

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007904.D
 Acq On : 18 Mar 2022 15:57
 Operator : SY/MD
 Sample : N1948-02
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-5

Quant Time: Mar 19 01:36:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

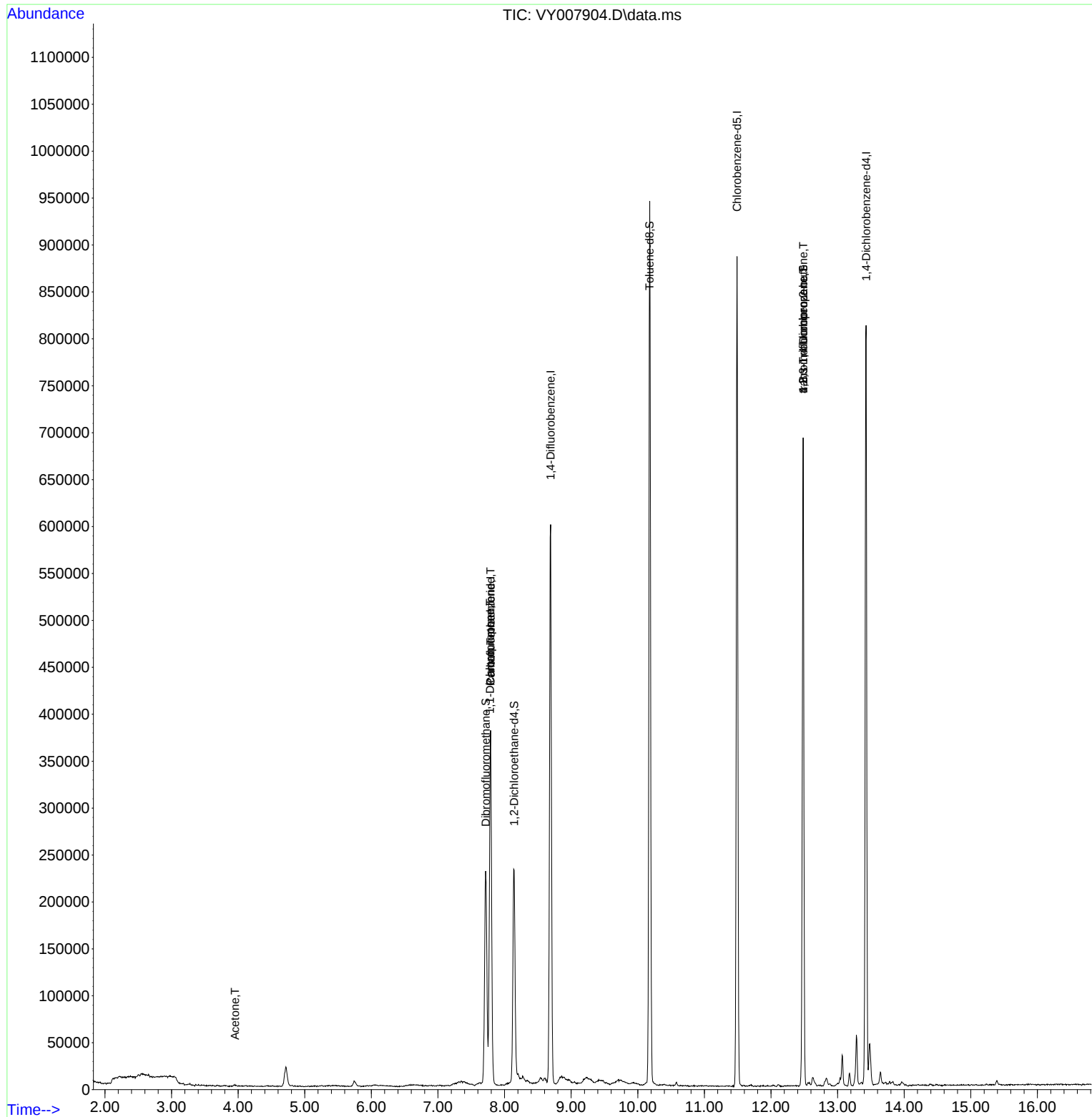
Internal Standards						
1) Pentafluorobenzene	7.789	168	283810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	517967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	476069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	208794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	172562	53.326	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.660%	
35) Dibromofluoromethane	7.716	113	162144	44.574	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.140%	
50) Toluene-d8	10.179	98	622999	57.617	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.240%	
62) 4-Bromofluorobenzene	12.483	95	221893	42.503	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	181	Below Cal	#	43
3) Chloromethane	2.113	50	1311	Below Cal	#	80
4) Vinyl Chloride	2.272	62	149	Below Cal	#	43
5) Bromomethane	2.668	94	473	Below Cal		81
16) Acetone	3.954	43	1582	1.843	ug/l #	84
17) Carbon Disulfide	4.192	76	47	Below Cal	#	75
18) Methyl Acetate	4.448	43	232	Below Cal	#	56
20) Methylene Chloride	4.716	84	15280	Below Cal	#	83
31) Cyclohexane	7.789	56	6361	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	23699	4.393	ug/l #	50
38) Carbon Tetrachloride	7.789	117	29449	5.108	ug/l #	14
39) Methylcyclohexane	9.185	83	41	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.483	75	112618	37.842	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	112618	79.483	ug/l #	8

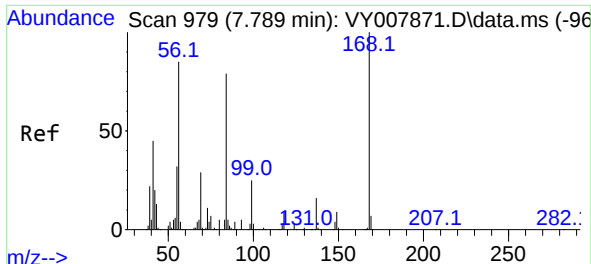
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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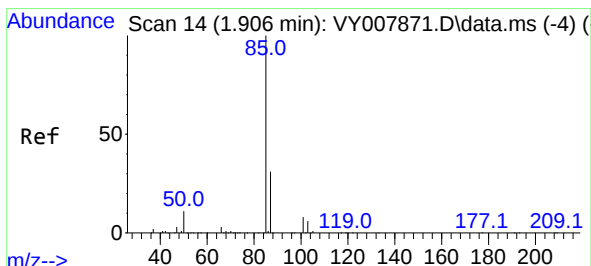
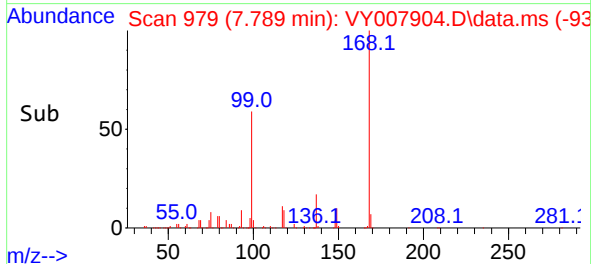
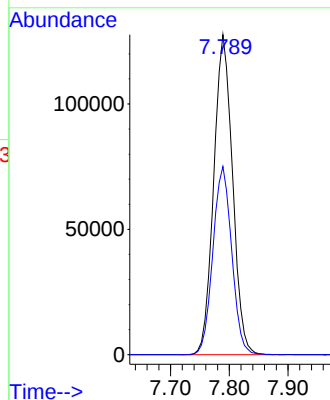
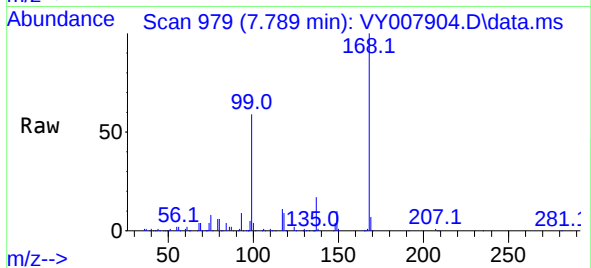




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

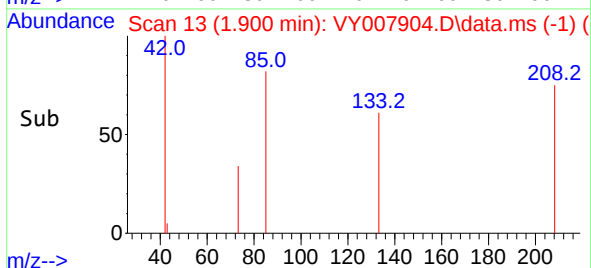
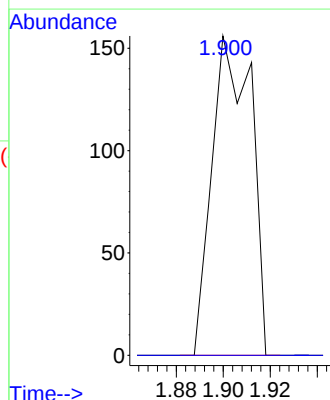
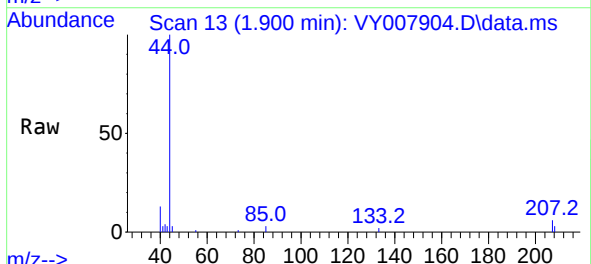
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

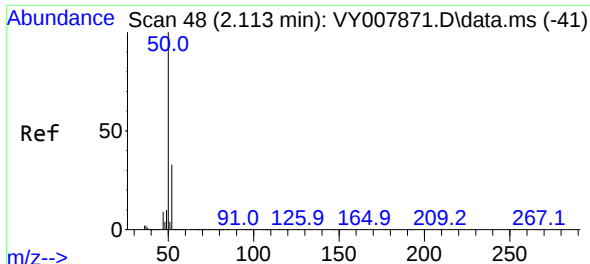
Tgt Ion:168 Resp: 283810
Ion Ratio Lower Upper
168 100
99 58.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

Tgt Ion: 85 Resp: 181
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

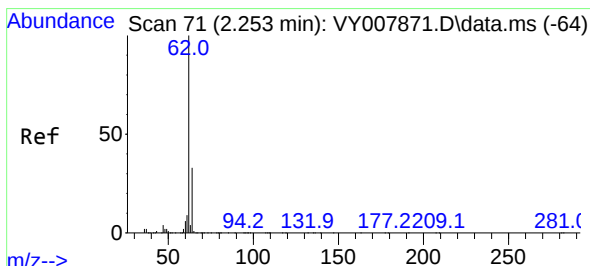
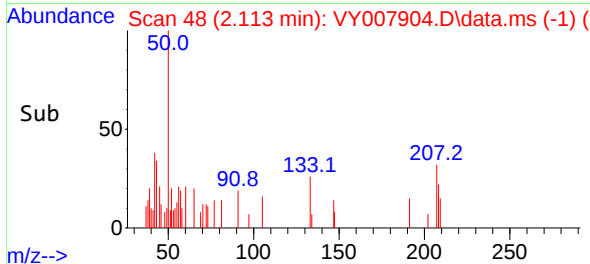
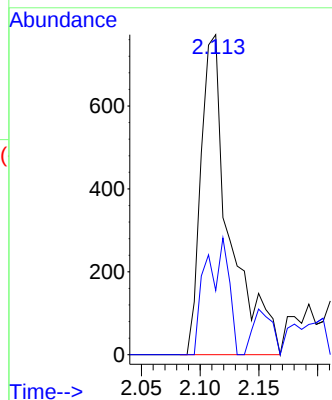
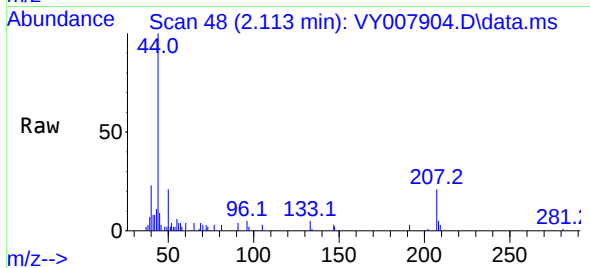




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

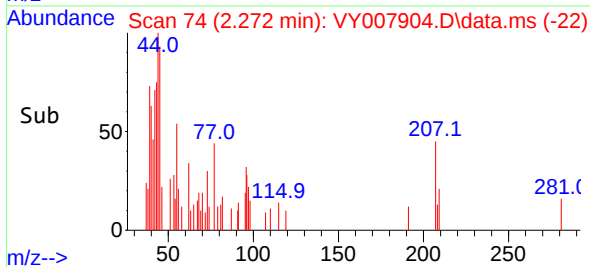
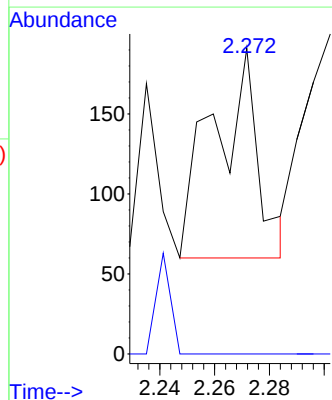
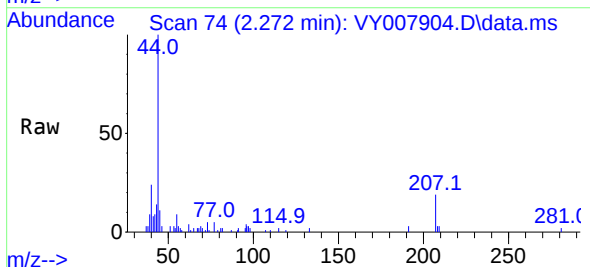
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

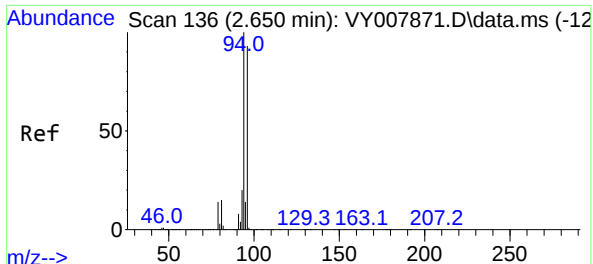
Tgt Ion: 50 Resp: 1311
Ion Ratio Lower Upper
50 100
52 20.1 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.272 min Scan# 74
Delta R.T. 0.018 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

Tgt Ion: 62 Resp: 149
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

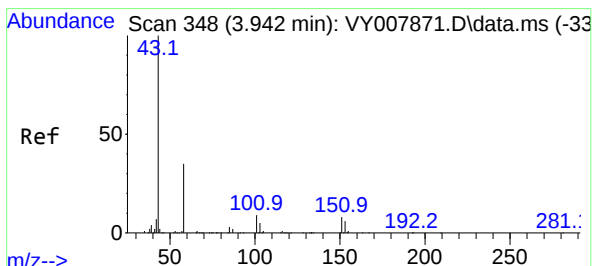
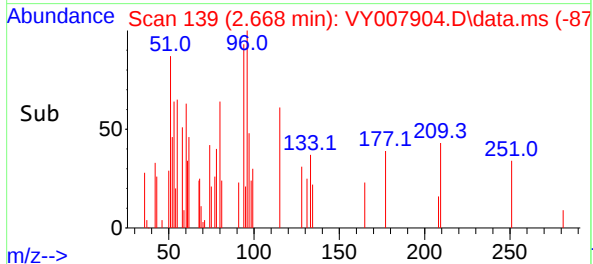
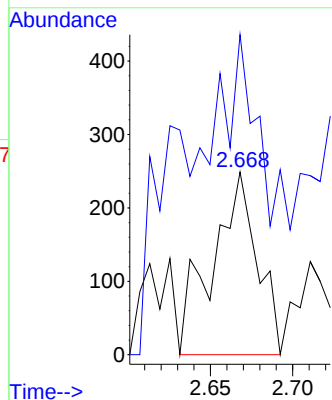
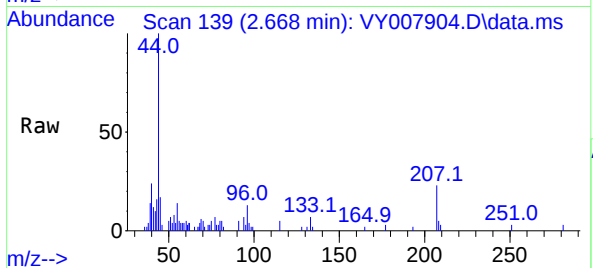




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

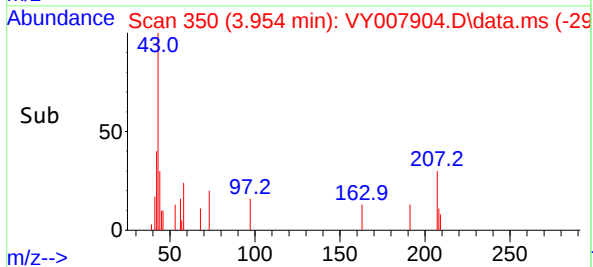
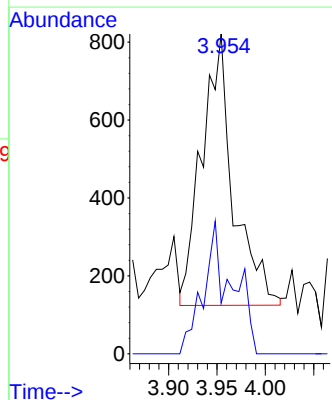
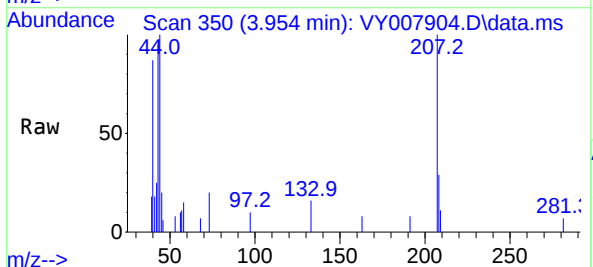
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

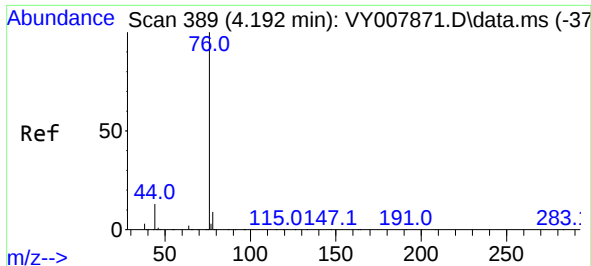
Tgt Ion: 94 Resp: 473
Ion Ratio Lower Upper
94 100
96 73.9 73.5 110.3



#16
Acetone
Concen: 1.843 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

Tgt Ion: 43 Resp: 1582
Ion Ratio Lower Upper
43 100
58 19.1 22.0 33.0#

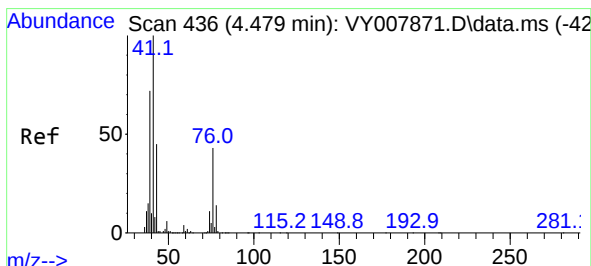
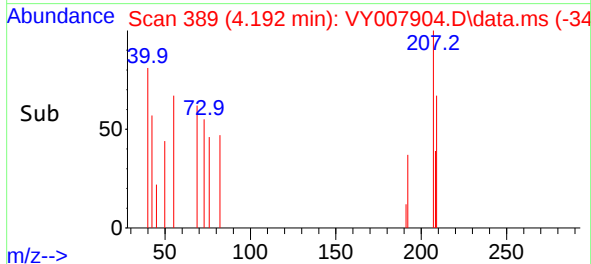
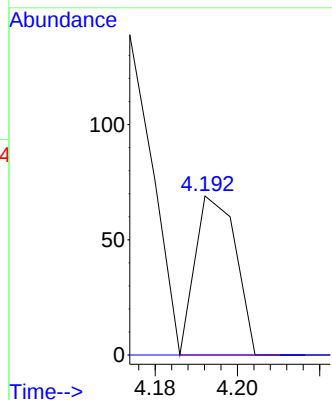
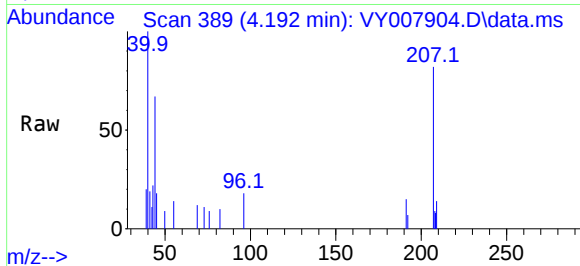




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

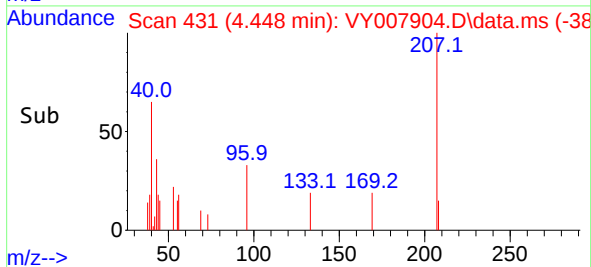
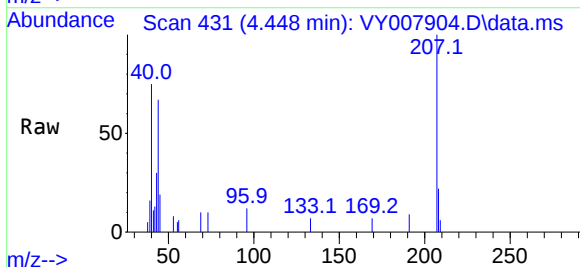
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

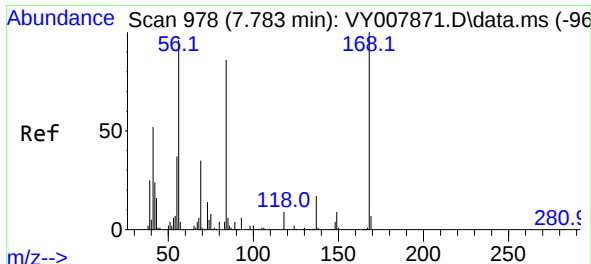
Tgt Ion: 76 Resp: 47
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.448 min Scan# 431
Delta R.T. -0.025 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

Tgt Ion: 43 Resp: 232
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY007904.D

Acq: 18 Mar 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

COMP-5

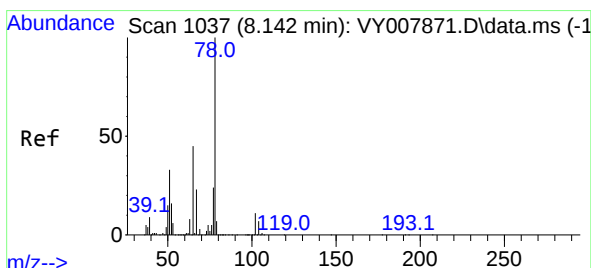
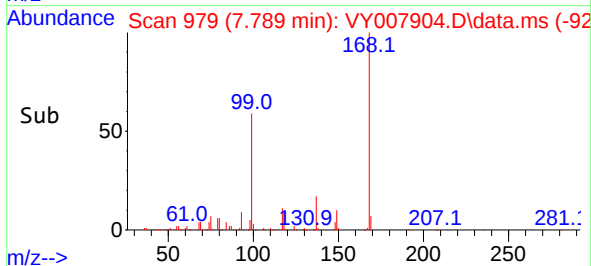
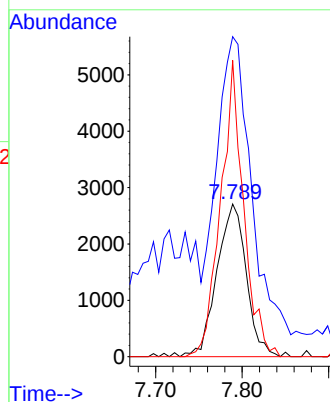
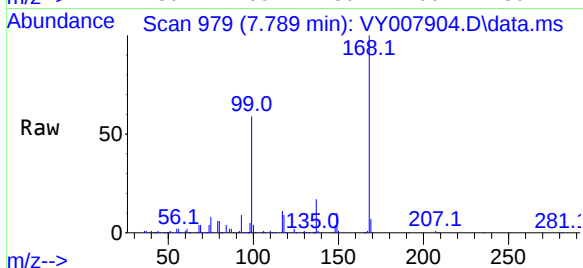
Tgt Ion: 56 Resp: 6361

Ion Ratio Lower Upper

56 100

69 179.5 26.7 40.1#

84 194.2 67.2 100.8#



#33

1,2-Dichloroethane-d4

Concen: 53.326 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007904.D

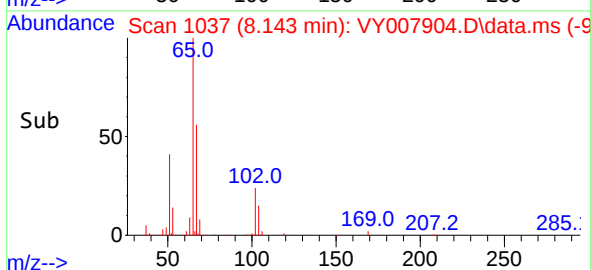
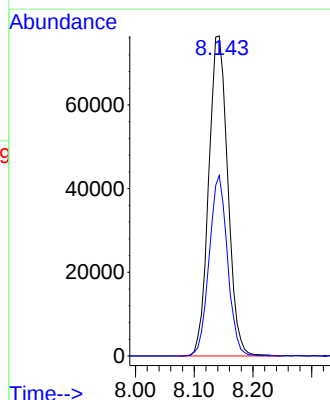
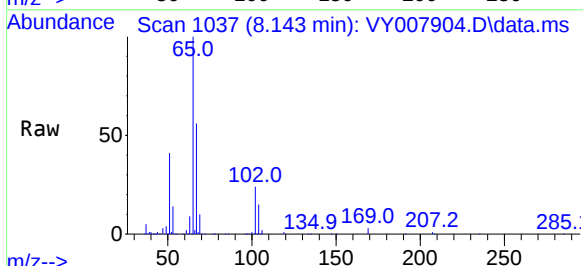
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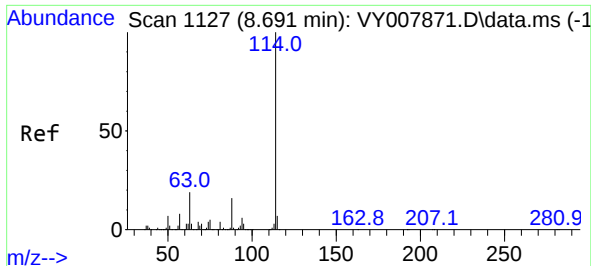
Tgt Ion: 65 Resp: 172562

Ion Ratio Lower Upper

65 100

67 54.1 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: VY007904.D

Acq: 18 Mar 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

COMP-5

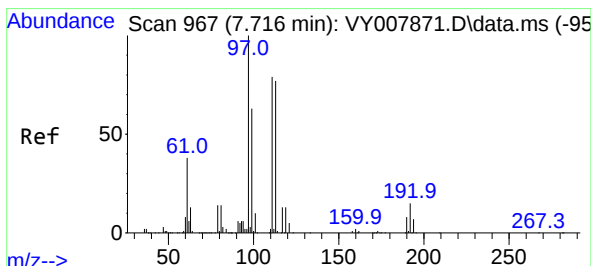
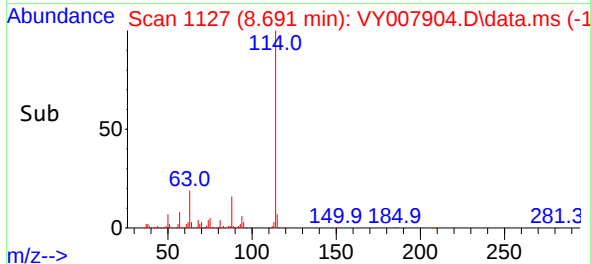
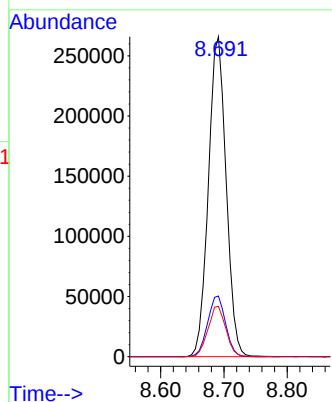
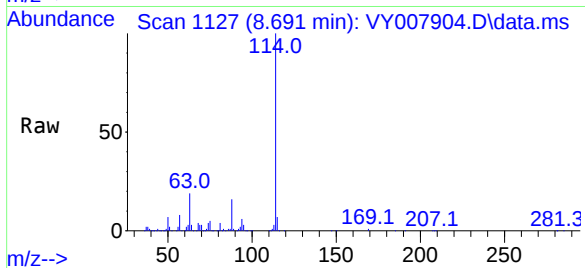
Tgt Ion:114 Resp: 517967

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.574 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007904.D

Acq: 18 Mar 2022 15:57

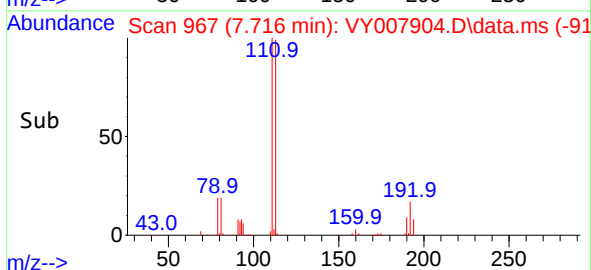
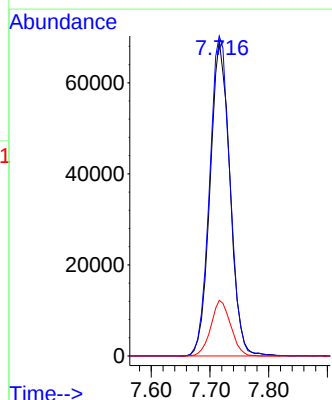
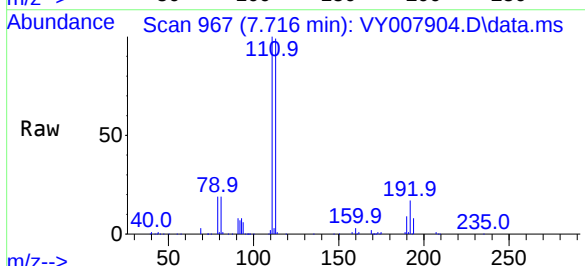
Tgt Ion:113 Resp: 162144

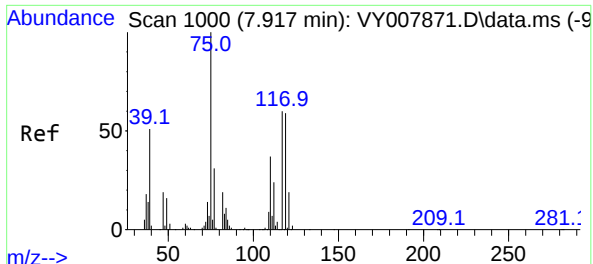
Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 17.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007904.D

Acq: 18 Mar 2022 15:57

Instrument :

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COMP-5

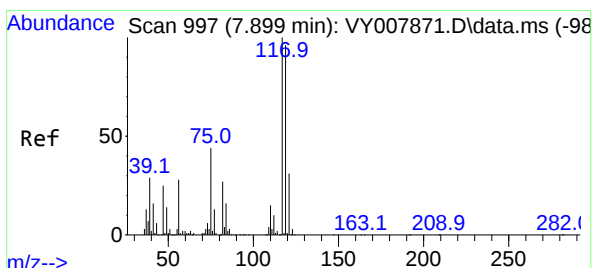
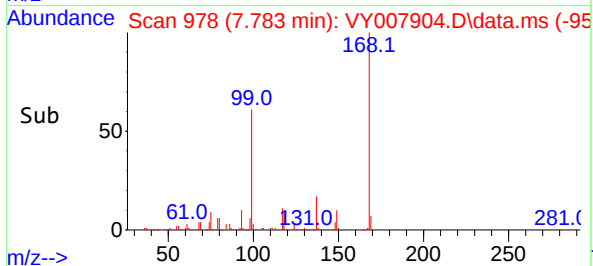
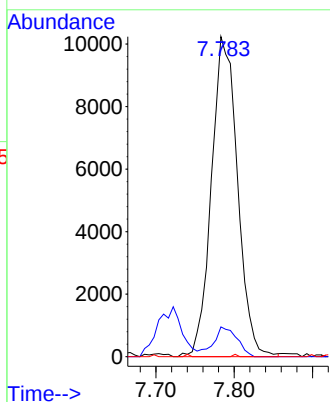
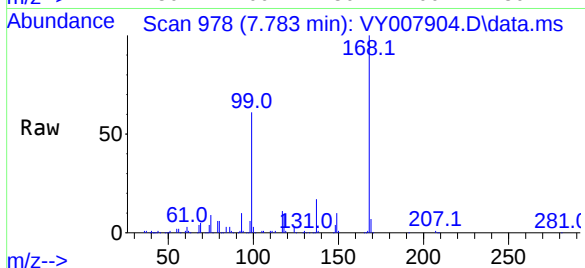
Tgt Ion: 75 Resp: 23699

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.1 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.108 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007904.D

Acq: 18 Mar 2022 15:57

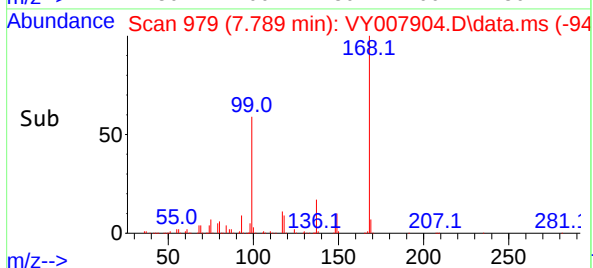
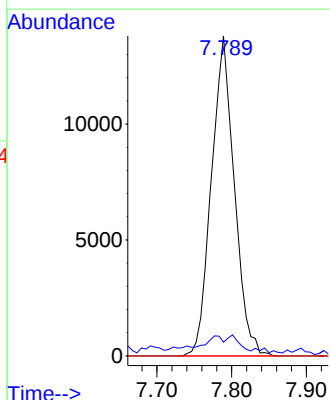
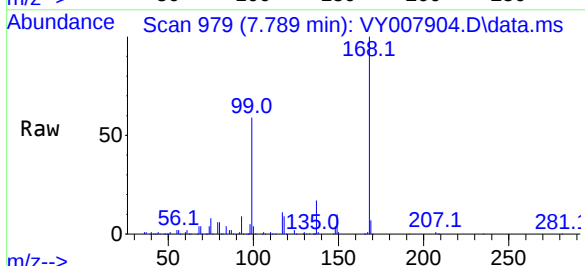
Tgt Ion: 117 Resp: 29449

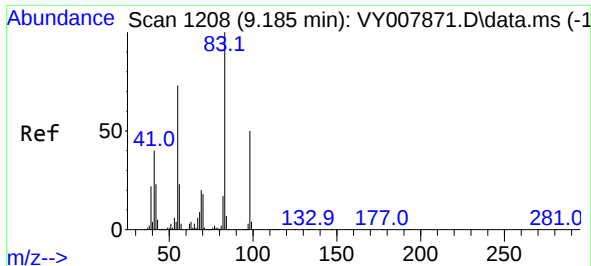
Ion Ratio Lower Upper

117 100

119 3.2 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.185 min Scan# 1208

Delta R.T. 0.000 min

Lab File: VY007904.D

Acq: 18 Mar 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

COMP-5

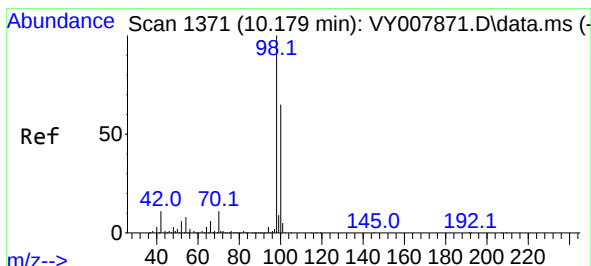
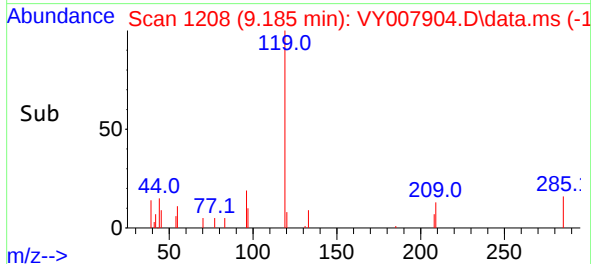
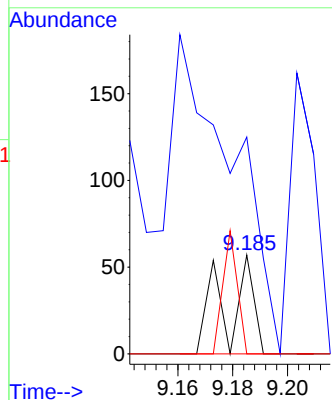
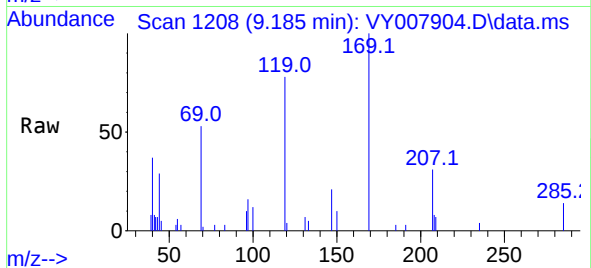
Tgt Ion: 83 Resp: 41

Ion Ratio Lower Upper

83 100

55 219.3 66.5 99.7#

98 0.0 37.9 56.9#



#50

Toluene-d8

Concen: 57.617 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007904.D

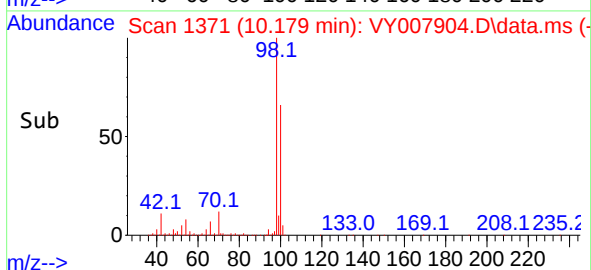
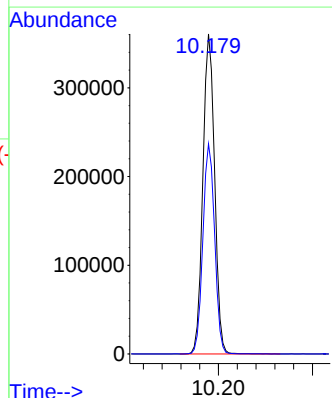
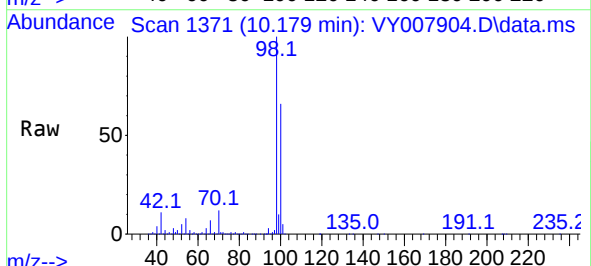
Acq: 18 Mar 2022 15:57

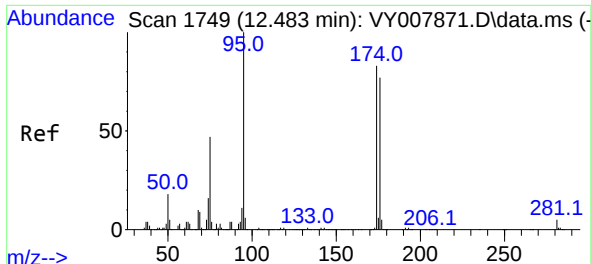
Tgt Ion: 98 Resp: 622999

Ion Ratio Lower Upper

98 100

100 65.6 50.2 75.2

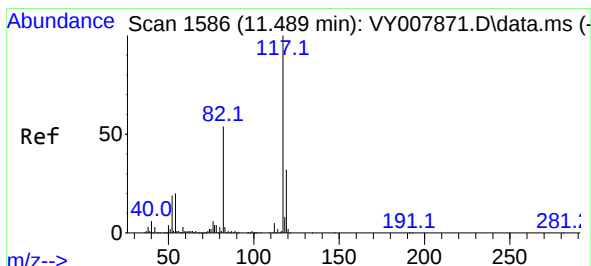
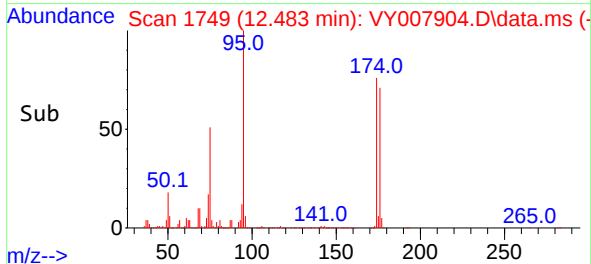
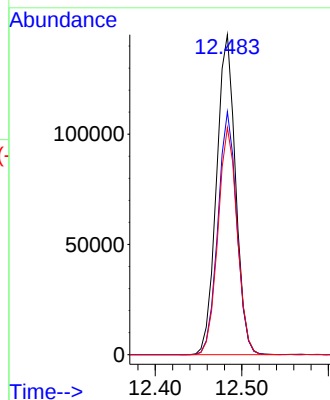
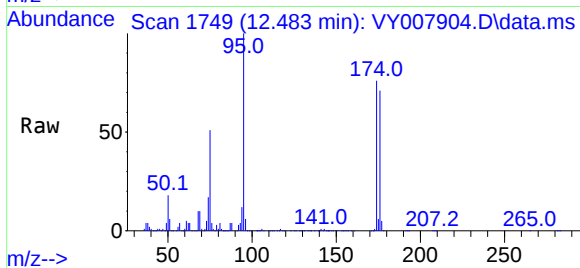




#62
4-Bromofluorobenzene
Concen: 42.503 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

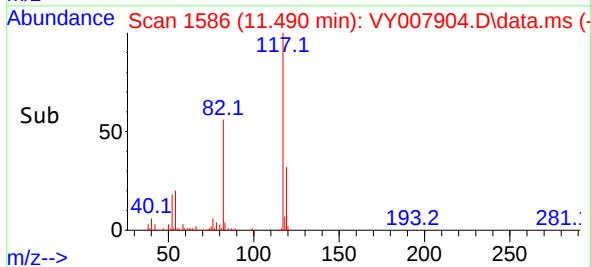
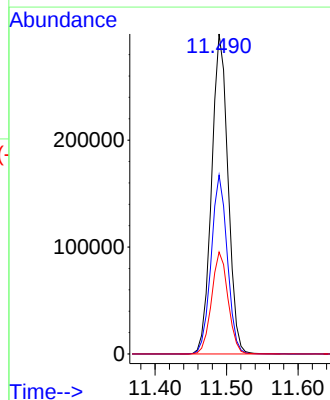
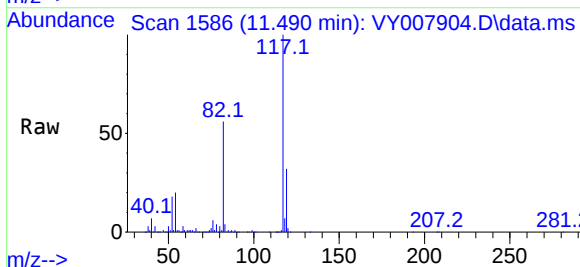
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

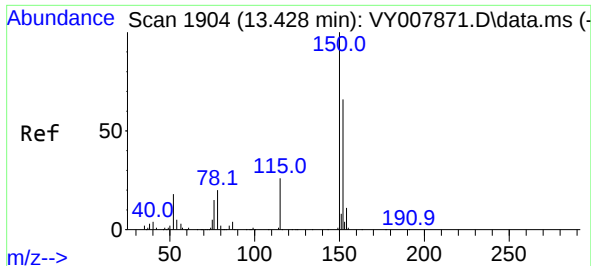
Tgt Ion: 95 Resp: 221893
Ion Ratio Lower Upper
95 100
174 75.1 0.0 177.0
176 71.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

Tgt Ion: 117 Resp: 476069
Ion Ratio Lower Upper
117 100
82 55.9 43.0 64.4
119 31.9 25.4 38.0

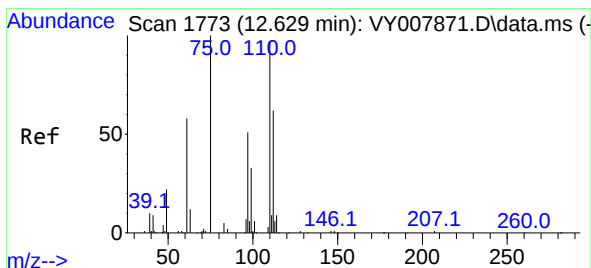
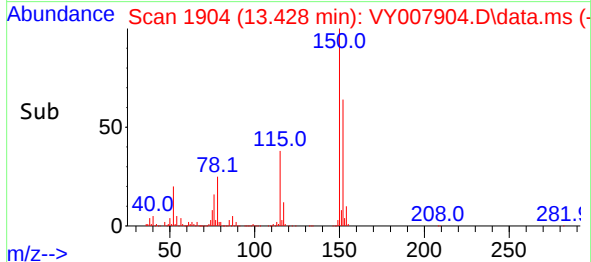
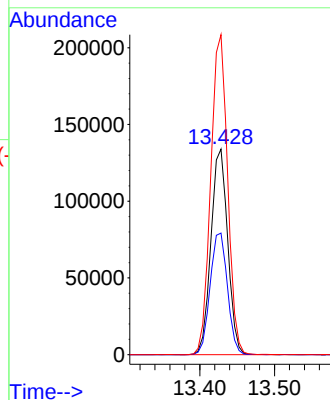
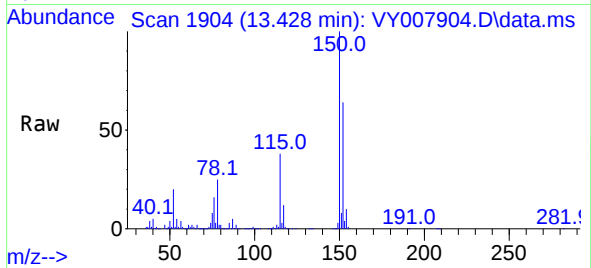




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY007904.D
 Acq: 18 Mar 2022 15:57

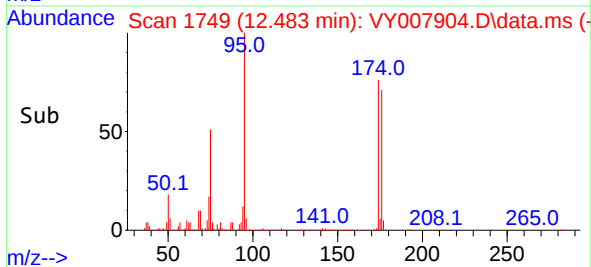
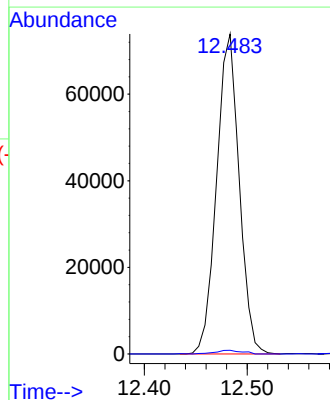
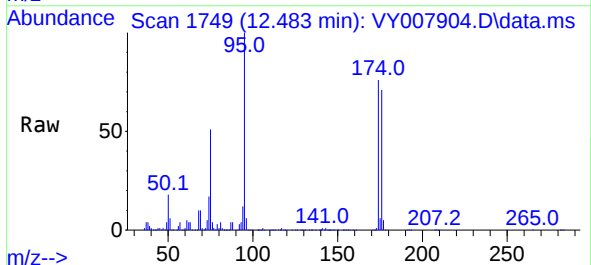
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-5

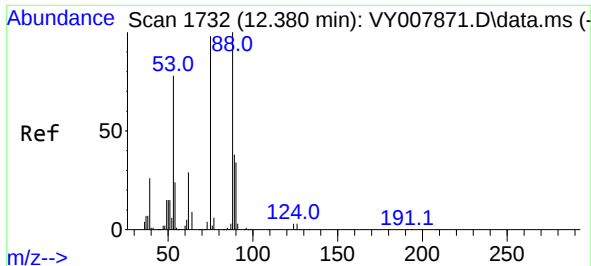
Tgt Ion:152 Resp: 208794
 Ion Ratio Lower Upper
 152 100
 115 61.1 28.2 84.7
 150 156.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 37.842 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007904.D
 Acq: 18 Mar 2022 15:57

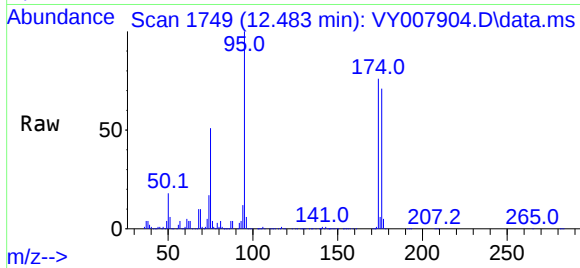
Tgt Ion: 75 Resp: 112618
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 79.483 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY007904.D
Acq: 18 Mar 2022 15:57

Instrument :
MSVOA_Y
ClientSampleId :
COMP-5



Tgt Ion: 75 Resp: 112618
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 0.1 37.0 55.4#

