/l #	4
36) 1,1-Dichloropropene	7.783	75	15595	4.504	ug/l #	51
37) Ethyl Acetate	6.966	43	2534	1.285	ug/l #	1
38) Carbon Tetrachloride	7.789	117	20694	5.342	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	78266	45.222	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	78266	99.051	ug/l #	7
95) Naphthalene	15.239	128	4650	4.771	ug/l	95

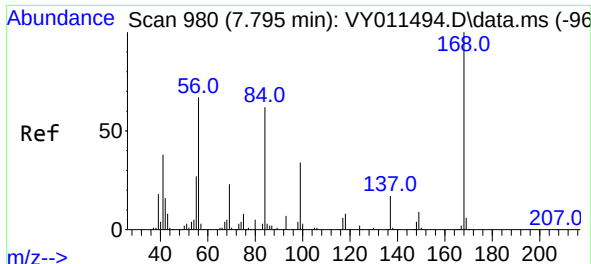
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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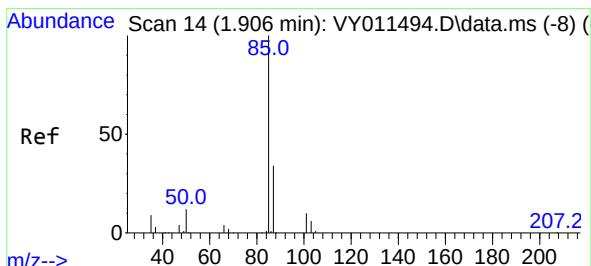
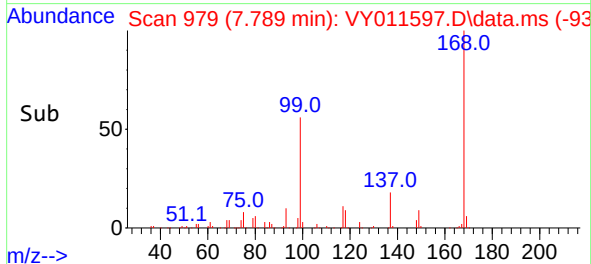
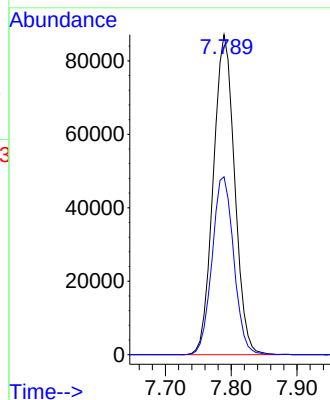
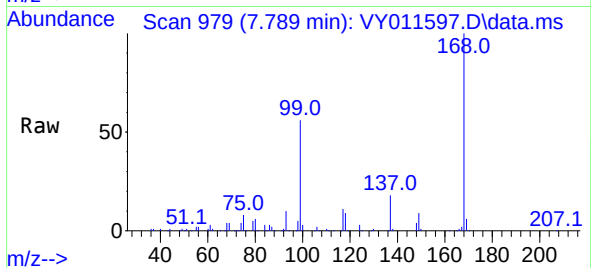




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

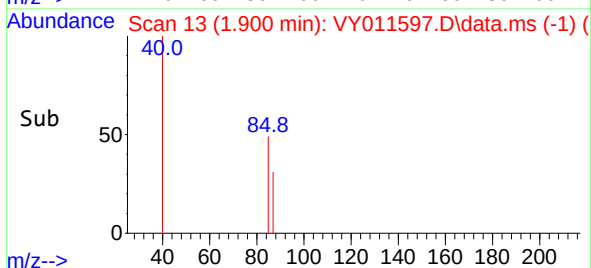
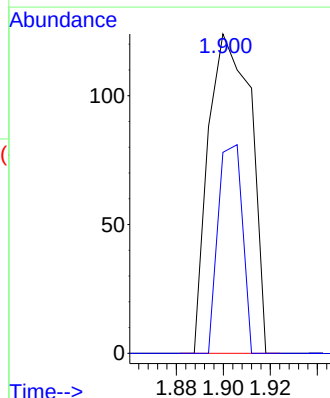
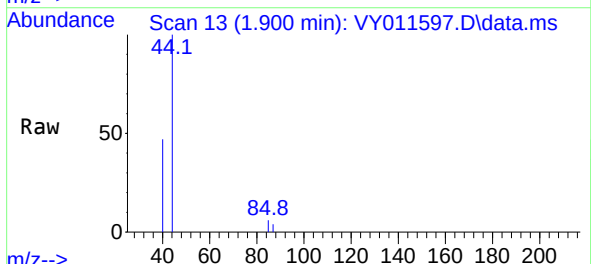
Instrument :
MSVOA_Y
ClientSampleId :
MH-13

Tgt Ion:168 Resp: 196964
Ion Ratio Lower Upper
168 100
99 55.6 46.9 70.3

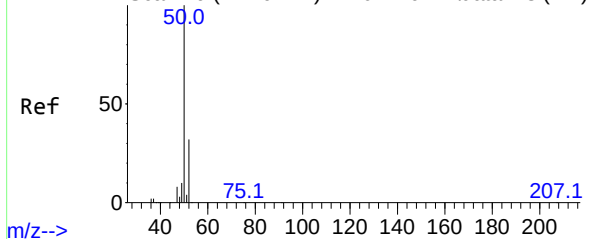


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

Tgt Ion: 85 Resp: 155
Ion Ratio Lower Upper
85 100
87 62.9 16.1 48.2#



Abundance Scan 49 (2.119 min): VY011494.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

Instrument :

MSVOA_Y

ClientSampleId :

MH-13

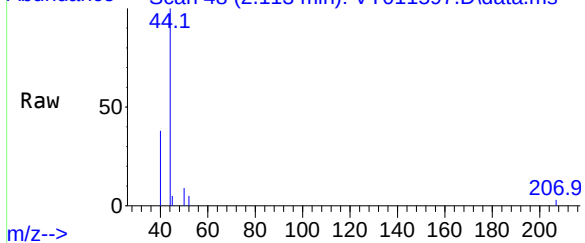
Tgt Ion: 50 Resp: 286

Ion Ratio Lower Upper

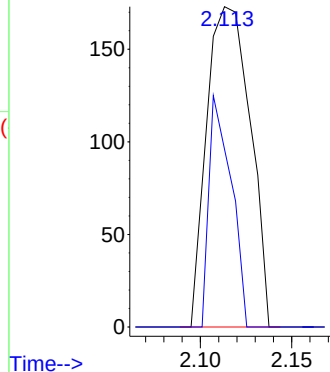
50 100

52 55.5 24.6 37.0#

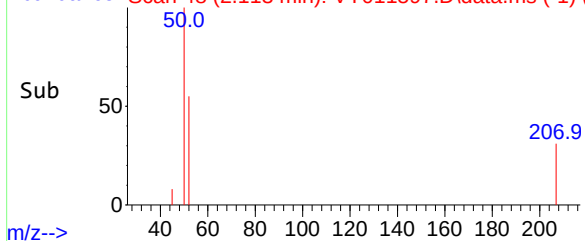
Abundance Scan 48 (2.113 min): VY011597.D\data.ms



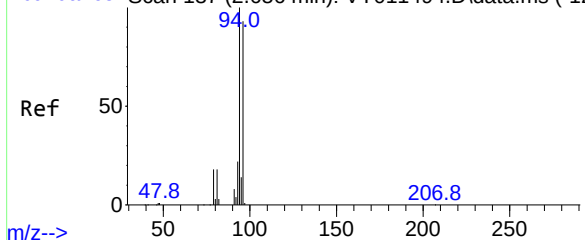
Abundance



Abundance Scan 48 (2.113 min): VY011597.D\data.ms (-1)



Abundance Scan 137 (2.656 min): VY011494.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.006 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

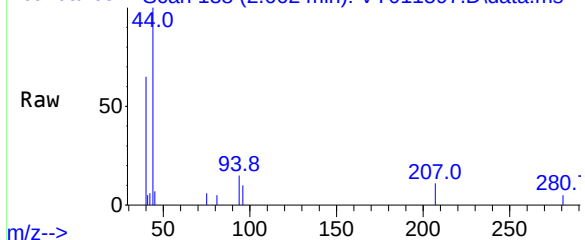
Tgt Ion: 94 Resp: 317

Ion Ratio Lower Upper

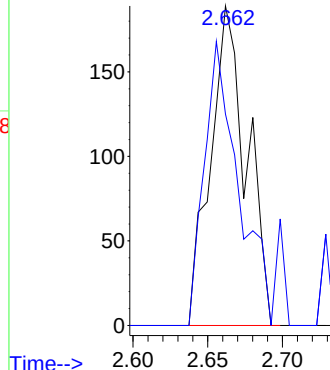
94 100

96 66.1 73.5 110.3#

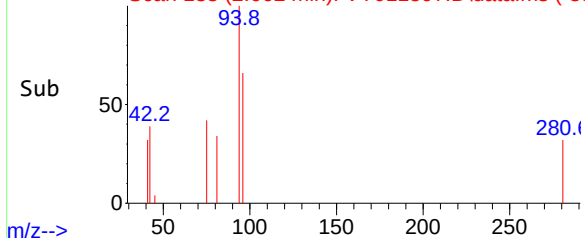
Abundance Scan 138 (2.662 min): VY011597.D\data.ms

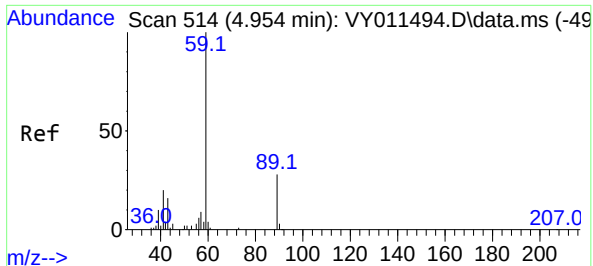


Abundance



Abundance Scan 138 (2.662 min): VY011597.D\data.ms (-88)





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.018 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

Instrument :

MSVOA_Y

ClientSampleId :

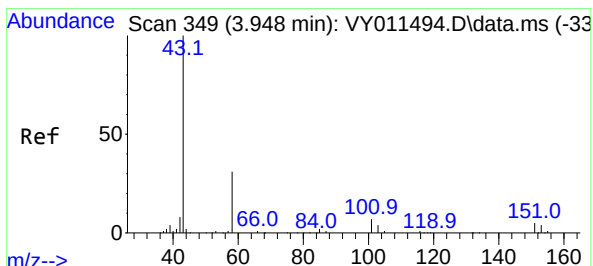
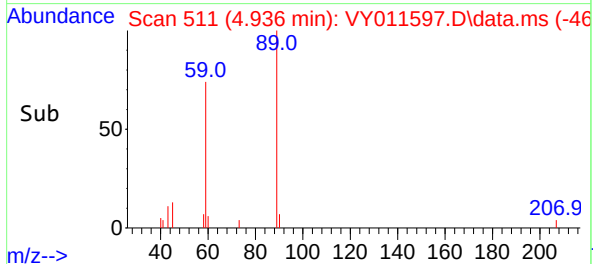
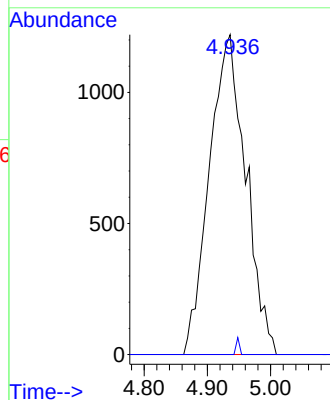
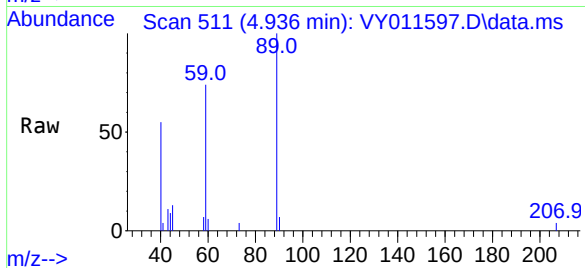
MH-13

Tgt Ion: 59 Resp: 4875

Ion Ratio Lower Upper

59 100

57 0.5 6.4 9.6#



#16

Acetone

Concen: 6.062 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011597.D

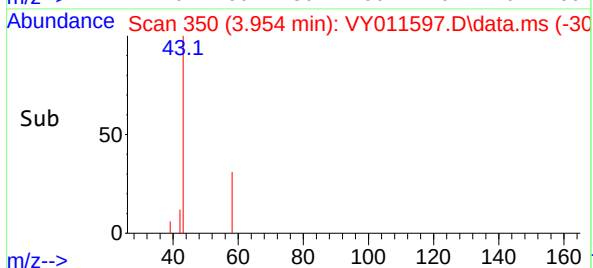
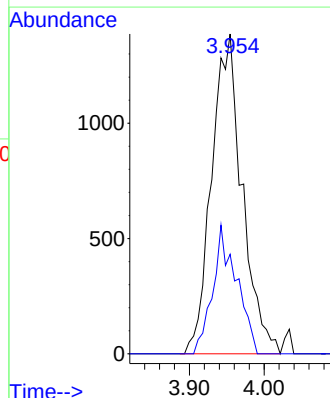
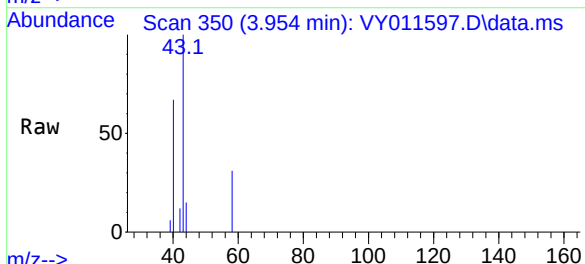
Acq: 28 Nov 2022 12:49

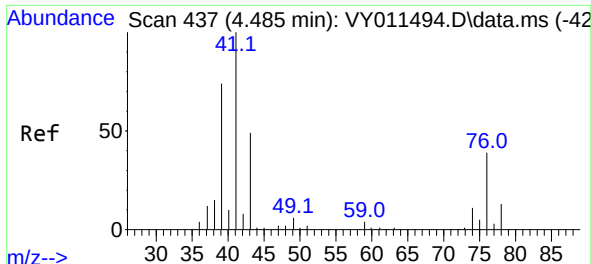
Tgt Ion: 43 Resp: 3938

Ion Ratio Lower Upper

43 100

58 31.1 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

Instrument :

MSVOA_Y

ClientSampleId :

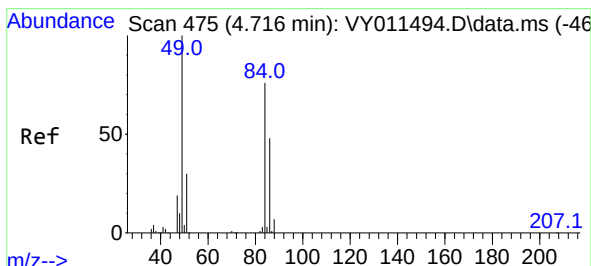
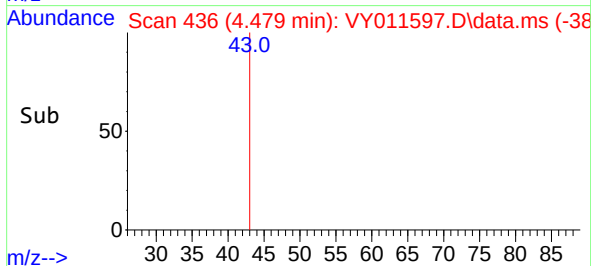
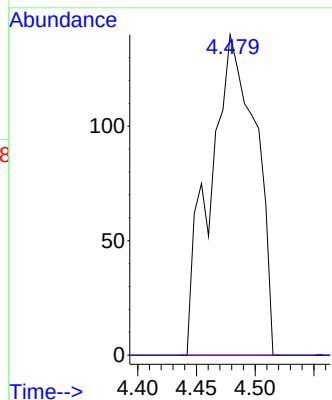
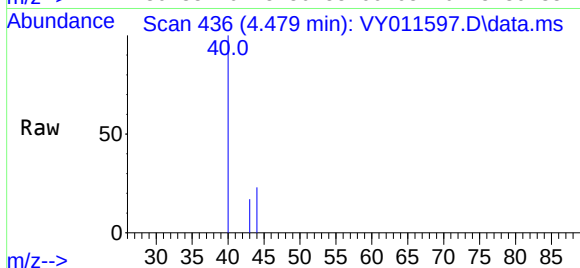
MH-13

Tgt Ion: 43 Resp: 380

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: VY011597.D

Acq: 28 Nov 2022 12:49

Tgt Ion: 84 Resp: 11159

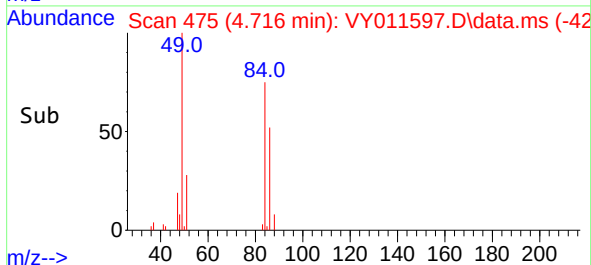
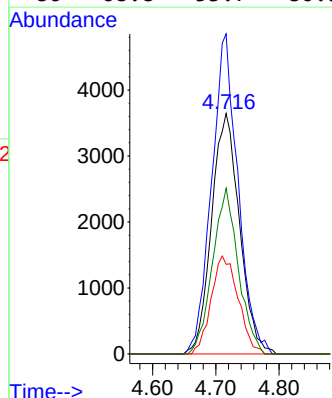
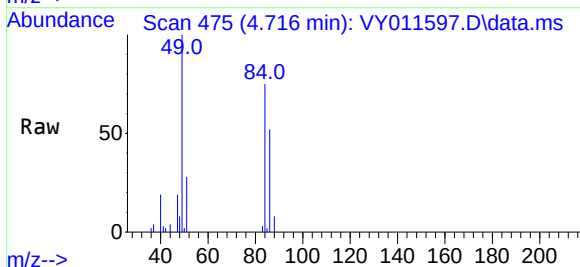
Ion Ratio Lower Upper

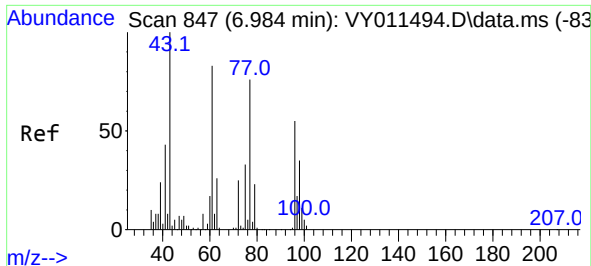
84 100

49 133.1 114.4 171.6

51 37.3 35.3 52.9

86 68.8 53.7 80.5





#25

2-Butanone

Concen: 2.968 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

Instrument :

MSVOA_Y

ClientSampleId :

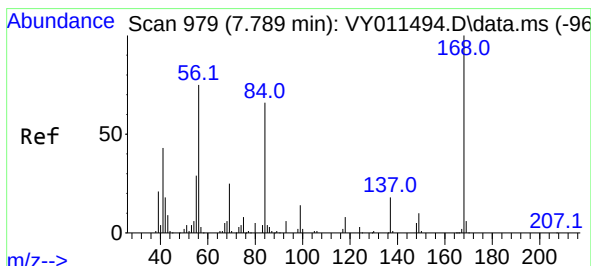
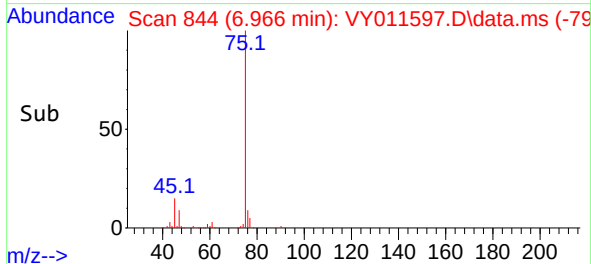
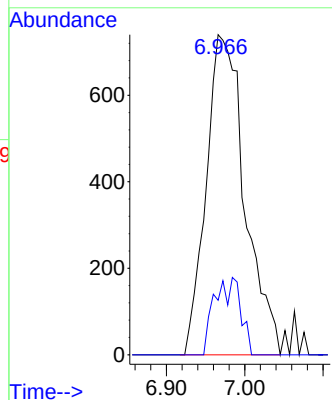
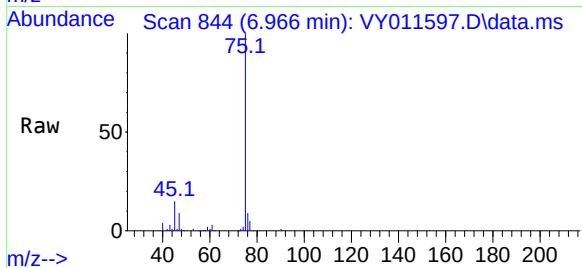
MH-13

Tgt Ion: 43 Resp: 2534

Ion Ratio Lower Upper

43 100

72 17.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.317 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

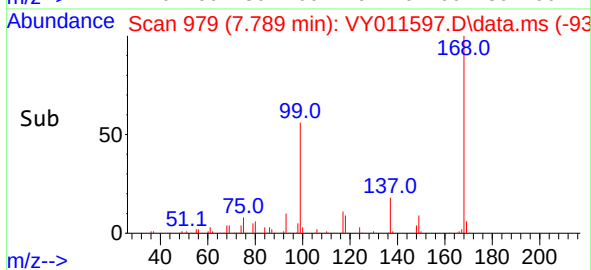
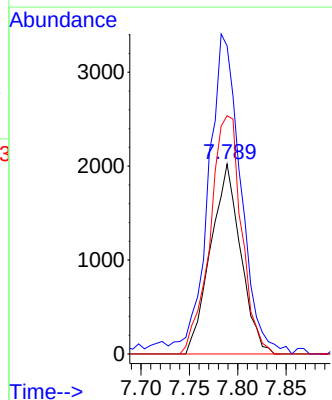
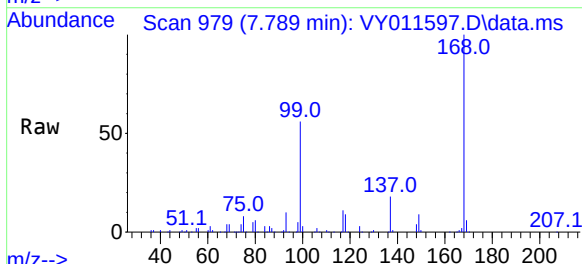
Tgt Ion: 56 Resp: 4365

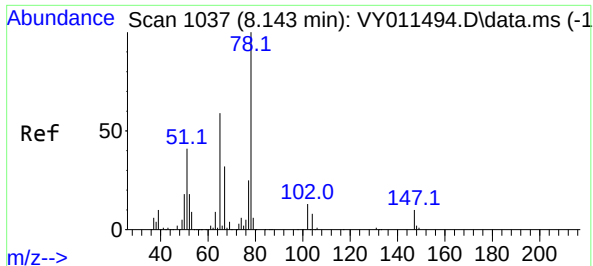
Ion Ratio Lower Upper

56 100

69 159.4 26.7 40.1#

84 125.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 68.090 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

Instrument :

MSVOA_Y

ClientSampleId :

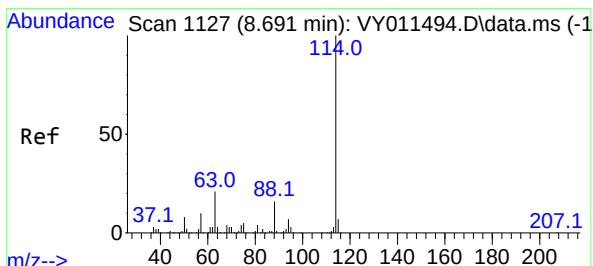
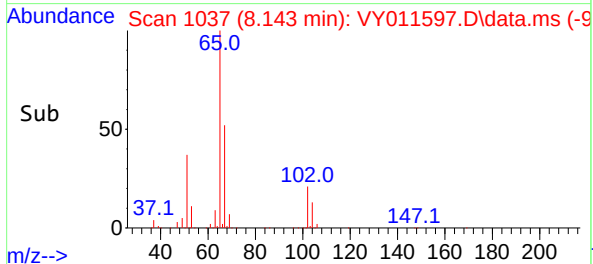
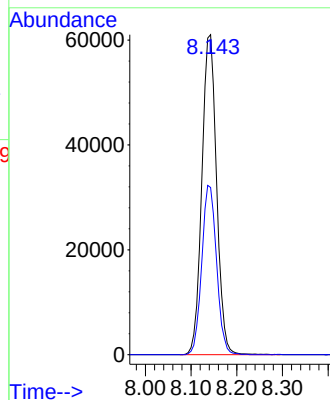
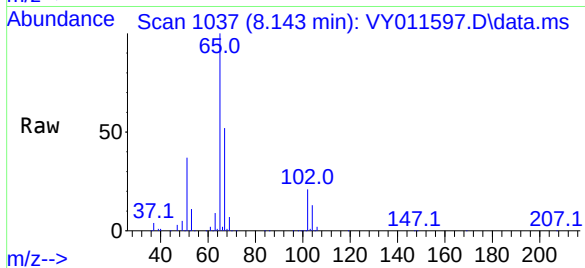
MH-13

Tgt Ion: 65 Resp: 136177

Ion Ratio Lower Upper

65 100

67 53.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

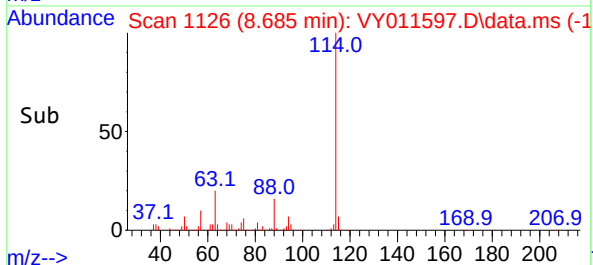
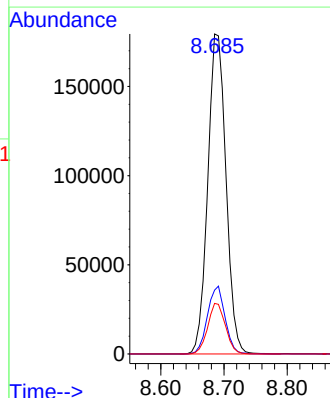
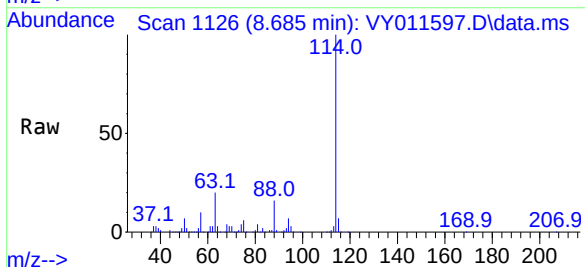
Tgt Ion: 114 Resp: 359834

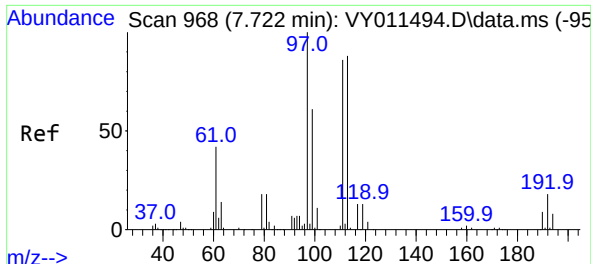
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.8 0.0 31.8

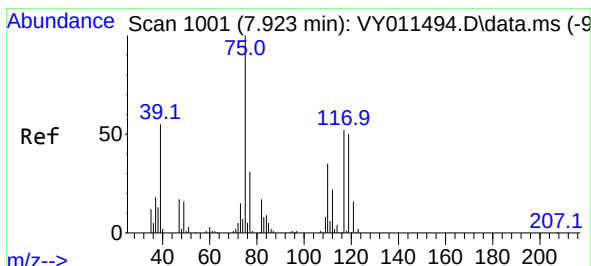
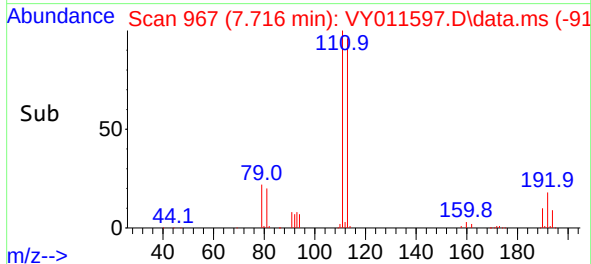
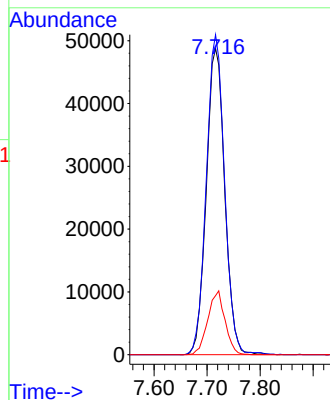
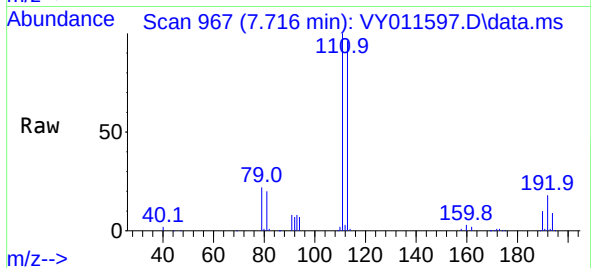




#35
Dibromofluoromethane
Concen: 53.200 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

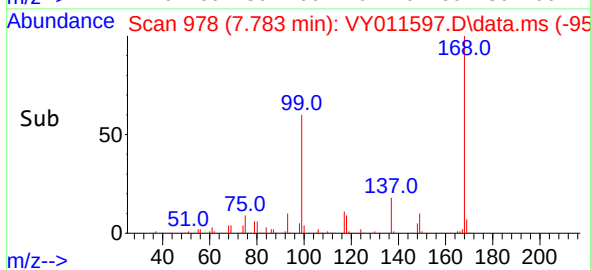
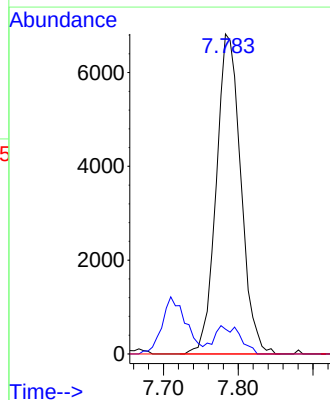
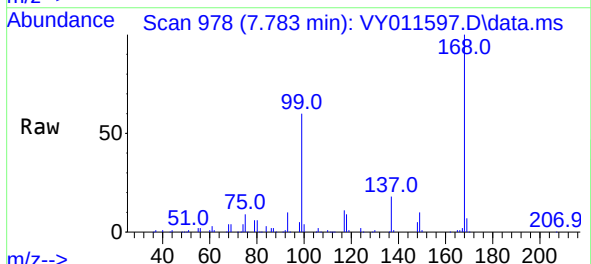
Instrument :
MSVOA_Y
ClientSampleId :
MH-13

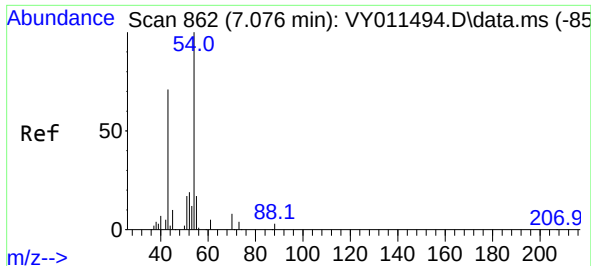
Tgt Ion:113 Resp: 117843
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.504 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

Tgt Ion: 75 Resp: 15595
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.285 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.110 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

Instrument :

MSVOA_Y

ClientSampleId :

MH-13

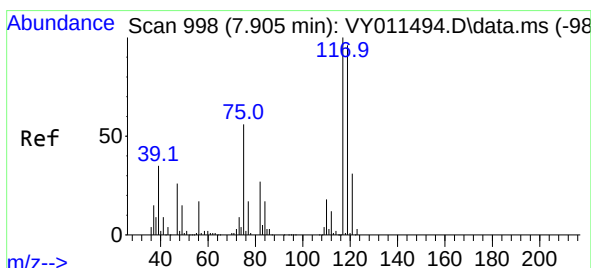
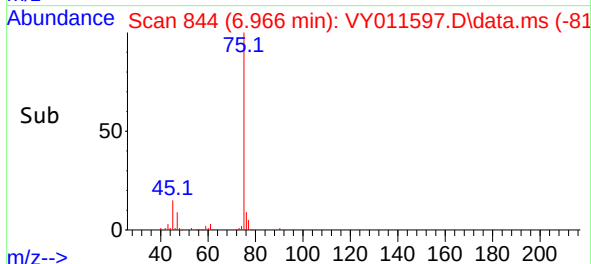
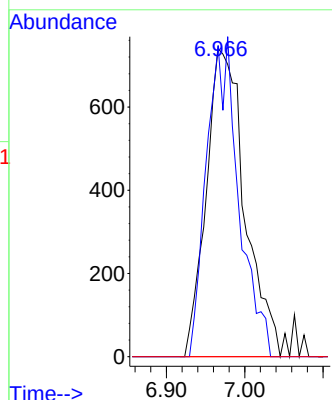
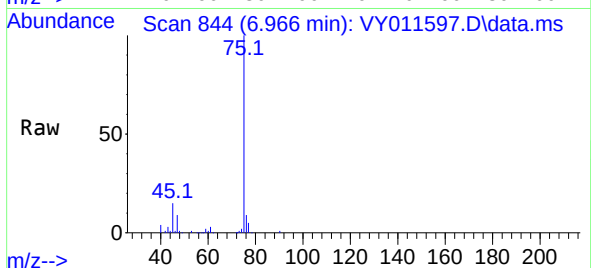
Tgt Ion: 43 Resp: 2534

Ion Ratio Lower Upper

43 100

61 86.2 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.342 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011597.D

Acq: 28 Nov 2022 12:49

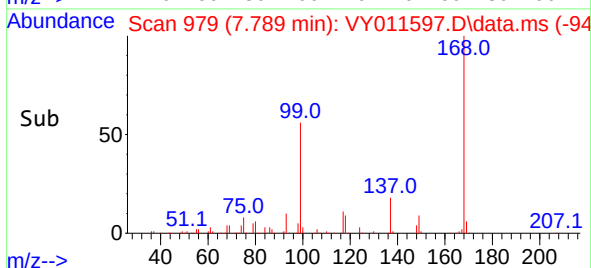
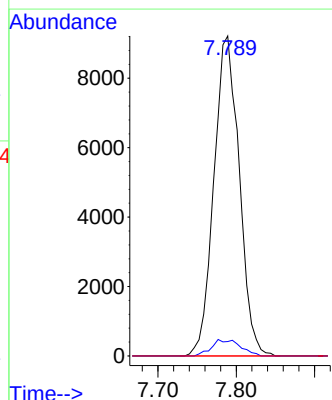
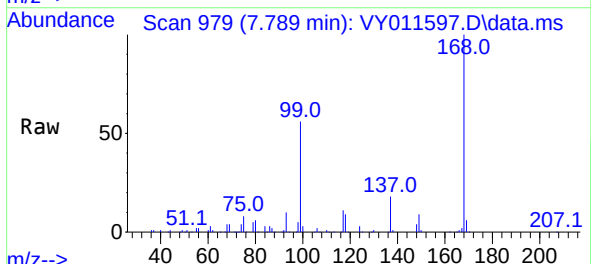
Tgt Ion: 117 Resp: 20694

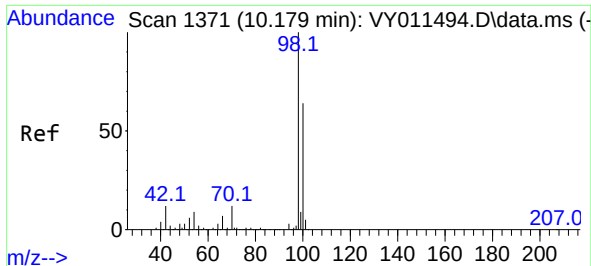
Ion Ratio Lower Upper

117 100

119 4.5 77.9 116.9#

121 0.0 24.8 37.2#

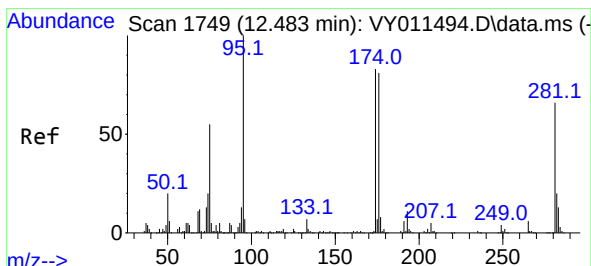
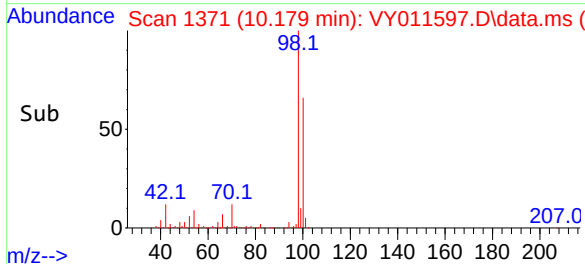
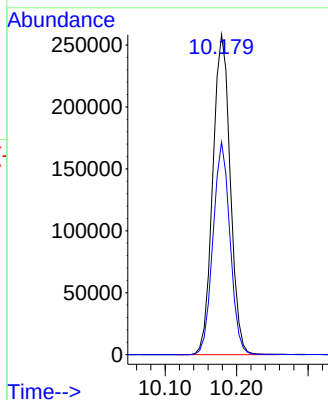
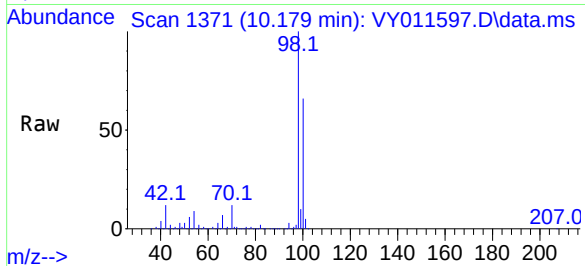




#50
Toluene-d8
Concen: 54.548 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

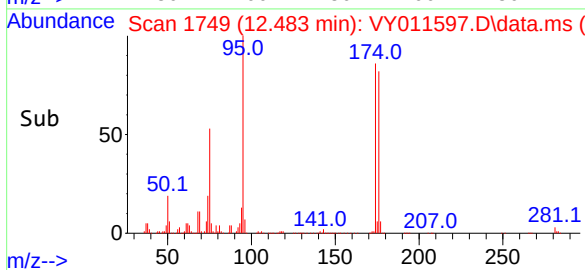
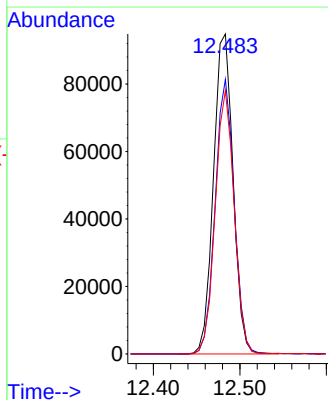
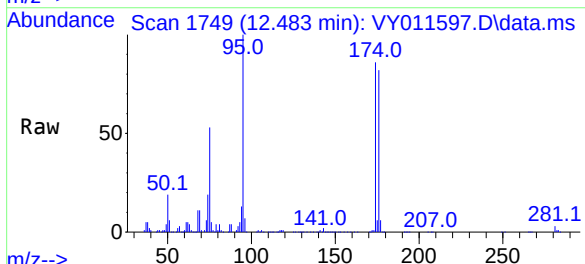
Instrument :
MSVOA_Y
ClientSampleId :
MH-13

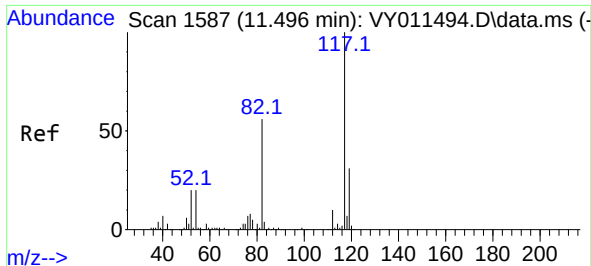
Tgt Ion: 98 Resp: 439087
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 50.064 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

Tgt Ion: 95 Resp: 148999
Ion Ratio Lower Upper
95 100
174 83.4 0.0 177.0
176 79.8 0.0 175.8

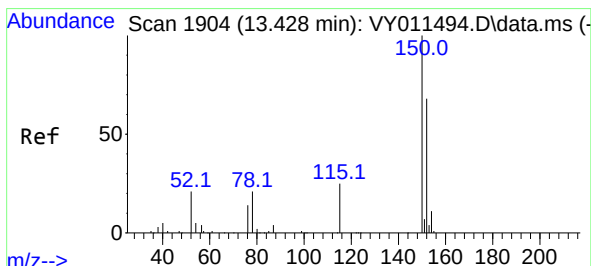
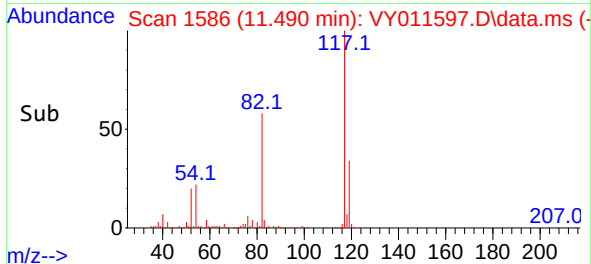
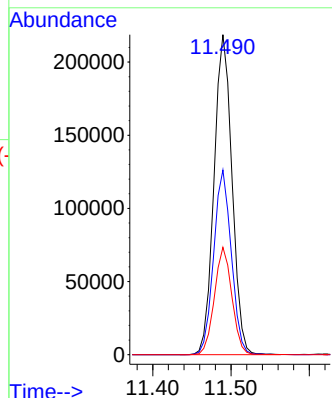
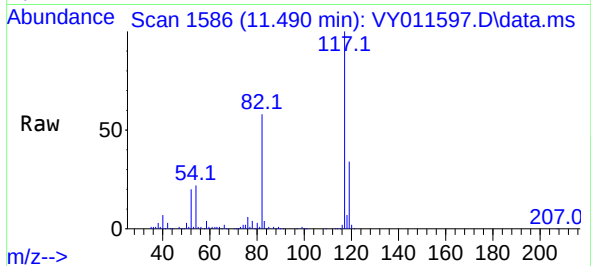




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

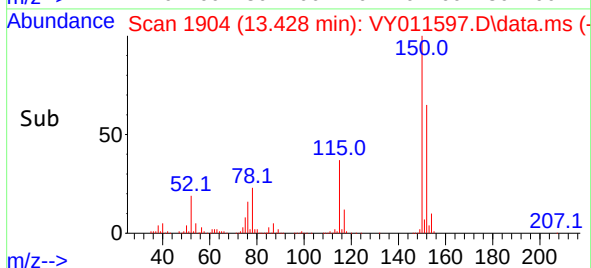
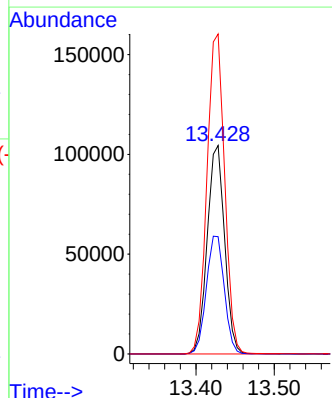
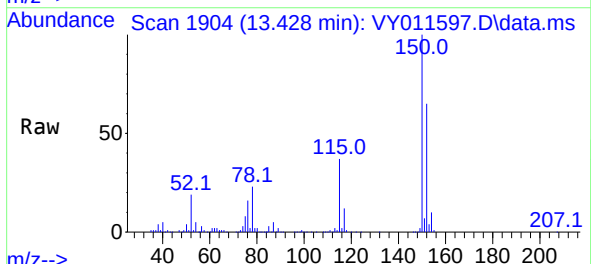
Instrument :
MSVOA_Y
ClientSampleId :
MH-13

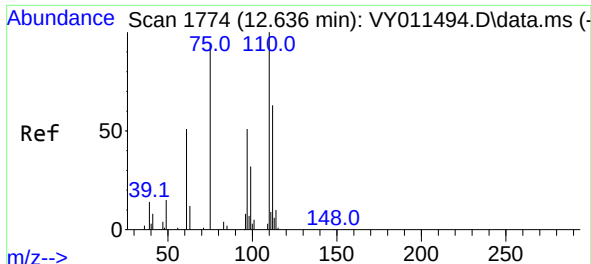
Tgt Ion:117 Resp: 349537
Ion Ratio Lower Upper
117 100
82 57.7 43.0 64.4
119 33.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

Tgt Ion:152 Resp: 160708
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 156.4 0.0 347.6

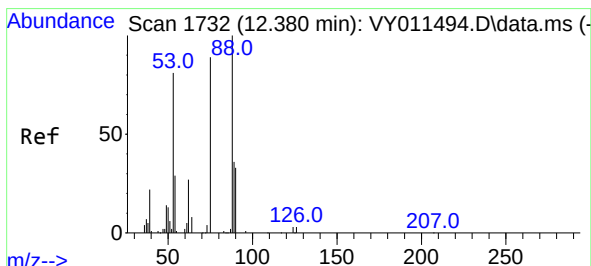
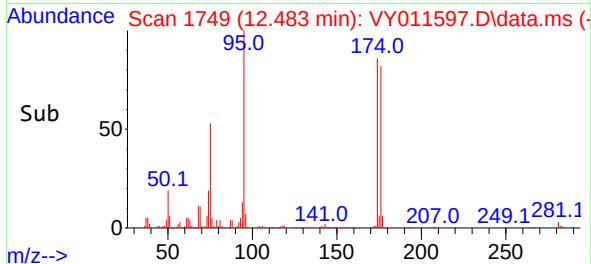
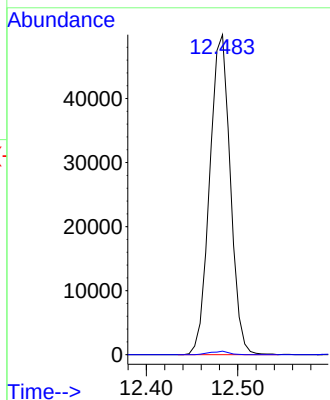
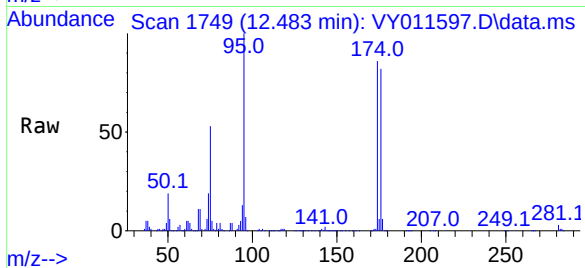




#76
1,2,3-Trichloropropane
Concen: 45.222 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

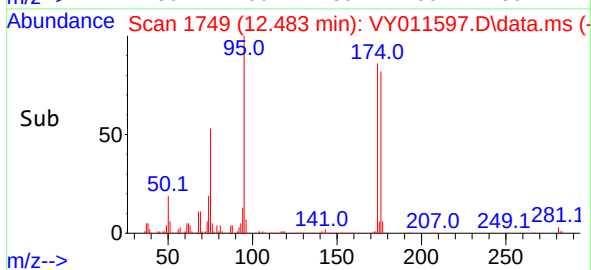
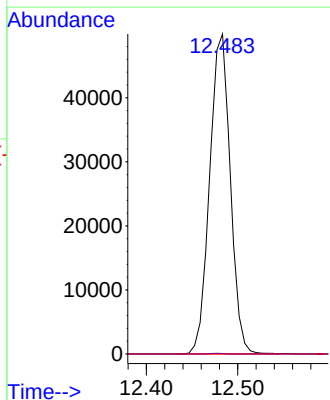
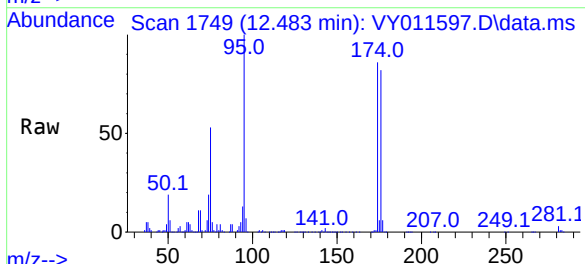
Instrument :
MSVOA_Y
ClientSampleId :
MH-13

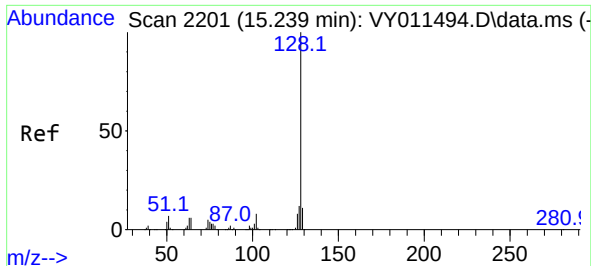
Tgt Ion: 75 Resp: 78266
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.051 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

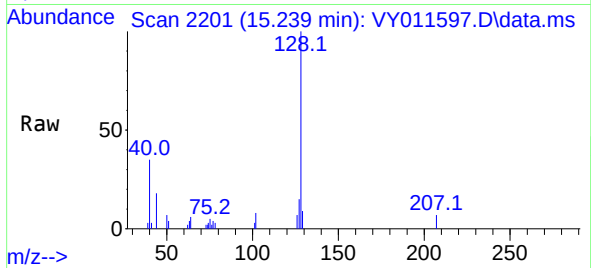
Tgt Ion: 75 Resp: 78266
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.771 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011597.D
Acq: 28 Nov 2022 12:49

Instrument :
MSVOA_Y
ClientSampleId :
MH-13



Tgt Ion:	128	Resp:	4650
Ion	Ratio	Lower	Upper
128	100		
127	16.1	11.0	16.4
129	9.1	8.4	12.6

