

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040122\
 Data File : VY008169.D
 Acq On : 01 Apr 2022 18:24
 Operator : SY/MD
 Sample : N2220-12
 Misc : 5.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A05015

Quant Time: Apr 02 03:59:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

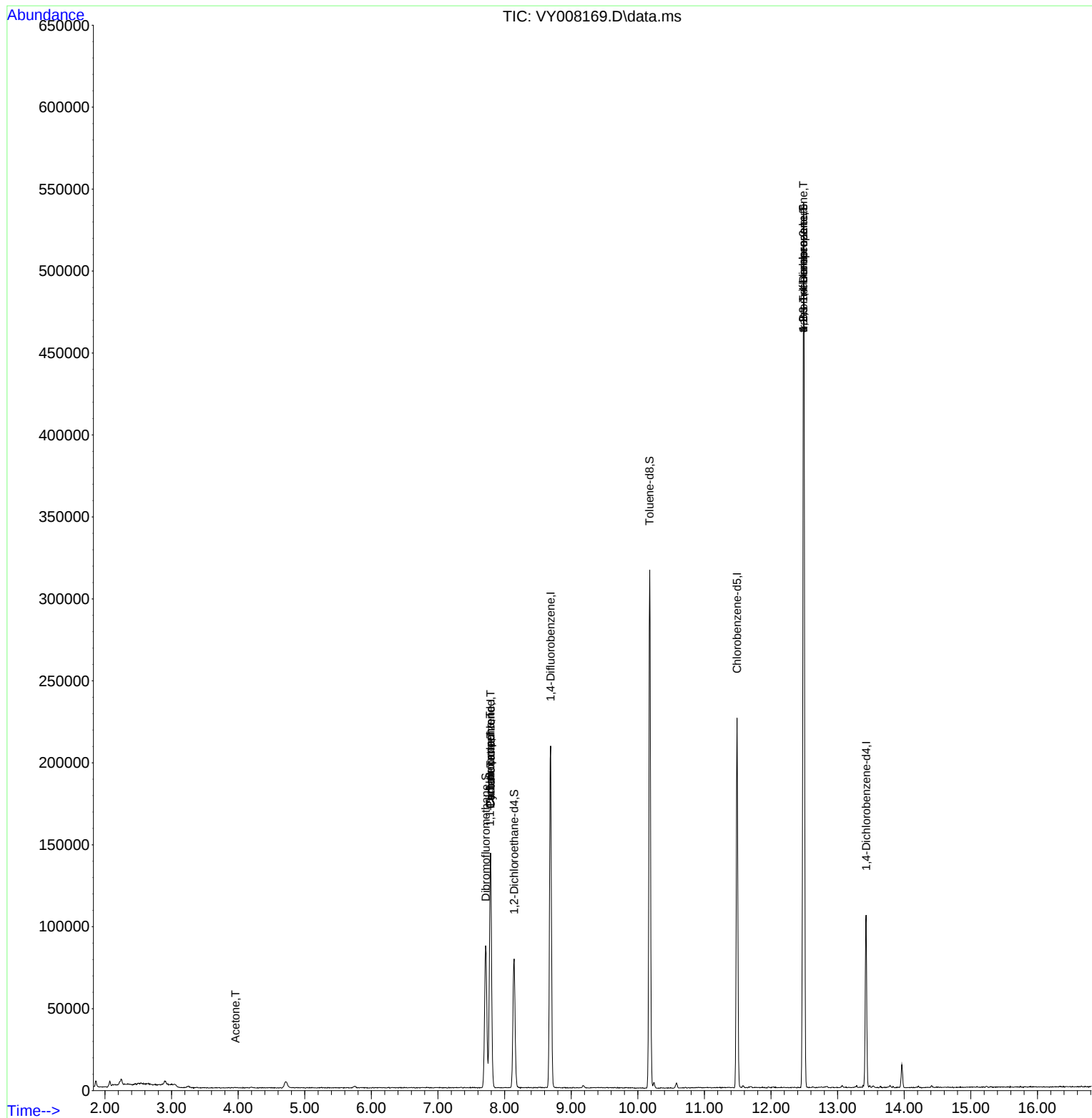
Internal Standards						
1) Pentafluorobenzene	7.789	168	109123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	187364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	123153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	26709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	59800	54.620	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.240%	
35) Dibromofluoromethane	7.716	113	61726	52.545	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.100%	
50) Toluene-d8	10.179	98	213524	48.246	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.500%	
62) 4-Bromofluorobenzene	12.483	95	38079	24.387	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 48.780%	
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	434	1.734	ug/l #	47
18) Methyl Acetate	4.466	43	228	Below Cal	#	56
20) Methylene Chloride	4.704	84	3321	Below Cal	#	64
31) Cyclohexane	7.789	56	2580	1.261	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8628	4.676	ug/l #	50
38) Carbon Tetrachloride	7.789	117	11165	5.552	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	23225	71.333	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	23225	159.156	ug/l #	10

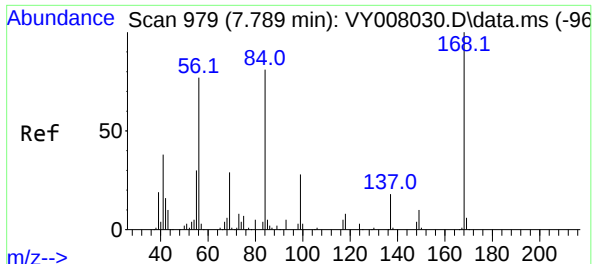
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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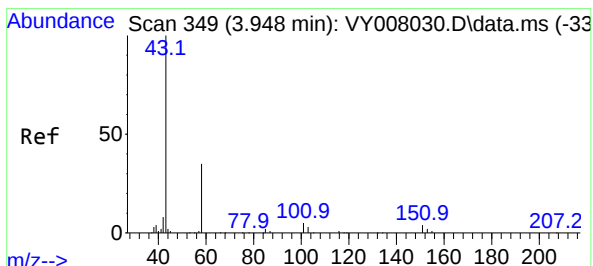
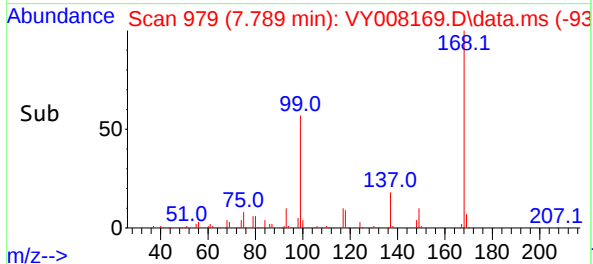
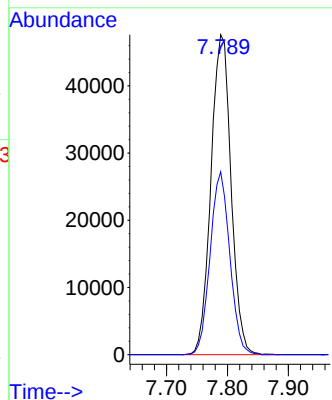
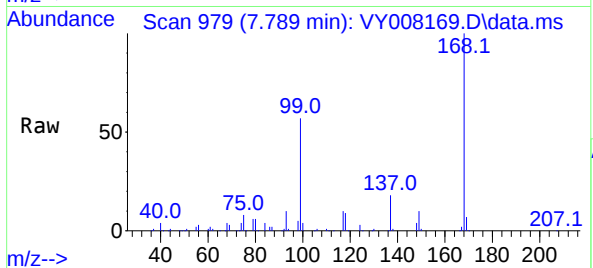




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

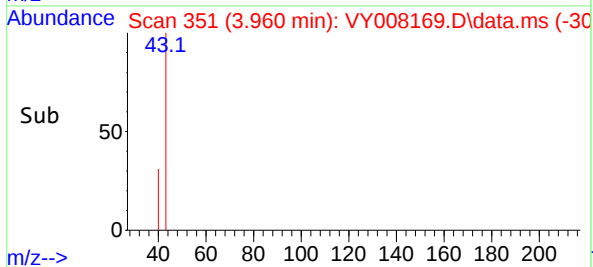
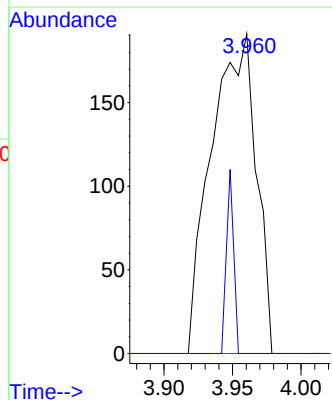
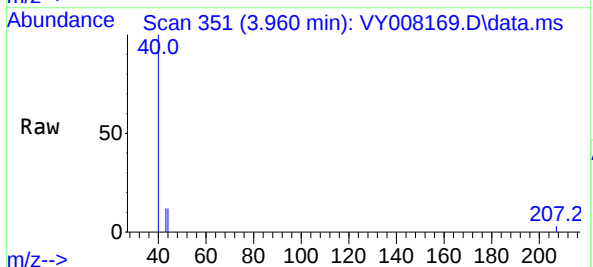
Instrument :
MSVOA_Y
ClientSampleId :
A05015

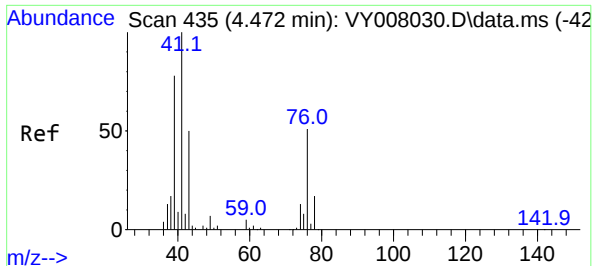
Tgt Ion:168 Resp: 109123
Ion Ratio Lower Upper
168 100
99 57.1 46.9 70.3



#16
Acetone
Concen: 1.734 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY008169.D

Acq: 01 Apr 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

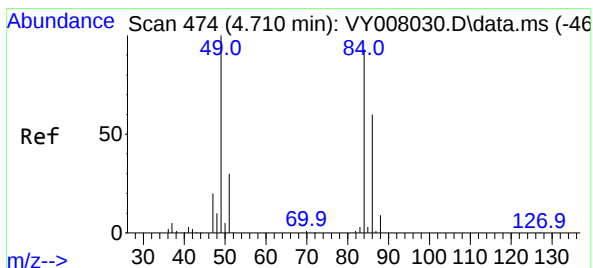
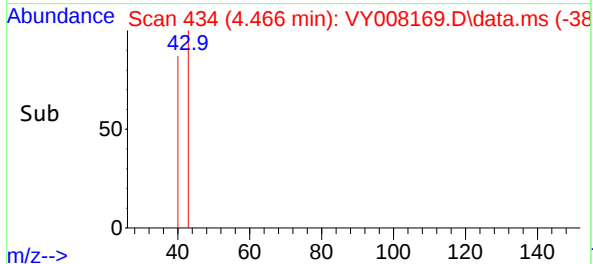
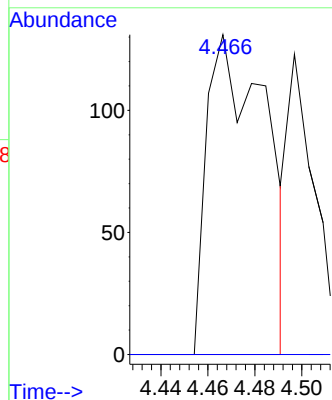
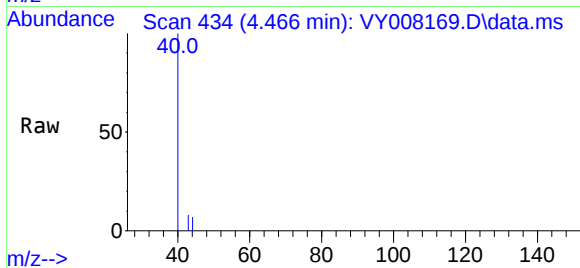
A05015

Tgt Ion: 43 Resp: 228

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY008169.D

Acq: 01 Apr 2022 18:24

Tgt Ion: 84 Resp: 3321

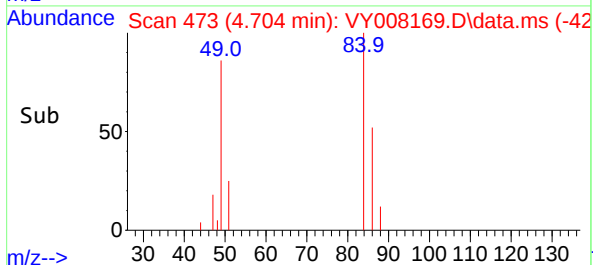
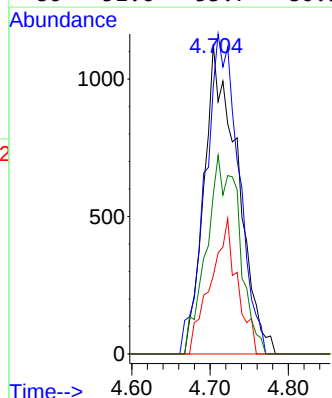
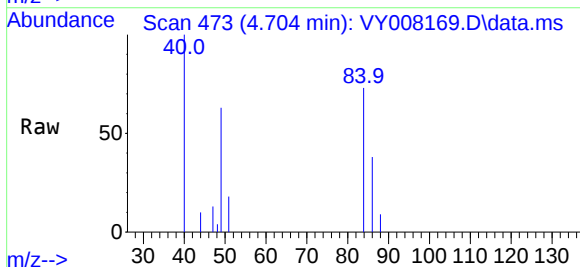
Ion Ratio Lower Upper

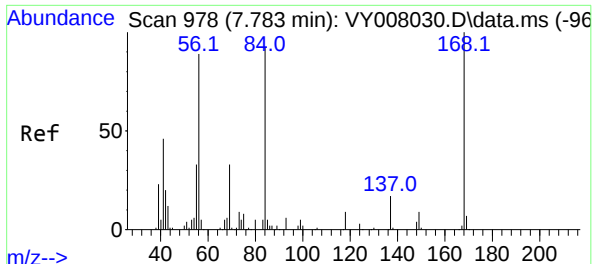
84 100

49 86.4 114.4 171.6#

51 25.3 35.3 52.9#

86 51.6 53.7 80.5#

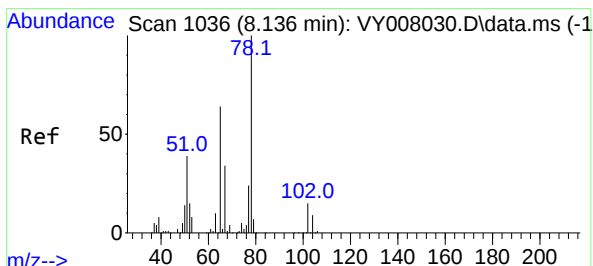
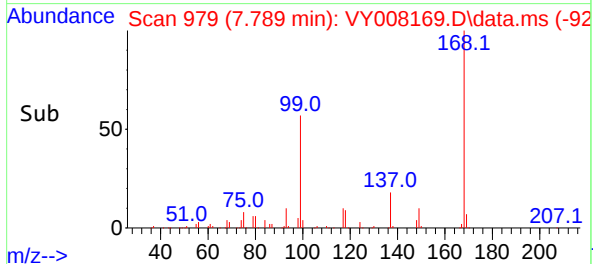
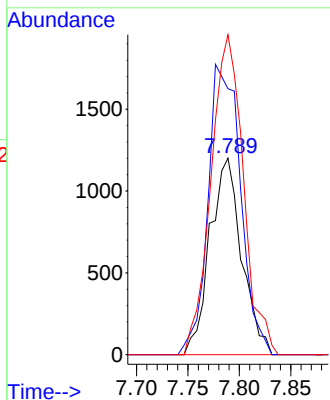
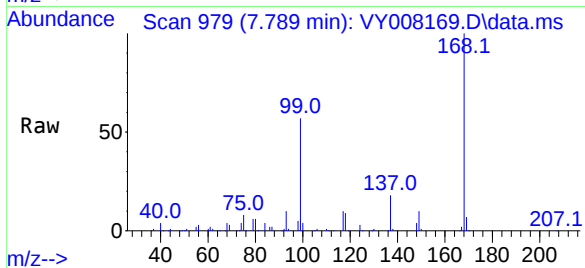




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

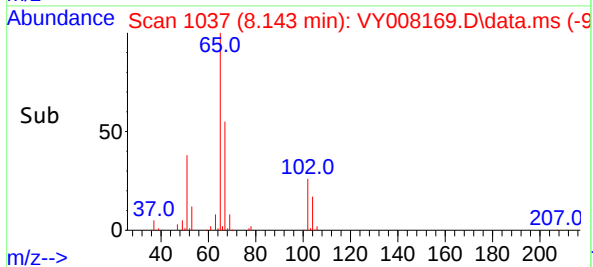
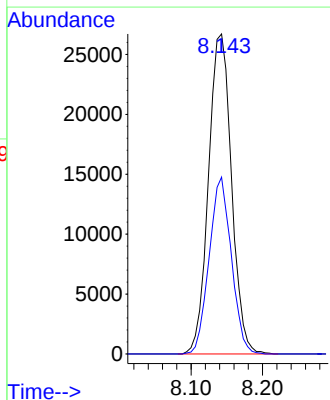
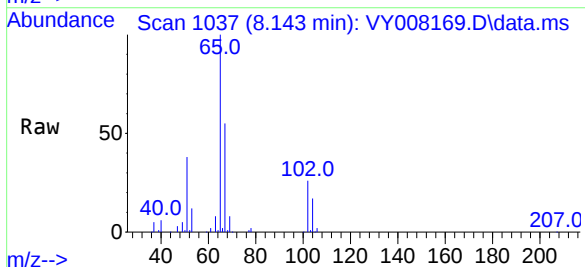
Instrument :
MSVOA_Y
ClientSampleId :
A05015

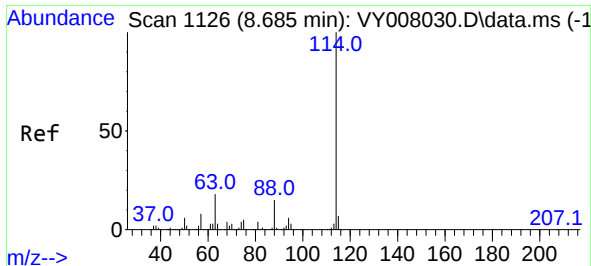
Tgt Ion: 56 Resp: 2580
Ion Ratio Lower Upper
56 100
69 135.3 26.7 40.1#
84 162.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.620 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

Tgt Ion: 65 Resp: 59800
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY008169.D

Acq: 01 Apr 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

A05015

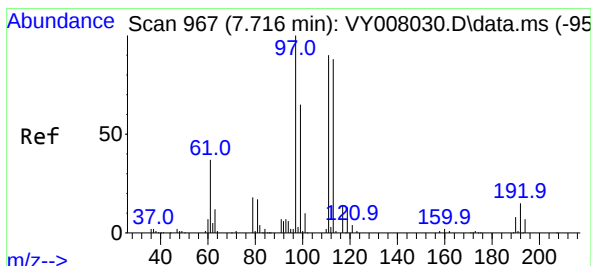
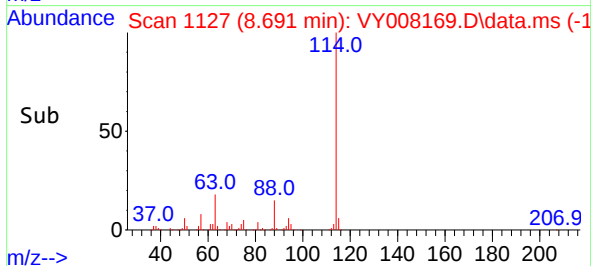
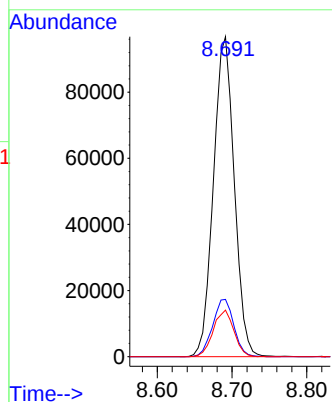
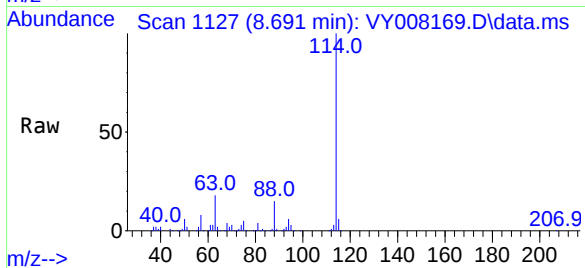
Tgt Ion:114 Resp: 187364

Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 14.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.545 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008169.D

Acq: 01 Apr 2022 18:24

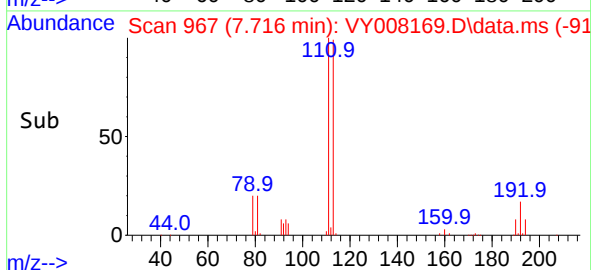
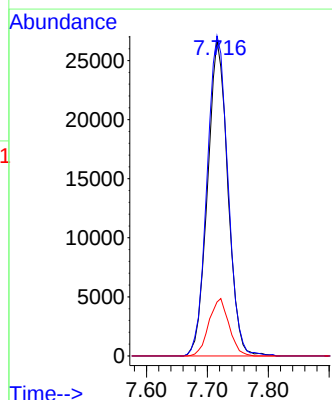
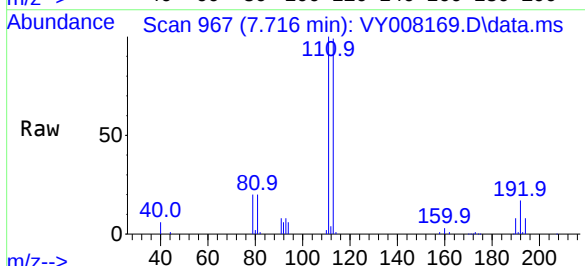
Tgt Ion:113 Resp: 61726

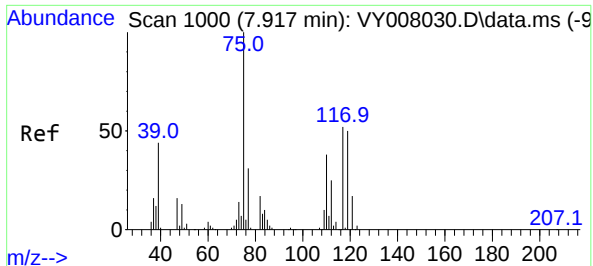
Ion Ratio Lower Upper

113 100

111 104.7 82.6 124.0

192 18.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.676 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008169.D

Acq: 01 Apr 2022 18:24

Instrument :

MSVOA_Y

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A05015

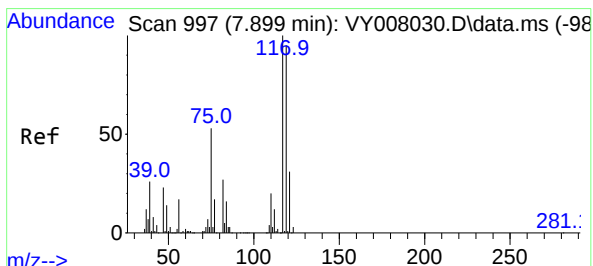
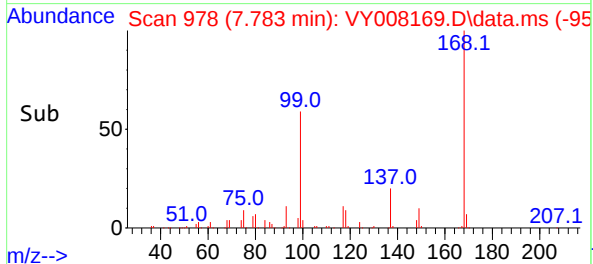
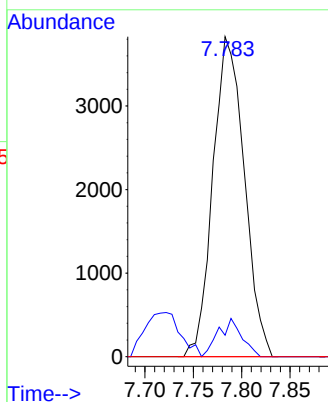
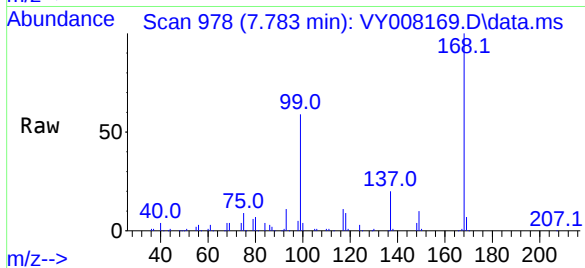
Tgt Ion: 75 Resp: 8628

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.552 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008169.D

Acq: 01 Apr 2022 18:24

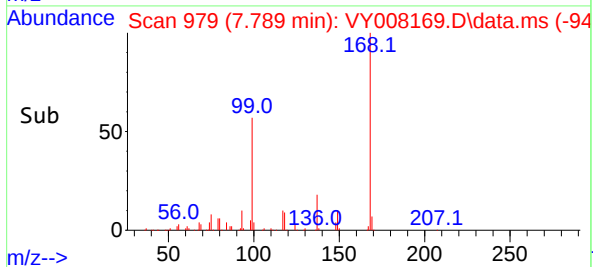
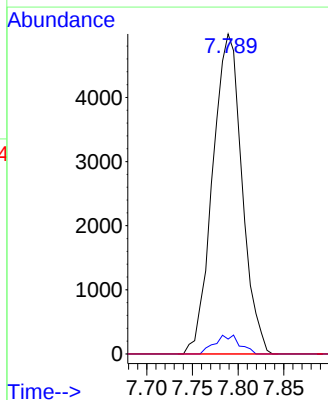
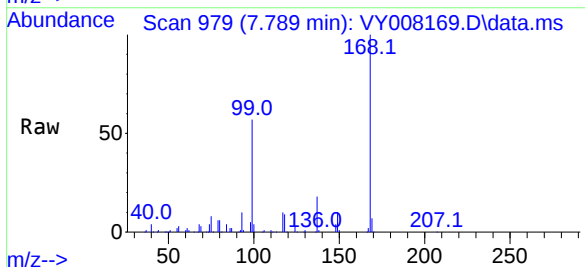
Tgt Ion: 117 Resp: 11165

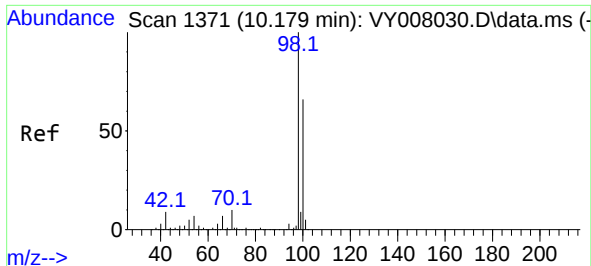
Ion Ratio Lower Upper

117 100

119 4.6 77.9 116.9#

121 0.0 24.8 37.2#

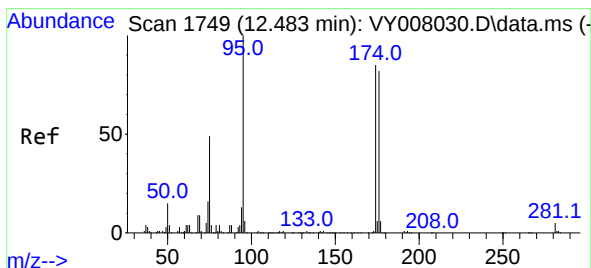
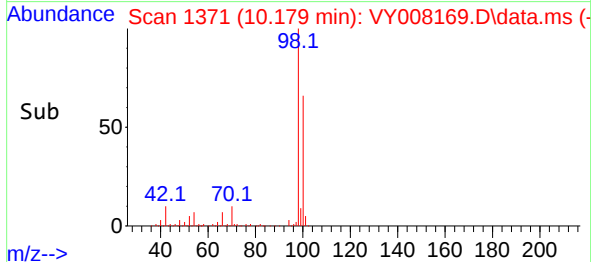
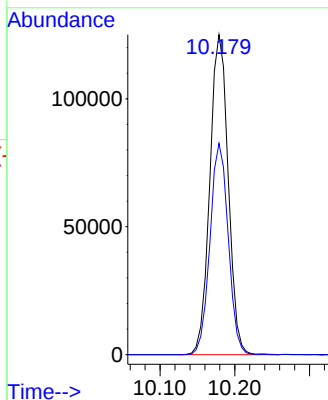
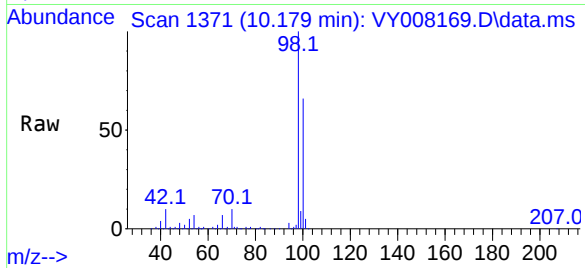




#50
Toluene-d8
Concen: 48.246 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

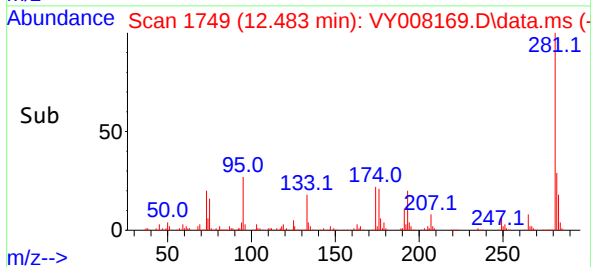
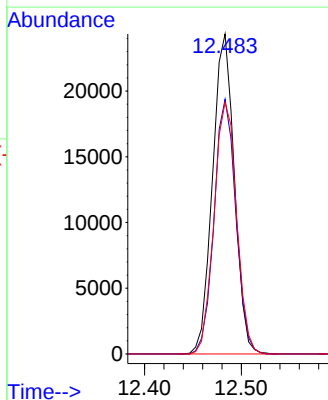
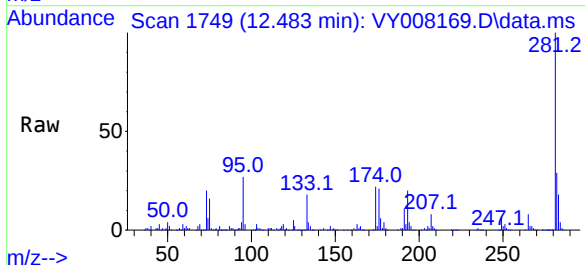
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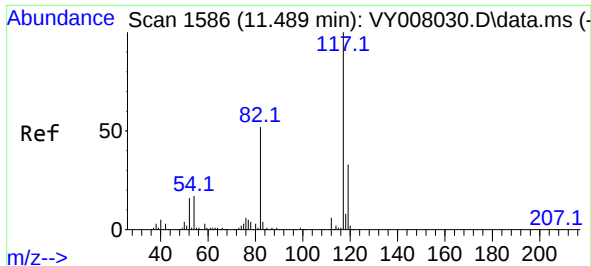
Tgt Ion: 98 Resp: 213524
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 24.387 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

Tgt Ion: 95 Resp: 38079
Ion Ratio Lower Upper
95 100
174 79.2 0.0 177.0
176 81.2 0.0 175.8

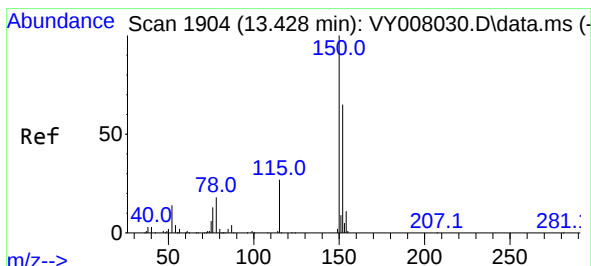
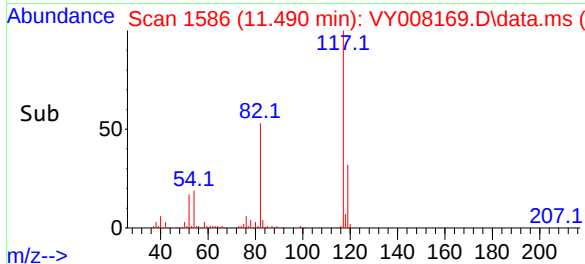
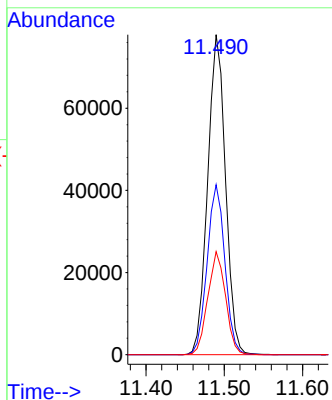
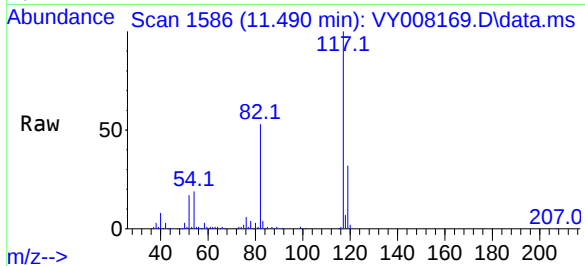




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

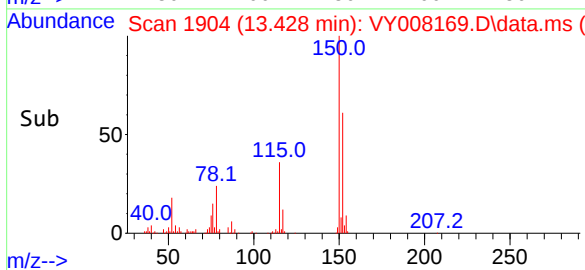
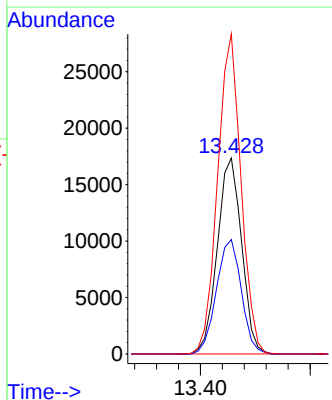
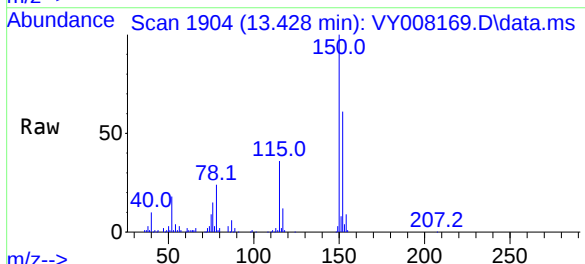
Instrument :
MSVOA_Y
ClientSampleId :
A05015

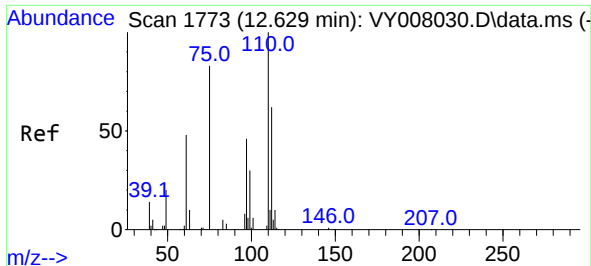
Tgt Ion:117 Resp: 123153
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

Tgt Ion:152 Resp: 26709
Ion Ratio Lower Upper
152 100
115 59.8 28.2 84.7
150 157.3 0.0 347.6

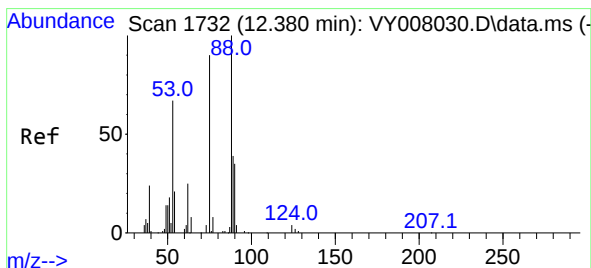
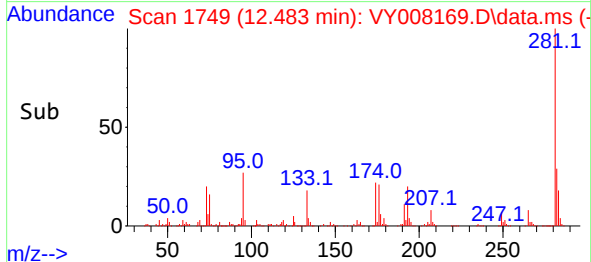
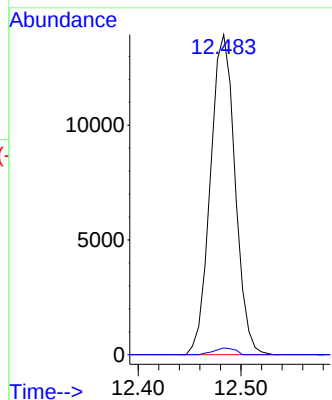
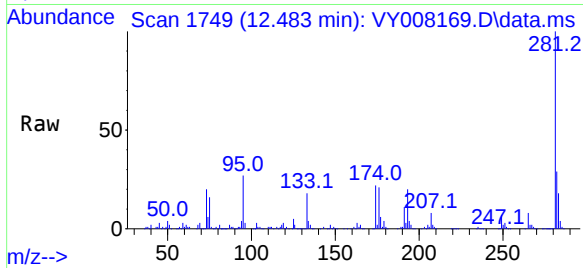




#76
1,2,3-Trichloropropane
Concen: 71.333 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
A05015

Tgt Ion: 75 Resp: 23225
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 159.156 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008169.D
Acq: 01 Apr 2022 18:24

Tgt Ion: 75 Resp: 23225
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 6.3 37.0 55.4#

