

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017980.D
 Acq On : 18 Apr 2024 16:50
 Operator : SY/MD
 Sample : P2125-01
 Misc : 4.67g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 19 02:03:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

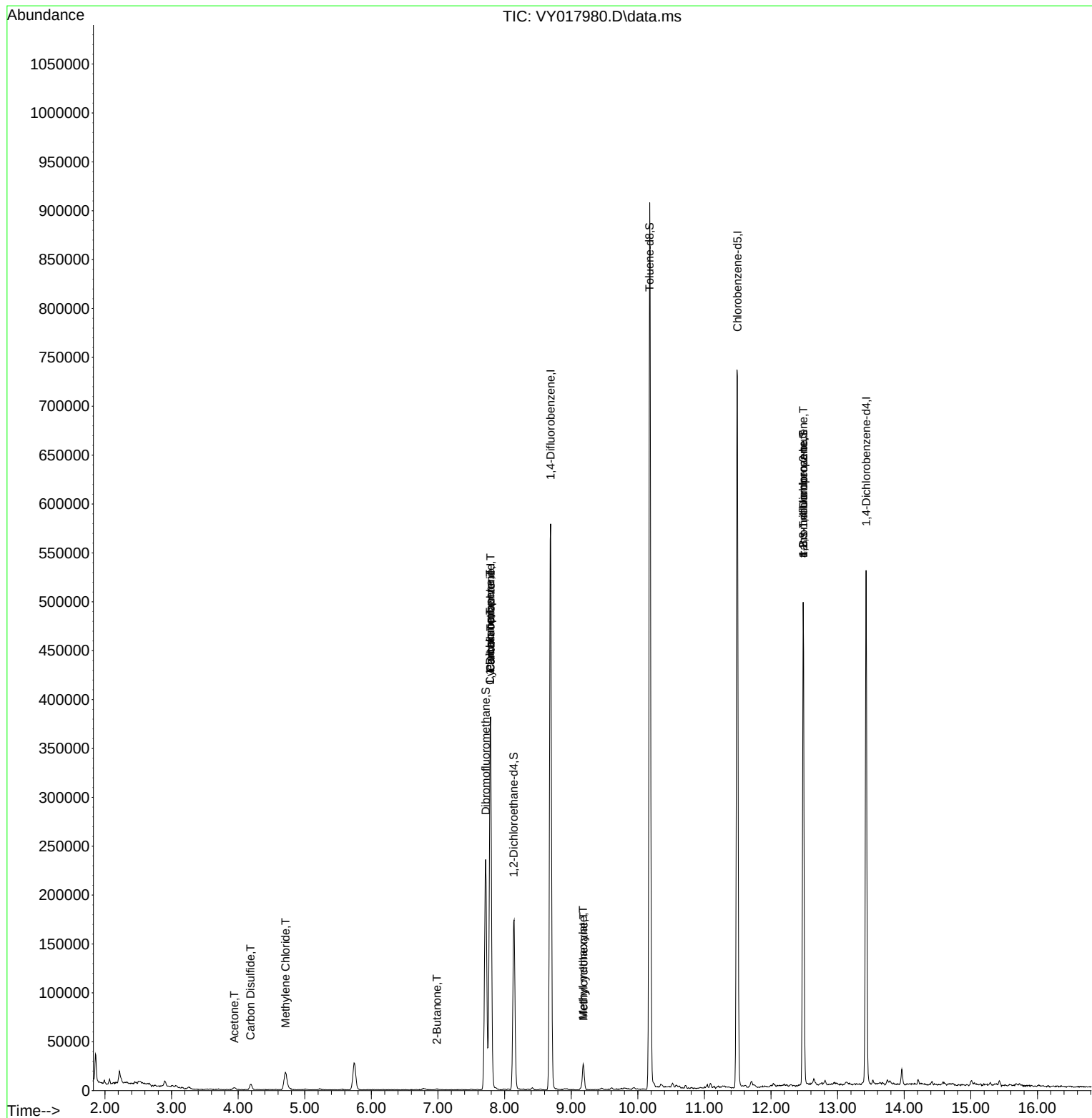
Internal Standards						
1) Pentafluorobenzene	7.789	168	318080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	536034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	448428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142512	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	132369	48.09	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.18%		
35) Dibromofluoromethane	7.716	113	168556	50.97	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.94%		
50) Toluene-d8	10.179	98	615587	49.06	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.12%		
62) 4-Bromofluorobenzene	12.483	95	147036	37.83	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	75.66%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	270	Below Cal	#	88
16) Acetone	3.942	43	2837	5.22	ug/l #	85
17) Carbon Disulfide	4.186	76	11183	1.09	ug/l #	95
20) Methylene Chloride	4.710	84	14339	3.89	ug/l	95
25) 2-Butanone	6.984	43	917	1.15	ug/l	88
31) Cyclohexane	7.783	56	9504	1.81	ug/l #	27
36) 1,1-Dichloropropene	7.783	75	20462	4.25	ug/l #	49
38) Carbon Tetrachloride	7.789	117	27558	5.67	ug/l #	16
39) Methylcyclohexane	9.185	83	11336	1.81	ug/l	86
48) Methyl methacrylate	9.179	41	4502	2.66	ug/l #	71
76) 1,2,3-Trichloropropane	12.483	75	70978	53.08	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	70978	109.43	ug/l #	16

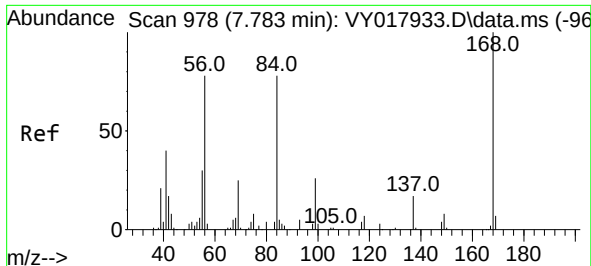
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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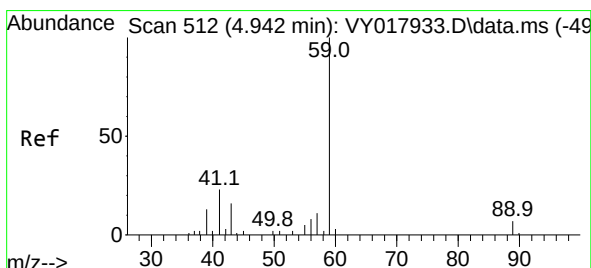
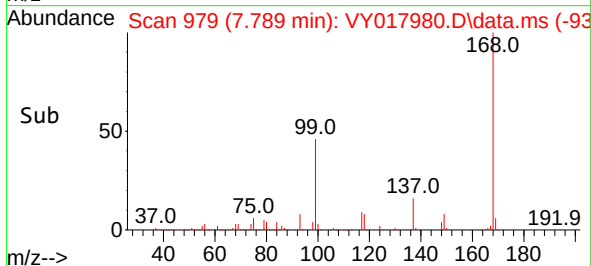
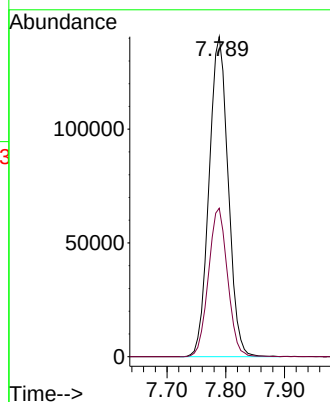
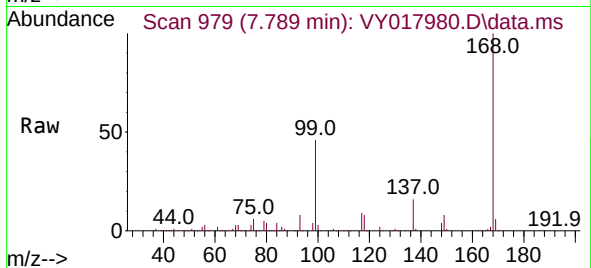




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

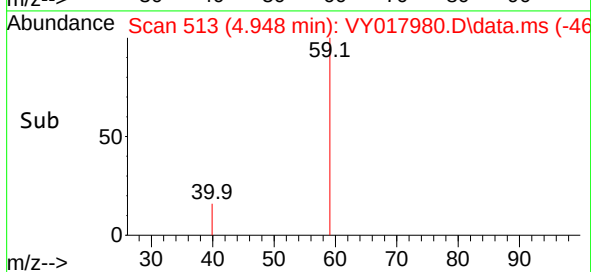
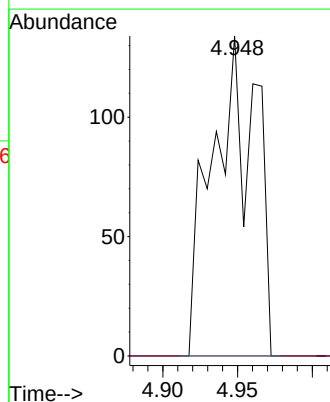
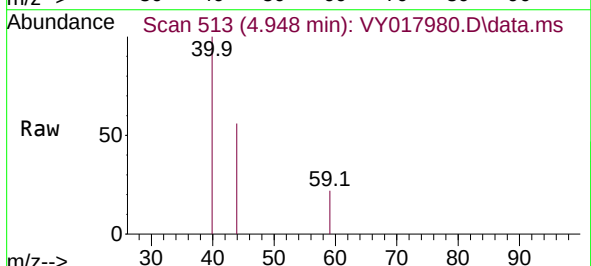
Instrument :
MSVOA_Y
ClientSampleId :

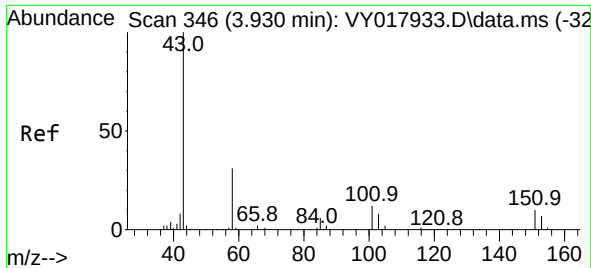
Tgt Ion:168 Resp: 318080
Ion Ratio Lower Upper
168 100
99 46.4 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

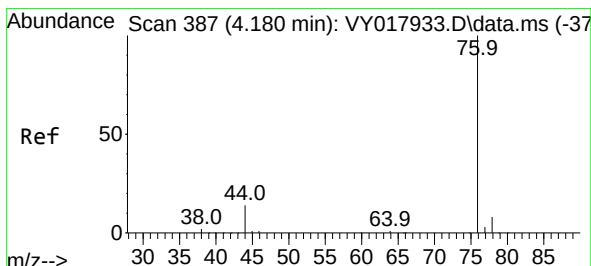
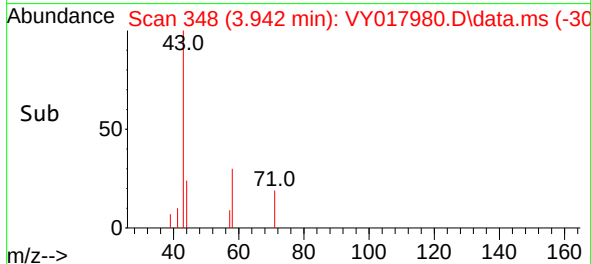
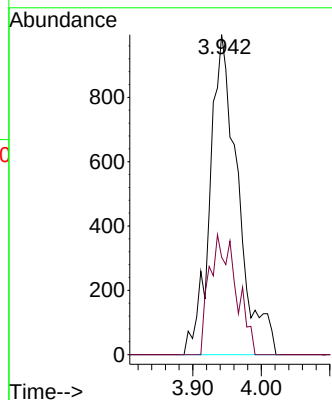
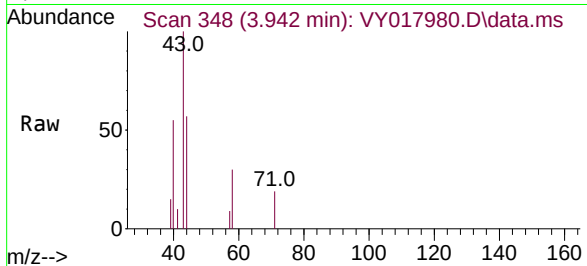




#16
Acetone
Concen: 5.22 ug/l
RT: 3.942 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

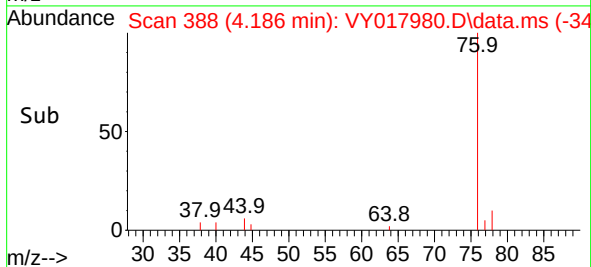
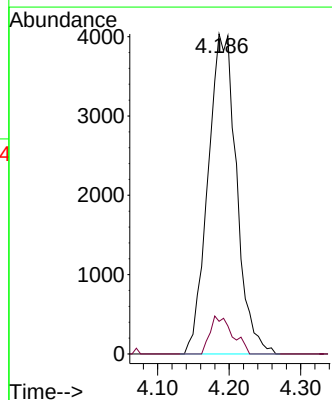
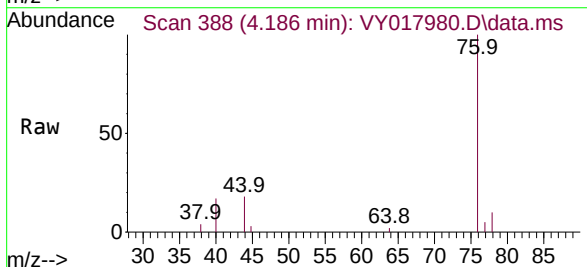
Instrument :
MSVOA_Y
ClientSampleId :

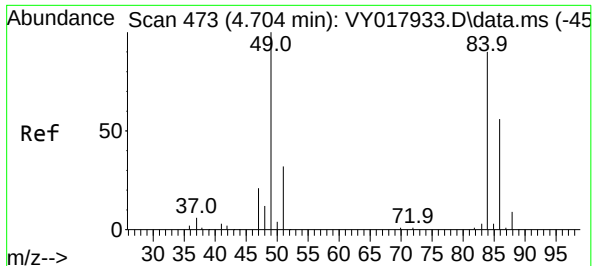
Tgt Ion: 43 Resp: 2837
Ion Ratio Lower Upper
43 100
58 30.5 31.7 47.5#



#17
Carbon Disulfide
Concen: 1.09 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

Tgt Ion: 76 Resp: 11183
Ion Ratio Lower Upper
76 100
78 10.2 6.8 10.2#





#20

Methylene Chloride

Concen: 3.89 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

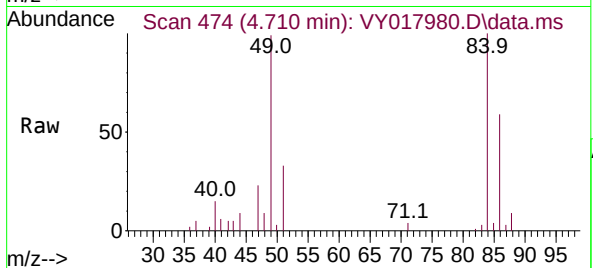
Lab File: VY017980.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 14339

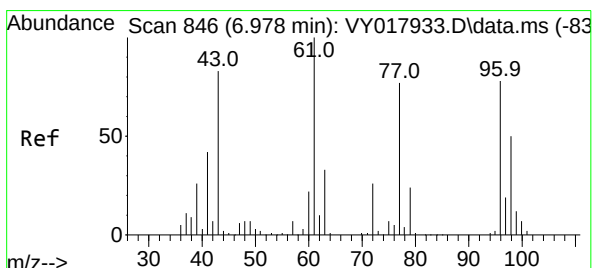
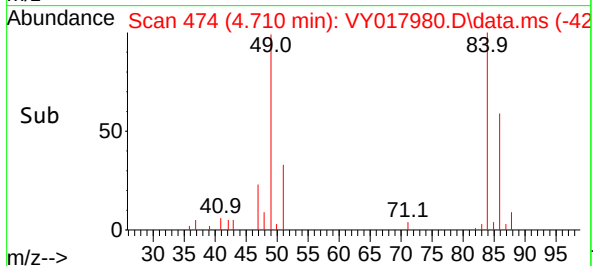
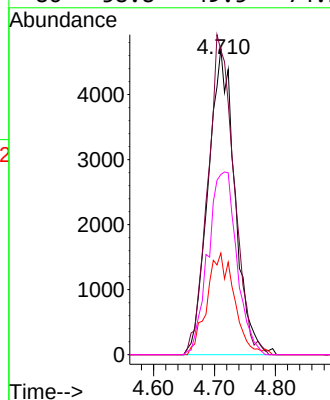
Ion Ratio Lower Upper

84 100

49 99.4 84.4 126.6

51 33.2 26.0 39.0

86 58.8 49.5 74.3



#25

2-Butanone

Concen: 1.15 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY017980.D

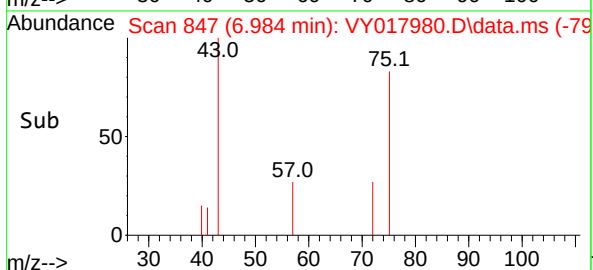
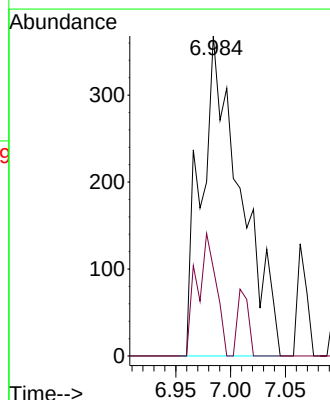
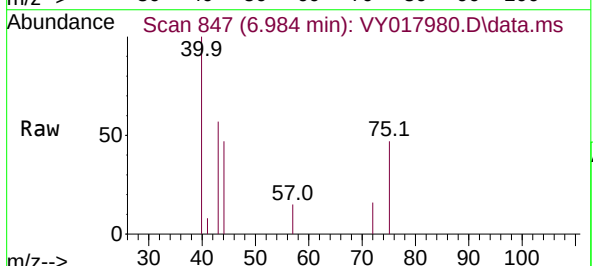
Acq: 18 Apr 2024 16:50

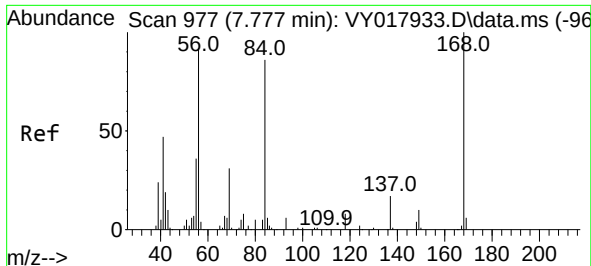
Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

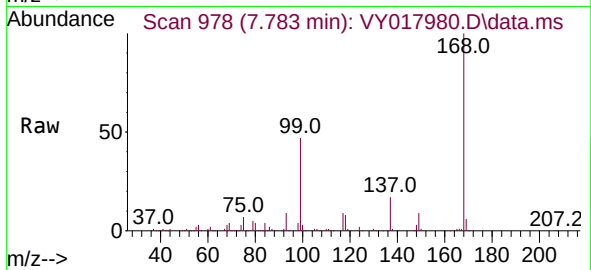
72 27.4 27.3 40.9



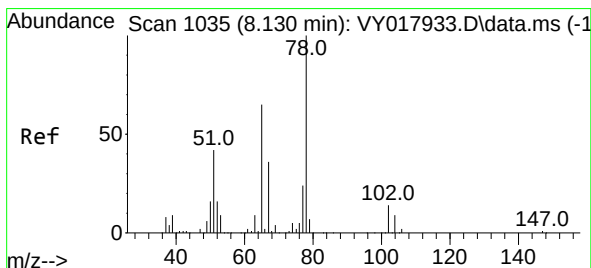
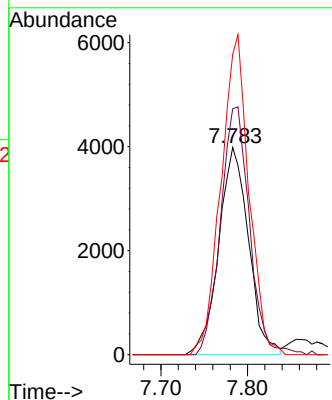
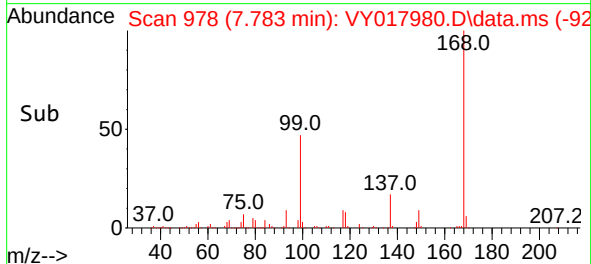


#31
Cyclohexane
Concen: 1.81 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

Instrument :
MSVOA_Y
ClientSampleId :

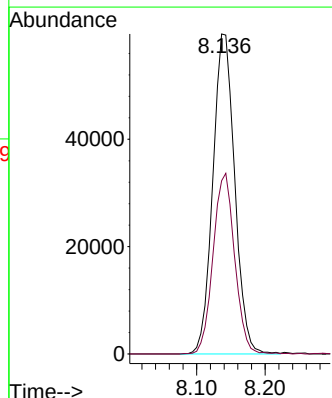
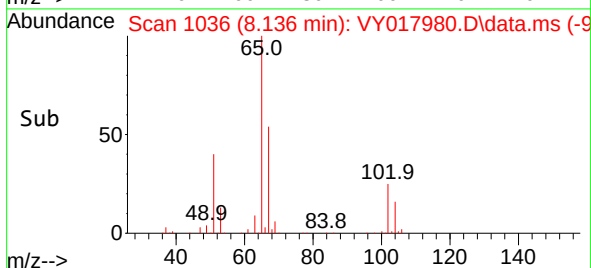
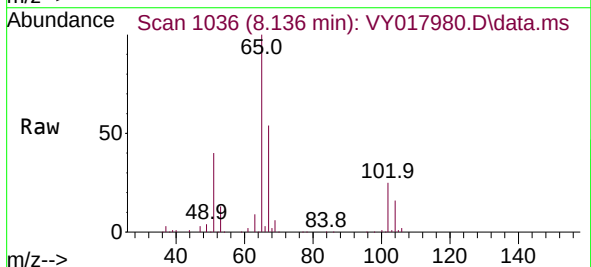


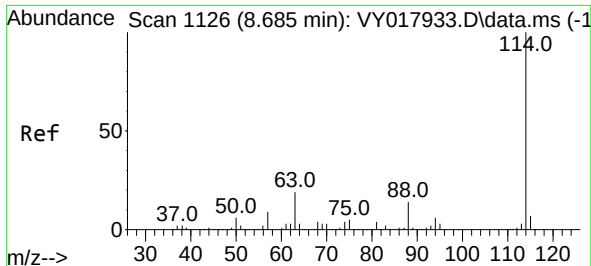
Tgt Ion: 56 Resp: 9504
Ion Ratio Lower Upper
56 100
69 118.7 28.7 43.1#
84 144.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 48.09 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

Tgt Ion: 65 Resp: 132369
Ion Ratio Lower Upper
65 100
67 55.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY017980.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

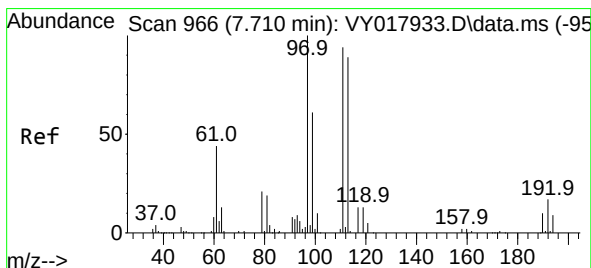
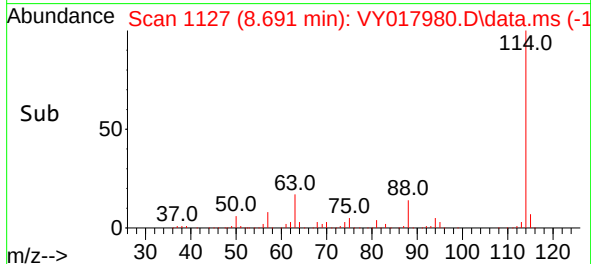
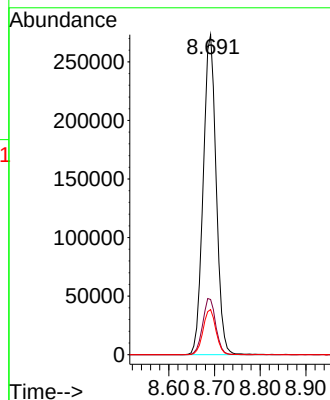
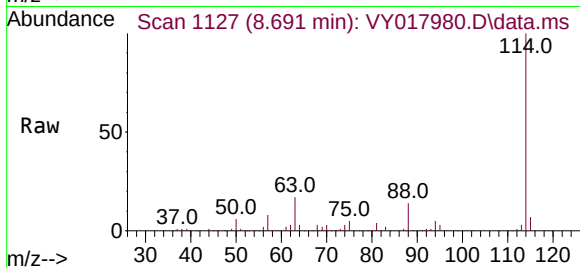
Tgt Ion:114 Resp: 536034

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 14.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.97 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY017980.D

Acq: 18 Apr 2024 16:50

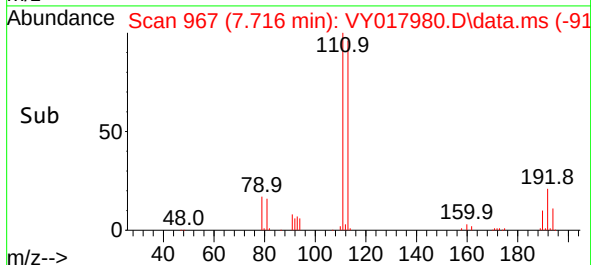
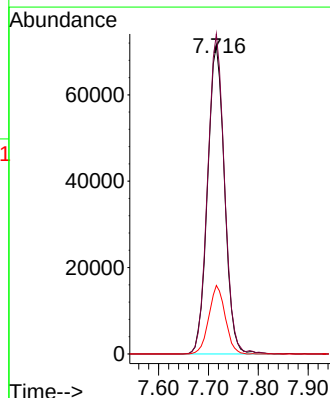
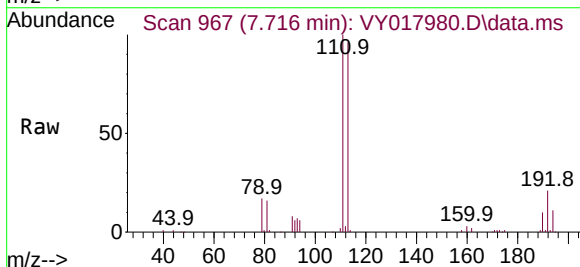
Tgt Ion:113 Resp: 168556

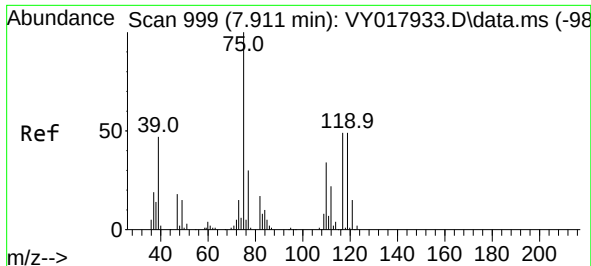
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 21.4 15.9 23.9

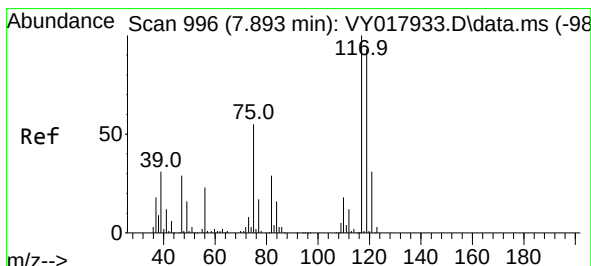
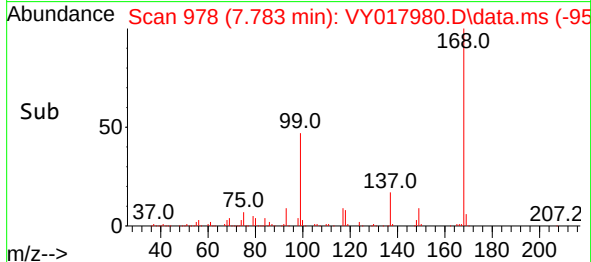
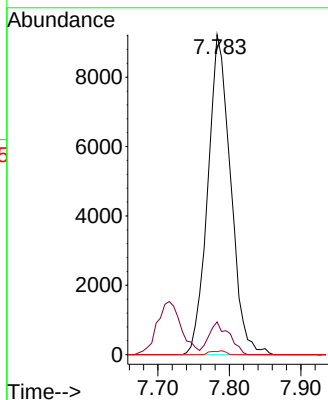
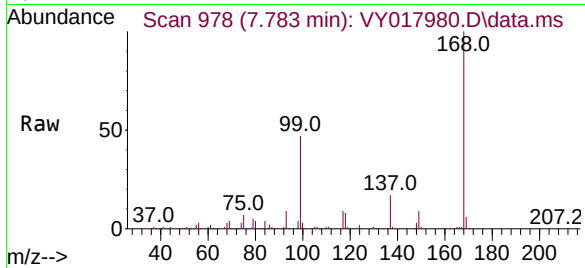




#36
 1,1-Dichloropropene
 Concen: 4.25 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY017980.D
 Acq: 18 Apr 2024 16:50

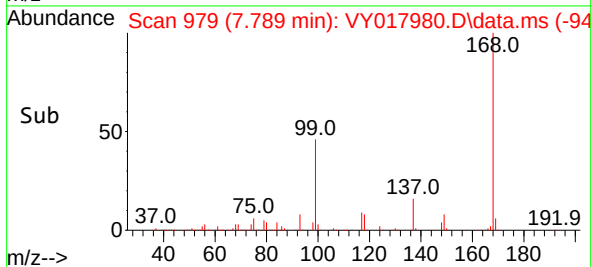
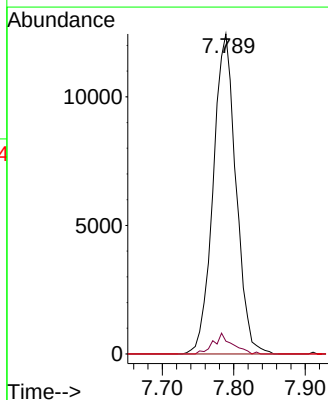
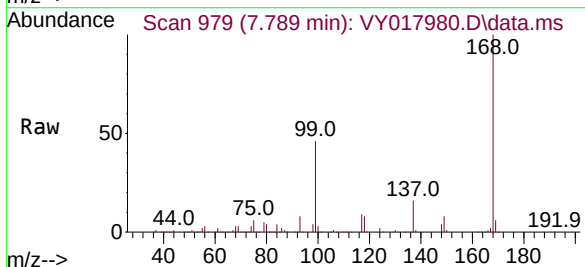
Instrument :
 MSVOA_Y
 ClientSampleId :

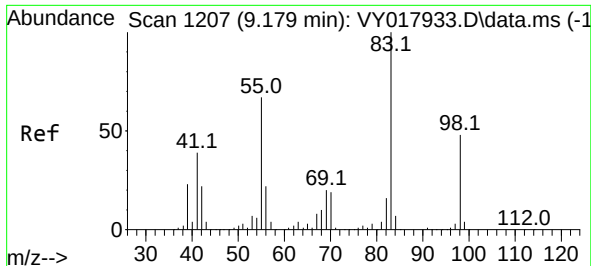
Tgt Ion: 75 Resp: 20462
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.0 57.0#
 77 0.8 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.67 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.116 min
 Lab File: VY017980.D
 Acq: 18 Apr 2024 16:50

Tgt Ion: 117 Resp: 27558
 Ion Ratio Lower Upper
 117 100
 119 4.0 75.8 113.6#
 121 0.0 24.0 36.0#





#39

Methylcyclohexane

Concen: 1.81 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017980.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

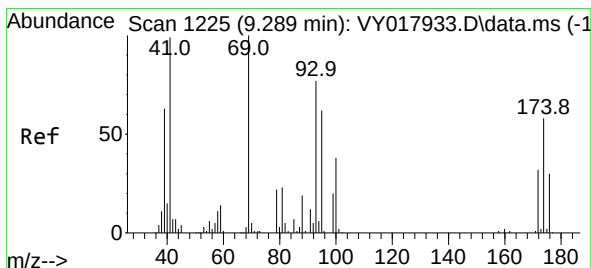
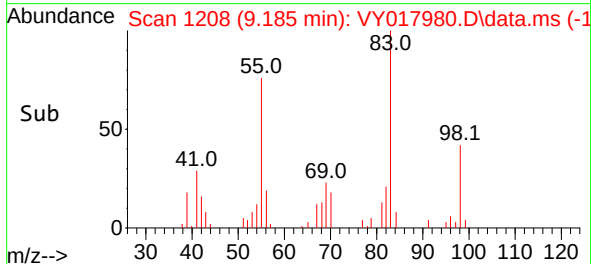
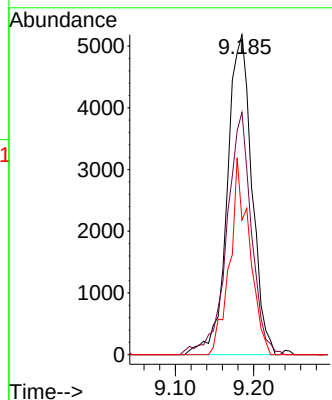
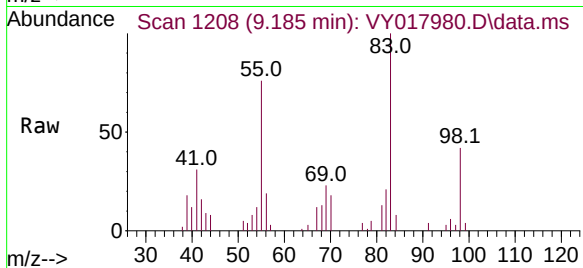
Tgt Ion: 83 Resp: 11336

Ion Ratio Lower Upper

83 100

55 75.8 51.5 77.3

98 42.0 40.5 60.7



#48

Methyl methacrylate

Concen: 2.66 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. -0.116 min

Lab File: VY017980.D

Acq: 18 Apr 2024 16:50

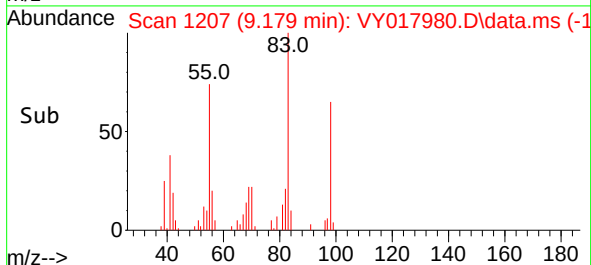
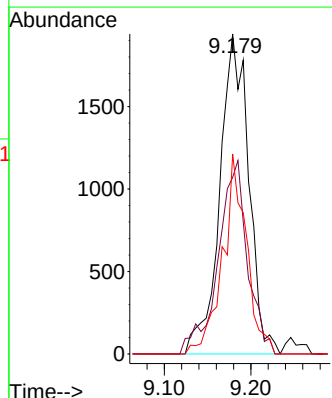
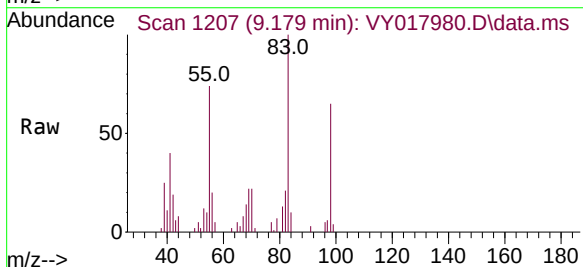
Tgt Ion: 41 Resp: 4502

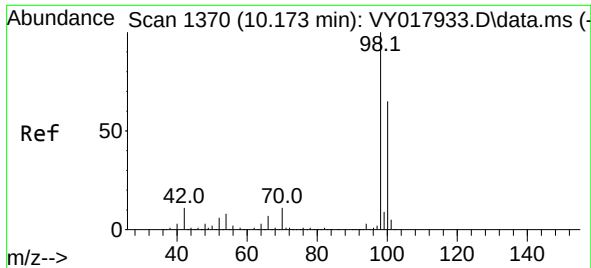
Ion Ratio Lower Upper

41 100

69 61.3 84.1 126.1#

39 51.4 43.6 65.4

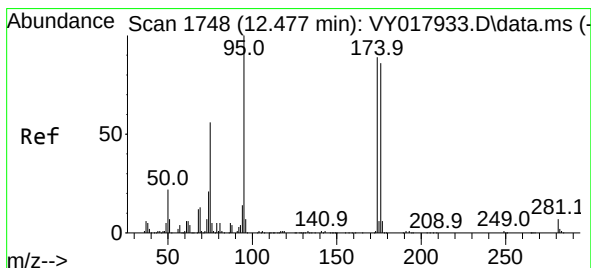
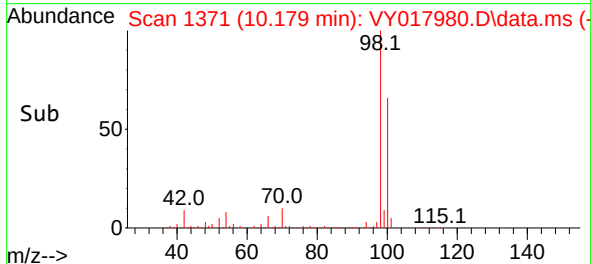
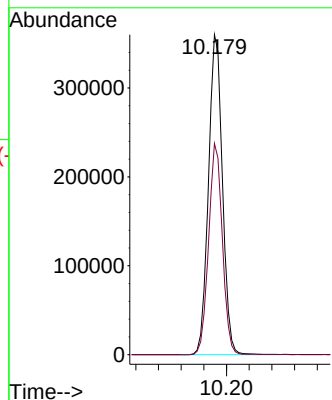
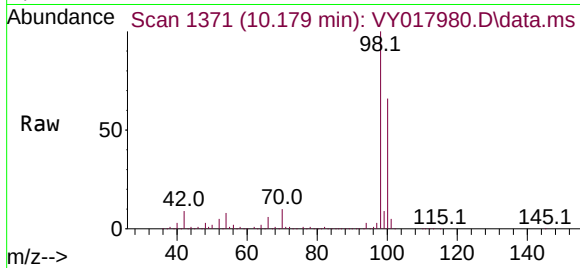




#50
Toluene-d8
Concen: 49.06 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

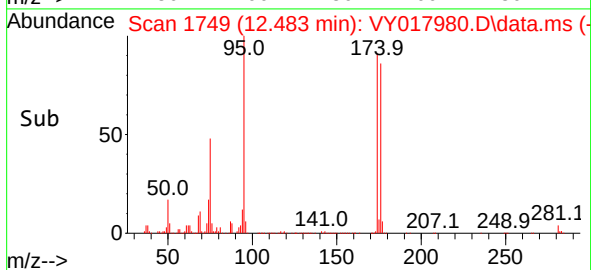
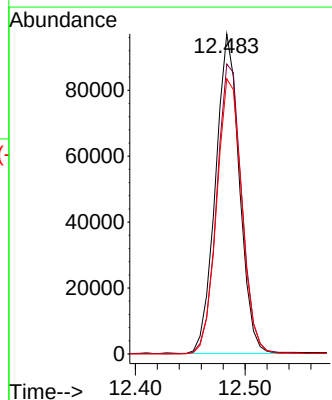
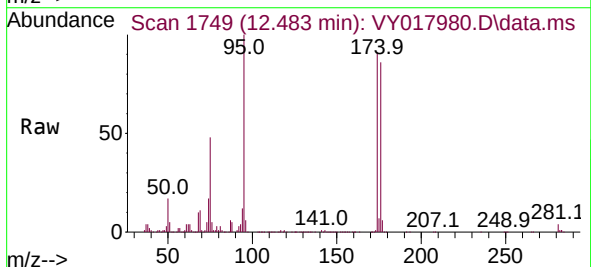
Instrument :
MSVOA_Y
ClientSampleId :

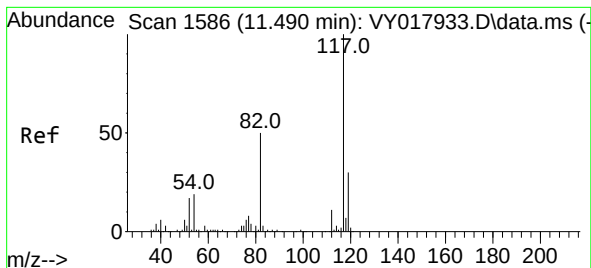
Tgt Ion: 98 Resp: 615587
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 37.83 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

Tgt Ion: 95 Resp: 147036
Ion Ratio Lower Upper
95 100
174 94.5 0.0 175.6
176 90.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017980.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

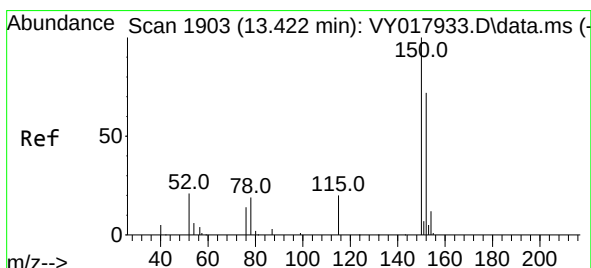
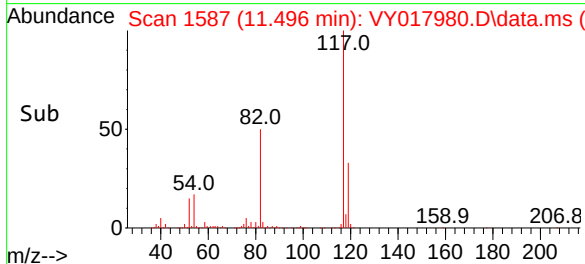
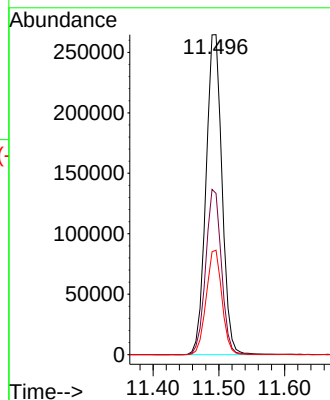
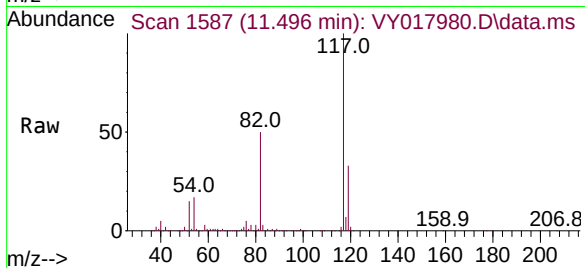
Tgt Ion:117 Resp: 448428

Ion Ratio Lower Upper

117 100

82 50.4 42.4 63.6

119 32.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017980.D

Acq: 18 Apr 2024 16:50

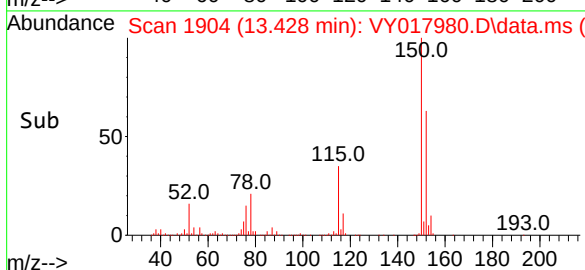
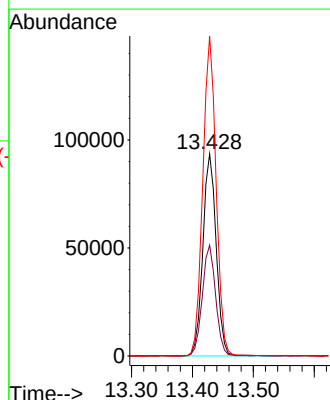
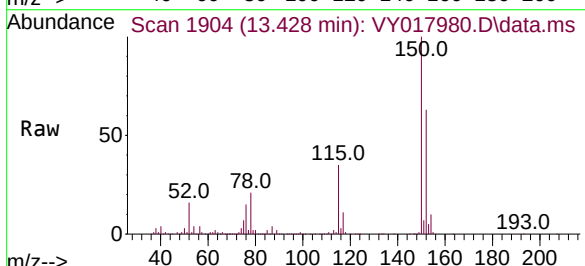
Tgt Ion:152 Resp: 142512

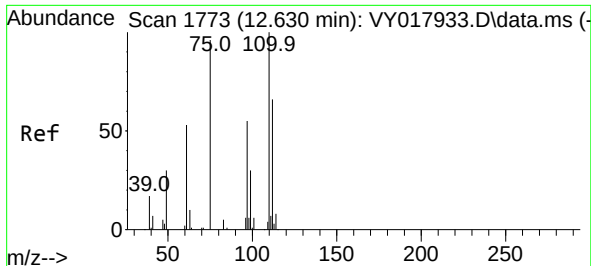
Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.7

150 157.8 0.0 345.6

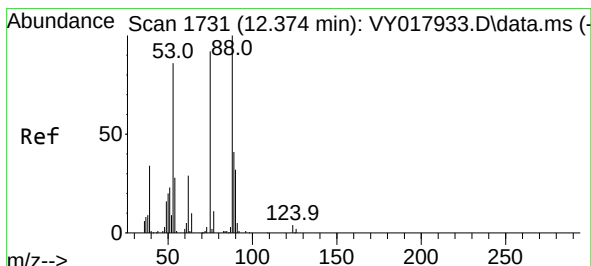
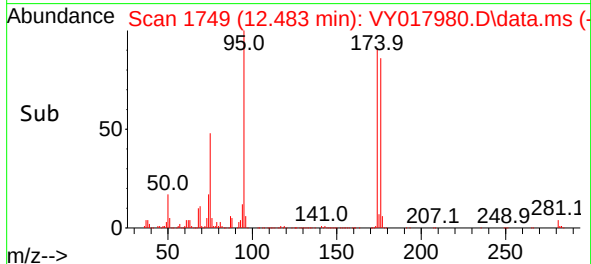
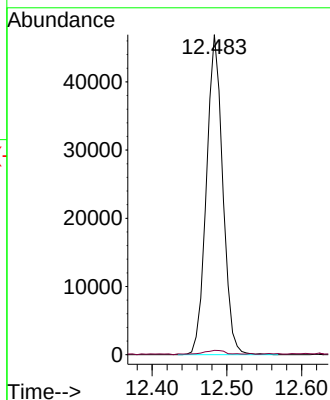
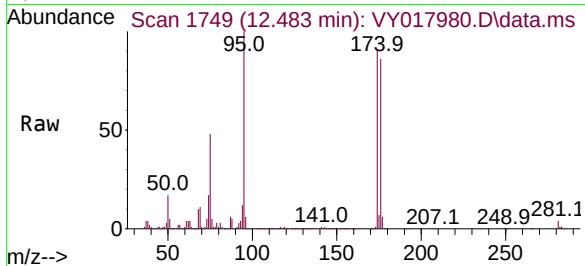




#76
1,2,3-Trichloropropane
Concen: 53.08 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 70978
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.43 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY017980.D
Acq: 18 Apr 2024 16:50

Tgt Ion: 75 Resp: 70978
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.1 35.8 53.6#

