

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013786.D
 Acq On : 17 May 2023 19:10
 Operator : KP/MD
 Sample : 02812-11
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B4-0-2

Quant Time: May 18 07:18:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

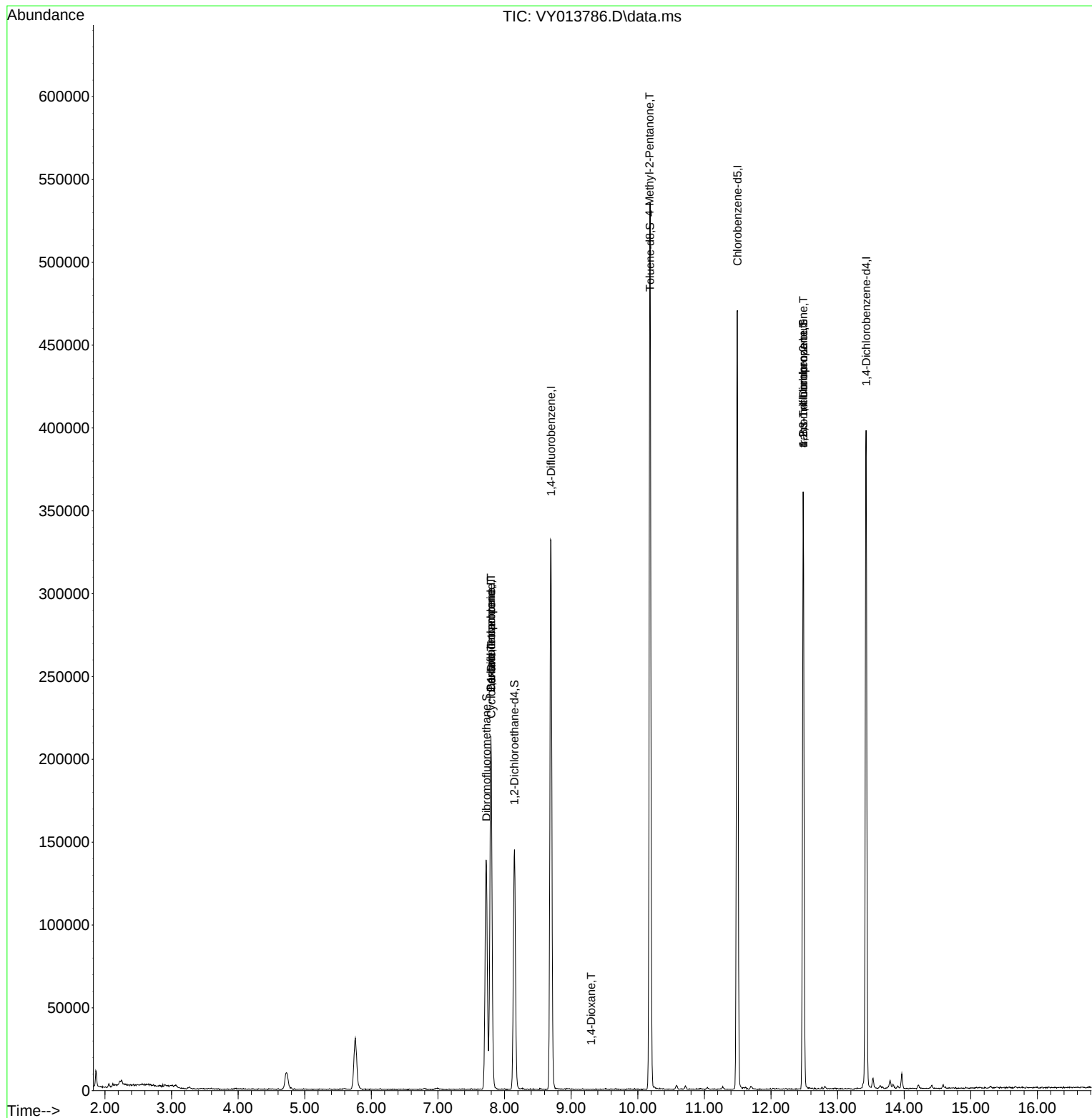
Internal Standards						
1) Pentafluorobenzene	7.795	168	162585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	276907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	253712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	116742	61.811	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.620%			
35) Dibromofluoromethane	7.728	113	96915	54.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.160%			
50) Toluene-d8	10.185	98	338239	50.244	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.480%			
62) 4-Bromofluorobenzene	12.483	95	100794	45.077	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.160%			
Target Compounds						
20) Methylene Chloride	4.729	84	7280	Below Cal		91
31) Cyclohexane	7.801	56	4252	1.570 ug/l #		55
36) 1,1-Dichloropropene	7.795	75	12687	5.171 ug/l #		50
38) Carbon Tetrachloride	7.795	117	15696	6.064 ug/l #		16
49) 1,4-Dioxane	9.301	88	22	1.634 ug/l #		20
51) 4-Methyl-2-Pentanone	10.179	43	1794	1.052 ug/l #		1
76) 1,2,3-Trichloropropane	12.483	75	52928	42.665 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.483	75	52928	94.988 ug/l #		12

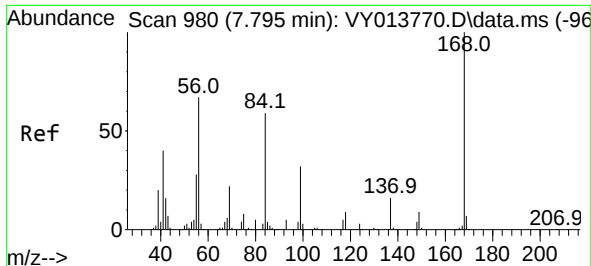
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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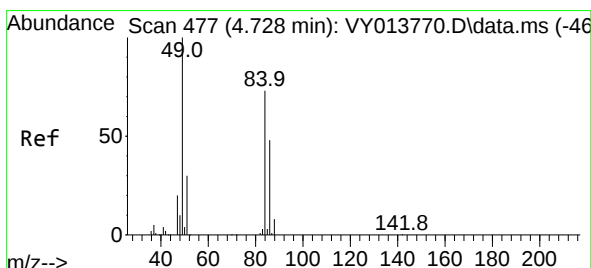
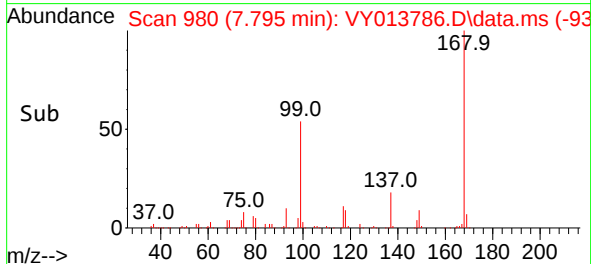
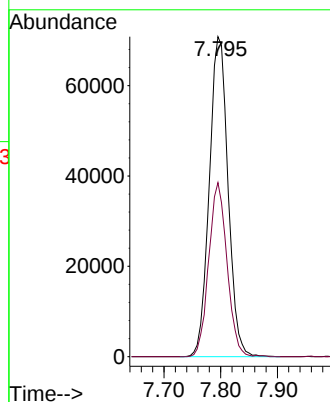
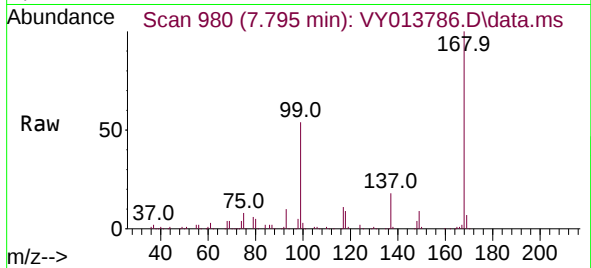




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY013786.D
Acq: 17 May 2023 19:10

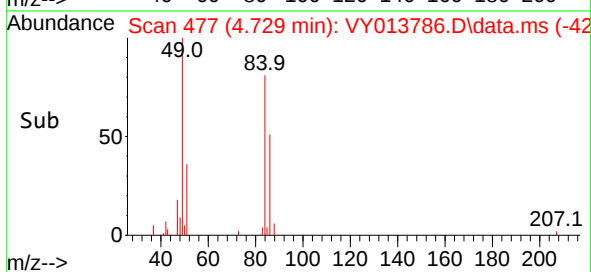
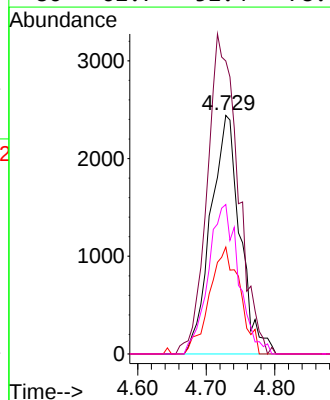
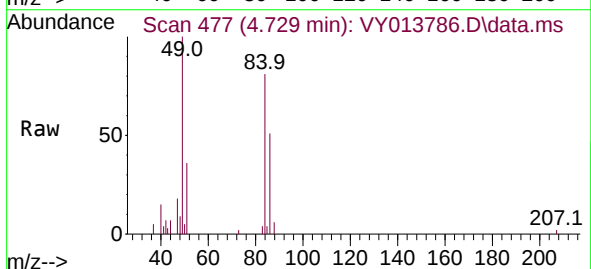
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B4-0-2

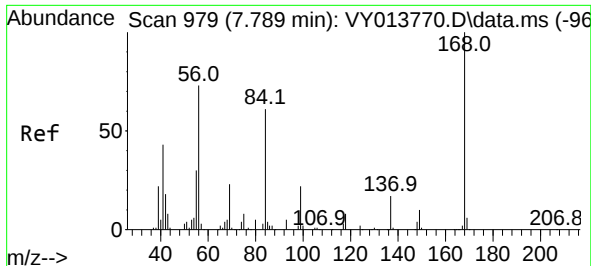
Tgt Ion:168 Resp: 162585
Ion Ratio Lower Upper
168 100
99 54.4 44.0 66.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY013786.D
Acq: 17 May 2023 19:10

Tgt Ion: 84 Resp: 7280
Ion Ratio Lower Upper
84 100
49 122.8 109.4 164.0
51 44.8 32.8 49.2
86 62.7 52.4 78.6

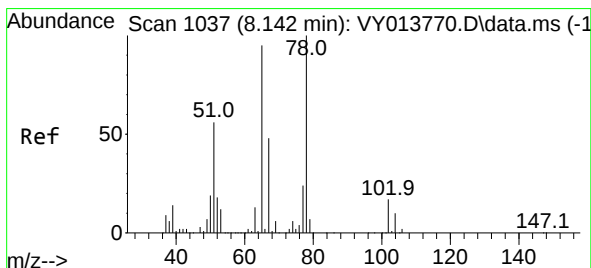
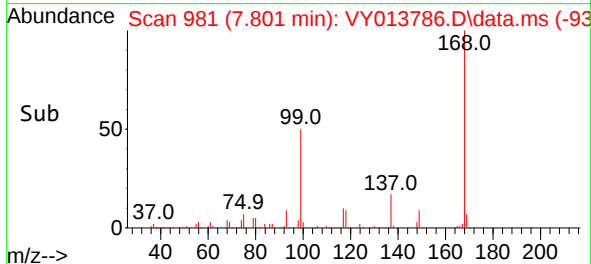
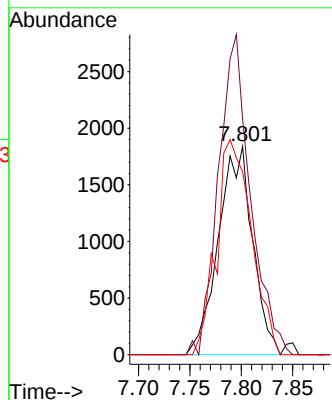
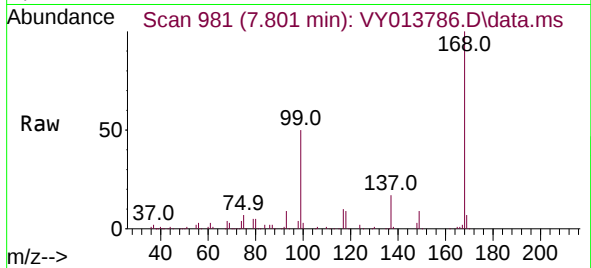




#31
Cyclohexane
Concen: 1.570 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY013786.D
Acq: 17 May 2023 19:10

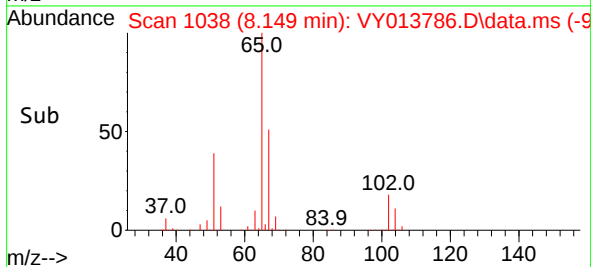
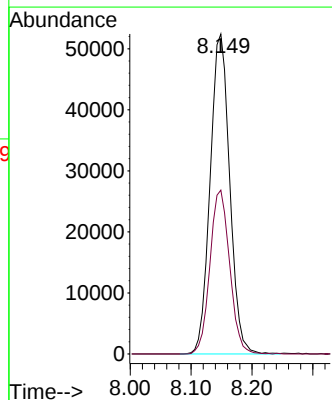
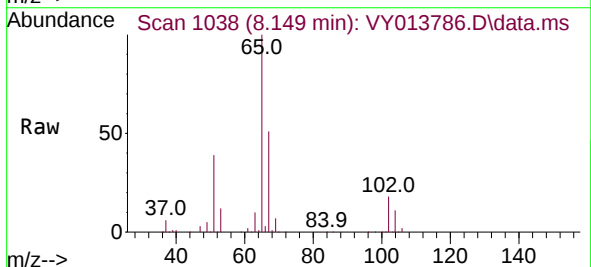
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B4-0-2

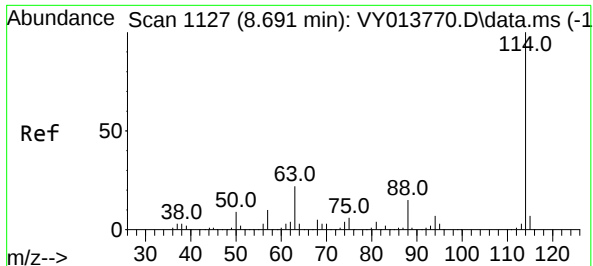
Tgt Ion: 56 Resp: 4252
Ion Ratio Lower Upper
56 100
69 113.2 25.8 38.6#
84 87.9 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 61.811 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY013786.D
Acq: 17 May 2023 19:10

Tgt Ion: 65 Resp: 116742
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY013786.D

Acq: 17 May 2023 19:10

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B4-0-2

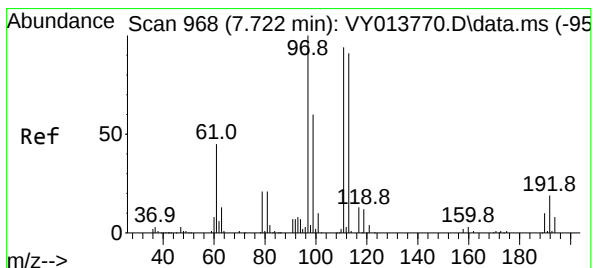
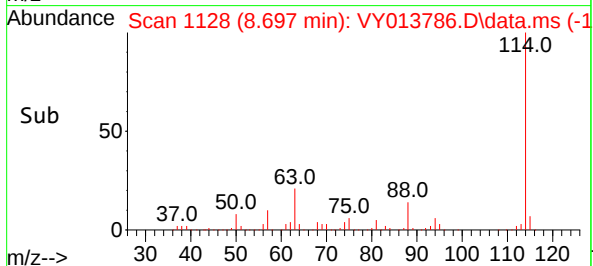
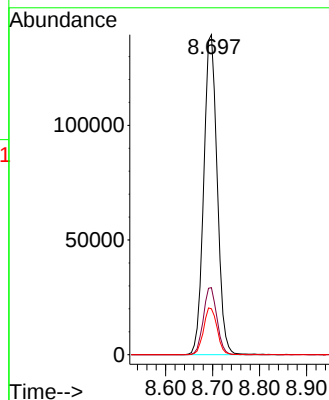
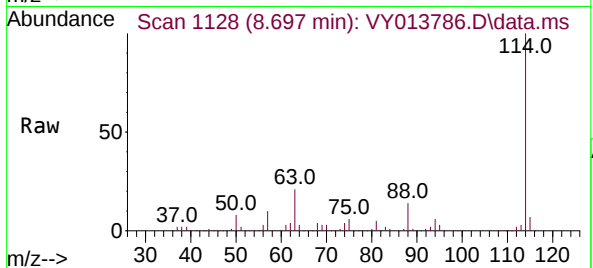
Tgt Ion:114 Resp: 276907

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 14.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.579 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY013786.D

Acq: 17 May 2023 19:10

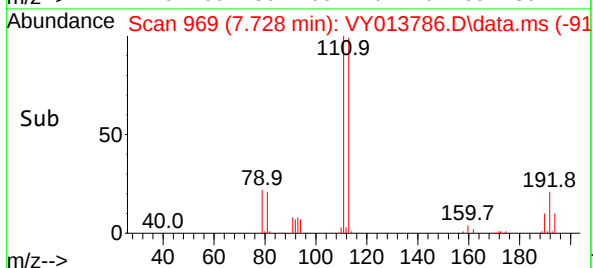
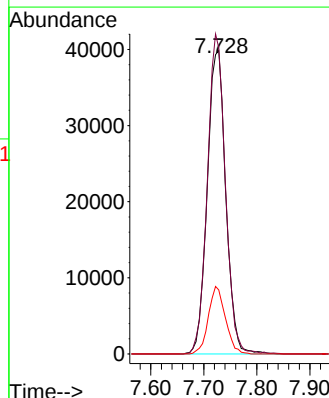
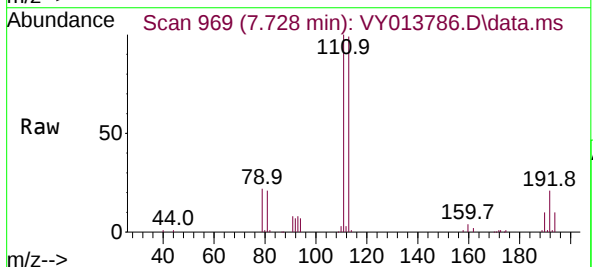
Tgt Ion:113 Resp: 96915

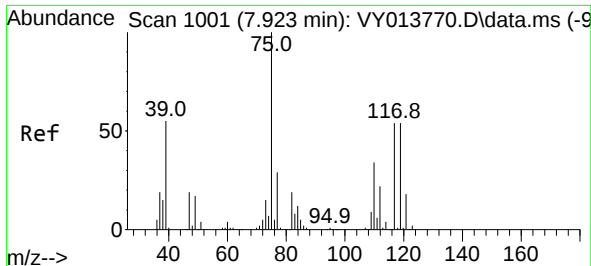
Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

192 20.5 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.171 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY013786.D

Acq: 17 May 2023 19:10

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B4-0-2

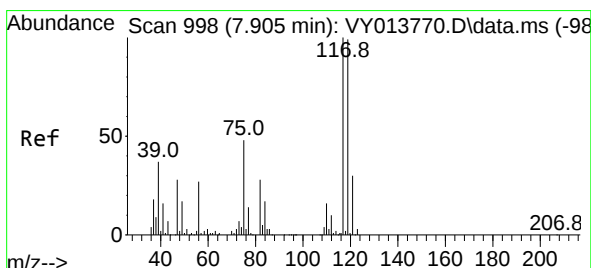
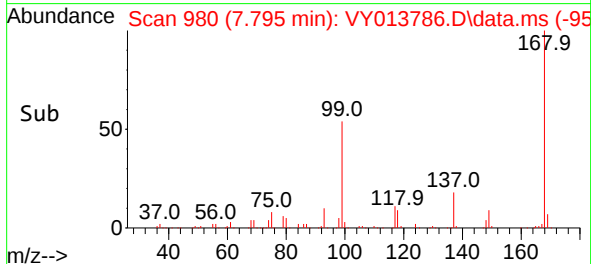
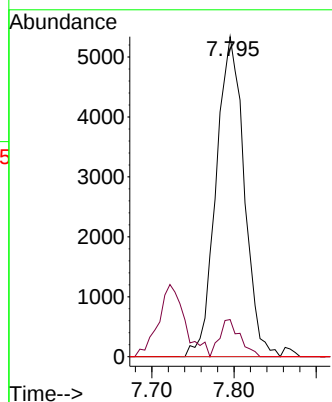
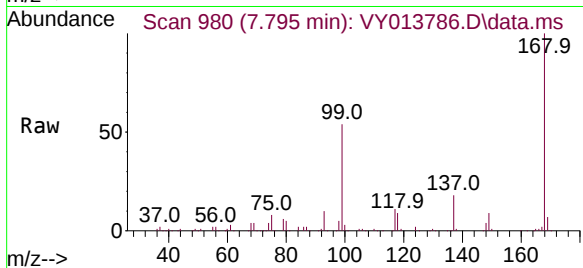
Tgt Ion: 75 Resp: 12687

Ion Ratio Lower Upper

75 100

110 8.4 17.3 51.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.064 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY013786.D

Acq: 17 May 2023 19:10

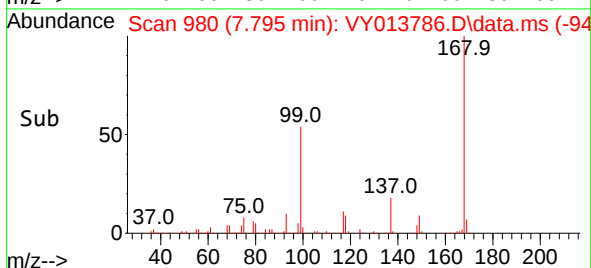
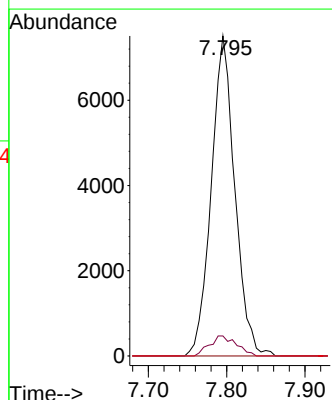
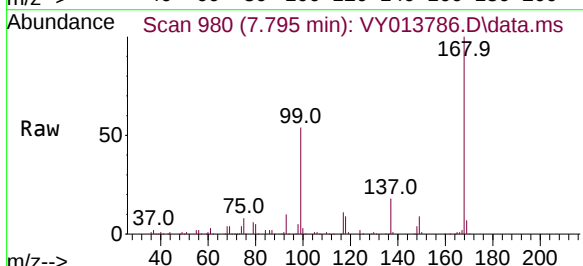
Tgt Ion: 117 Resp: 15696

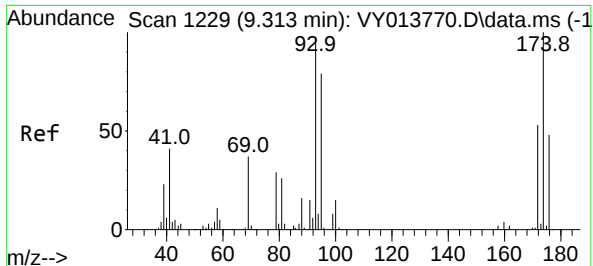
Ion Ratio Lower Upper

117 100

119 6.3 79.0 118.6#

121 0.0 24.1 36.1#





#49

1,4-Dioxane

Concen: 1.634 ug/l

RT: 9.301 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY013786.D

Acq: 17 May 2023 19:10

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B4-0-2

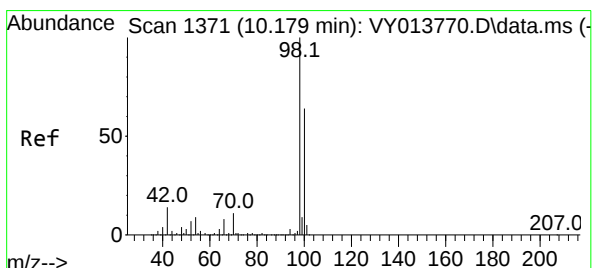
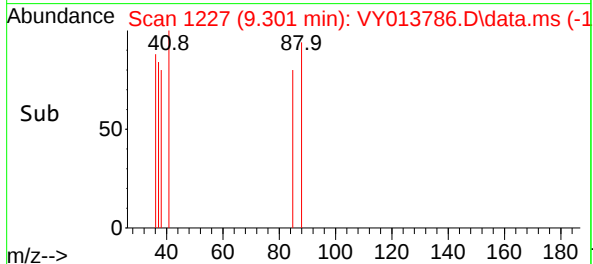
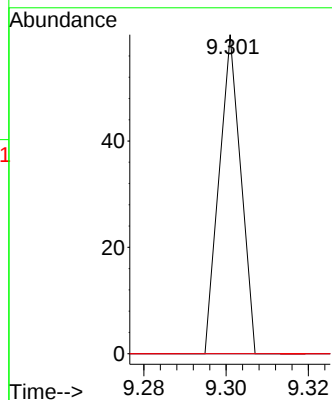
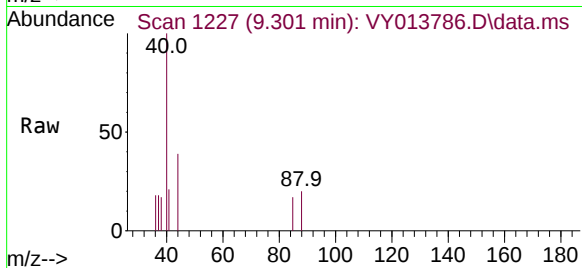
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 26.1 39.1#

58 0.0 62.2 93.2#



#50

Toluene-d8

Concen: 50.244 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY013786.D

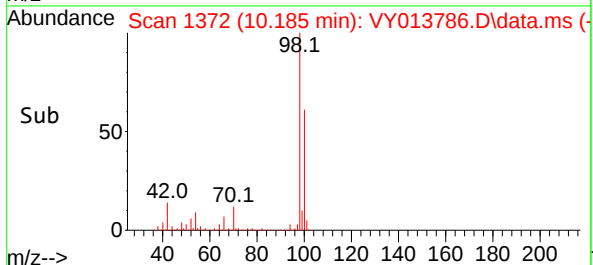
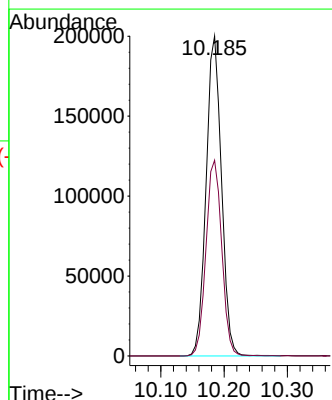
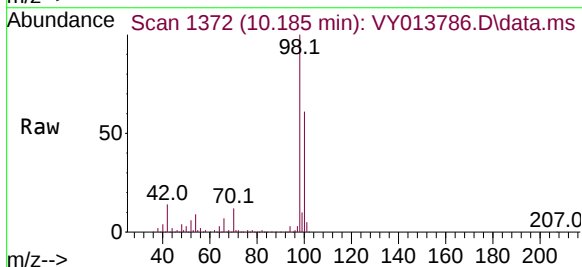
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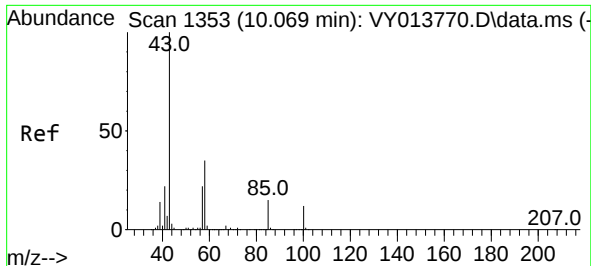
Tgt Ion: 98 Resp: 338239

Ion Ratio Lower Upper

98 100

100 62.8 51.0 76.6

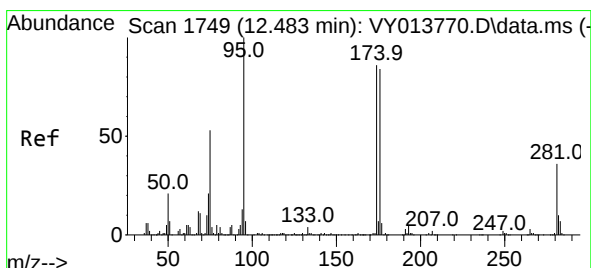
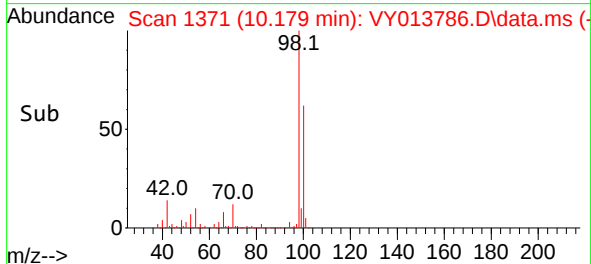
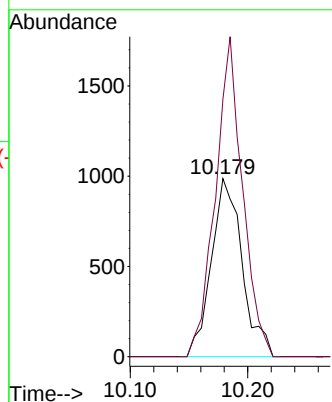
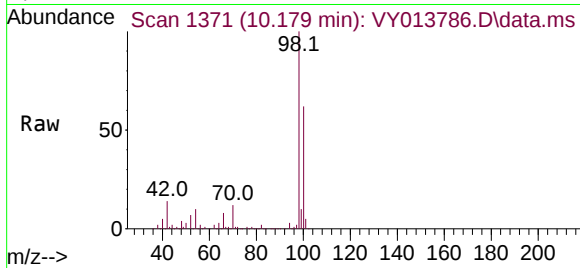




#51
4-Methyl-2-Pentanone
Concen: 1.052 ug/l
RT: 10.179 min Scan# 1353
Delta R.T. 0.110 min
Lab File: VY013786.D
Acq: 17 May 2023 19:10

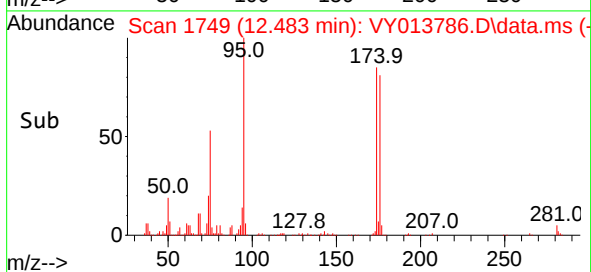
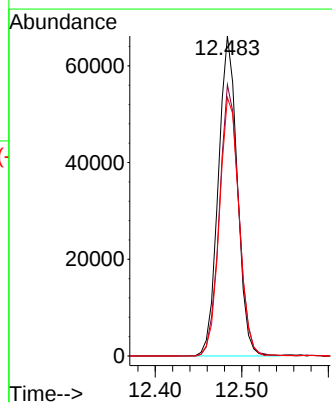
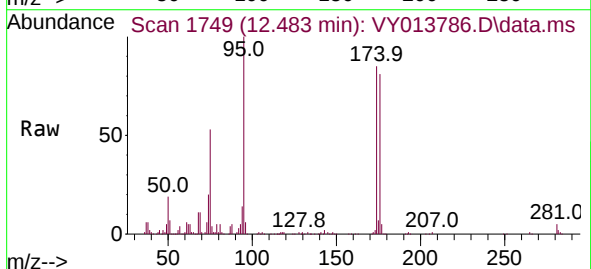
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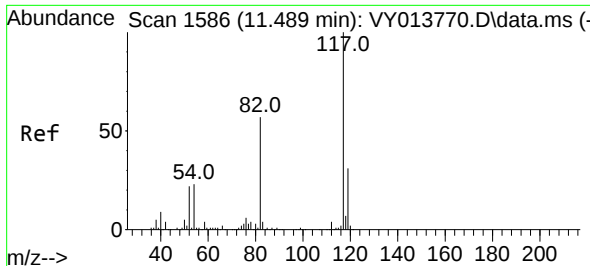
Tgt Ion: 43 Resp: 1794
Ion Ratio Lower Upper
43 100
58 159.1 28.2 42.2#



#62
4-Bromofluorobenzene
Concen: 45.077 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013786.D
Acq: 17 May 2023 19:10

Tgt Ion: 95 Resp: 100794
Ion Ratio Lower Upper
95 100
174 86.3 0.0 168.8
176 83.5 0.0 165.2

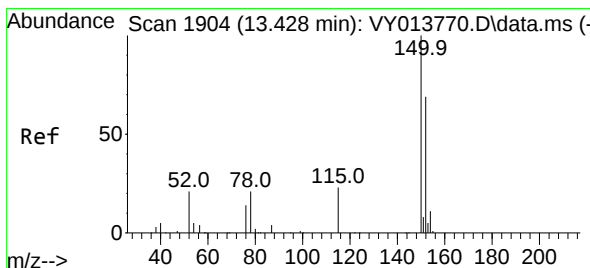
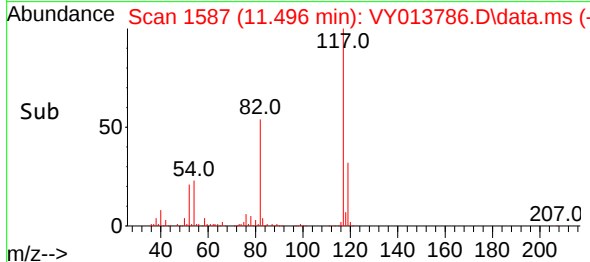
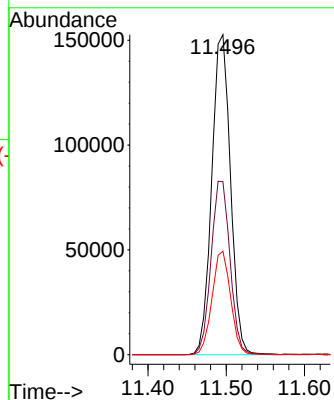
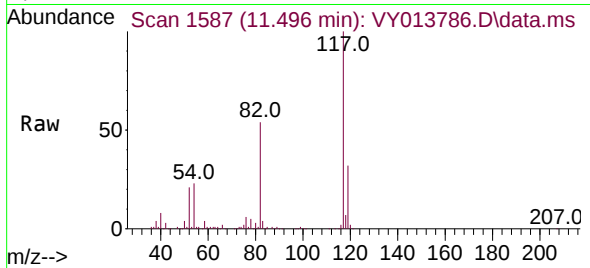




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013786.D
Acq: 17 May 2023 19:10

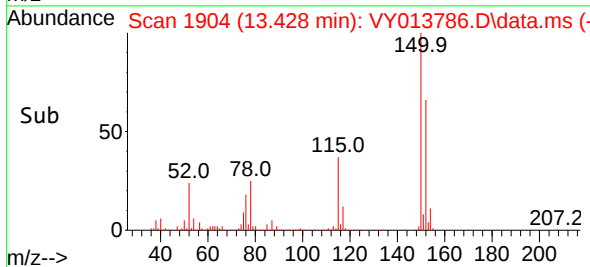
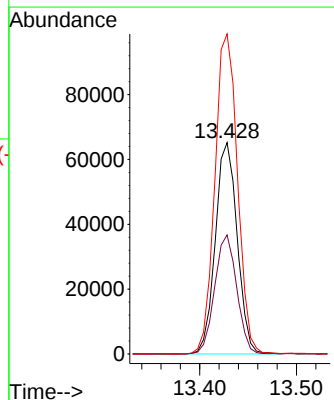
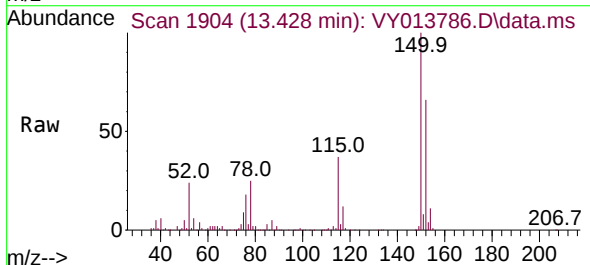
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B4-0-2

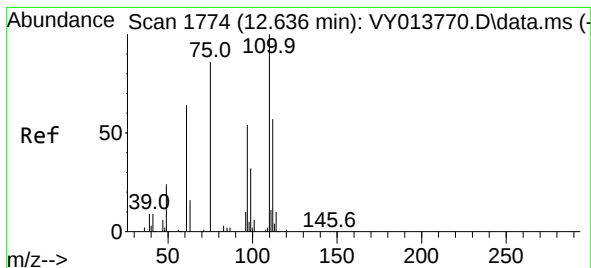
Tgt Ion:117 Resp: 253712
Ion Ratio Lower Upper
117 100
82 54.0 45.5 68.3
119 32.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013786.D
Acq: 17 May 2023 19:10

Tgt Ion:152 Resp: 102502
Ion Ratio Lower Upper
152 100
115 56.7 28.5 85.5
150 156.2 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 42.665 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY013786.D

Acq: 17 May 2023 19:10

Instrument :

MSVOA_Y

ClientSampleId :

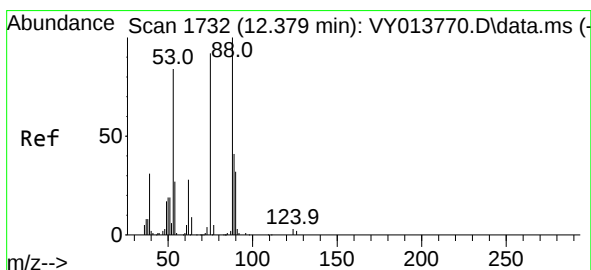
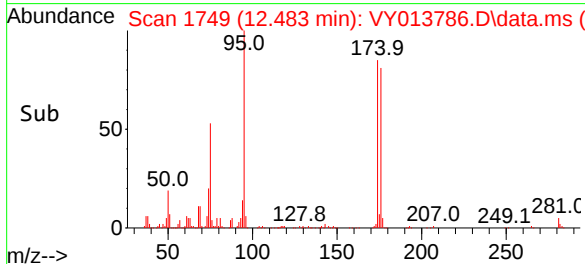
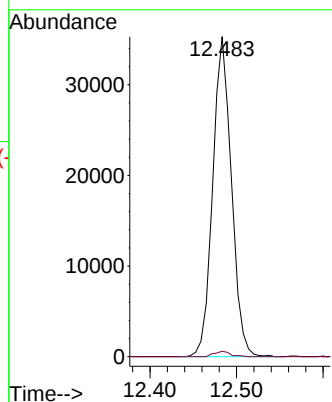
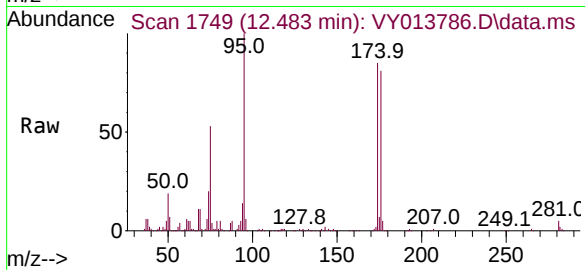
WG-0516-B4-0-2

Tgt Ion: 75 Resp: 52928

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.988 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY013786.D

Acq: 17 May 2023 19:10

Tgt Ion: 75 Resp: 52928

Ion Ratio Lower Upper

75 100

53 0.4 75.3 112.9#

89 0.1 35.4 53.2#

