

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040822\
 Data File : VY008258.D
 Acq On : 08 Apr 2022 14:35
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 08 16:09:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

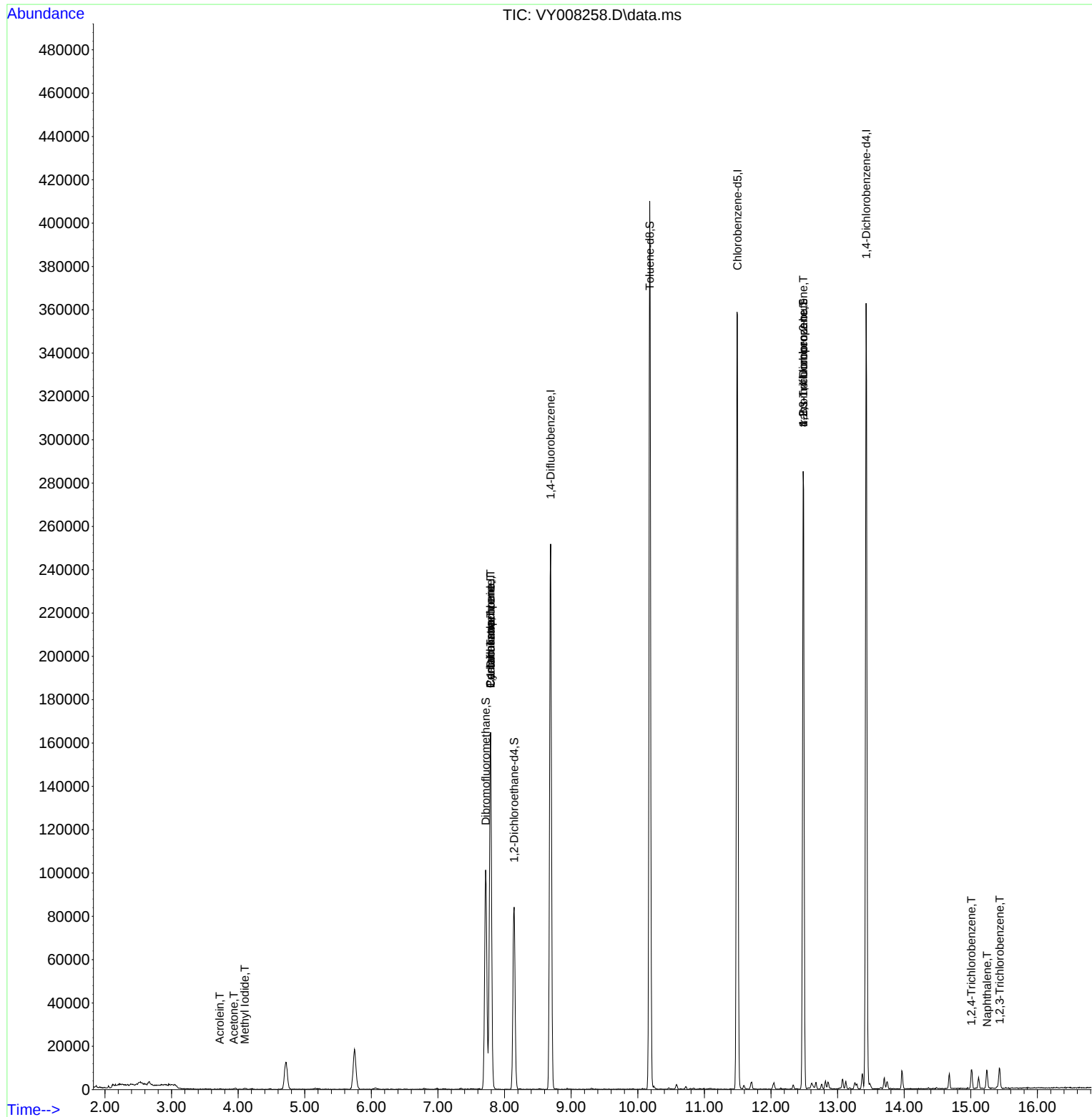
Internal Standards						
1) Pentafluorobenzene	7.789	168	131145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	231992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	214923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	64912	52.694	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.380%	
35) Dibromofluoromethane	7.716	113	72384	54.020	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.040%	
50) Toluene-d8	10.179	98	276622	60.332	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.660%	
62) 4-Bromofluorobenzene	12.483	95	92525	53.652	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.300%	
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	583	Below Cal		91
5) Bromomethane	2.668	94	1019	Below Cal		95
10) Methyl Iodide	4.101	142	855	2.896 ug/l	#	80
13) Acrolein	3.723	56	128	1.234 ug/l	#	73
16) Acetone	3.936	43	373	1.259 ug/l		93
18) Methyl Acetate	4.497	43	307	Below Cal	#	56
20) Methylene Chloride	4.716	84	10675	Below Cal	#	72
31) Cyclohexane	7.789	56	2497	1.121 ug/l	#	1
36) 1,1-Dichloropropene	7.789	75	9604	4.488 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	12557	5.455 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	46549	44.815 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46549	100.272 ug/l	#	7
93) 1,2,4-Trichlorobenzene	15.007	180	3066	1.719 ug/l		97
95) Naphthalene	15.245	128	7492	1.961 ug/l		99
96) 1,2,3-Trichlorobenzene	15.434	180	3198	2.049 ug/l		96

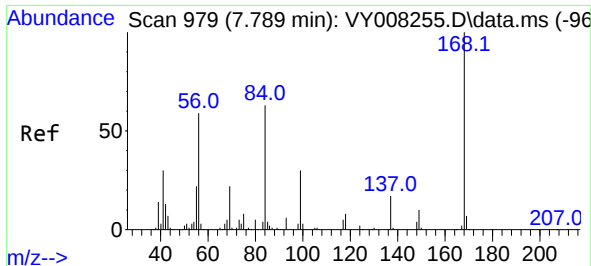
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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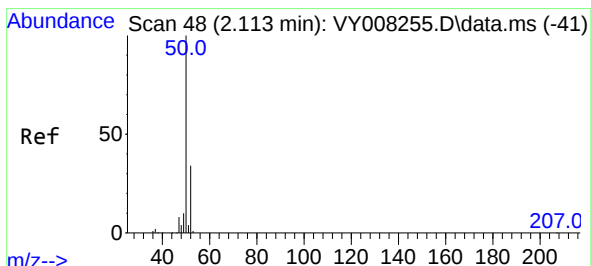
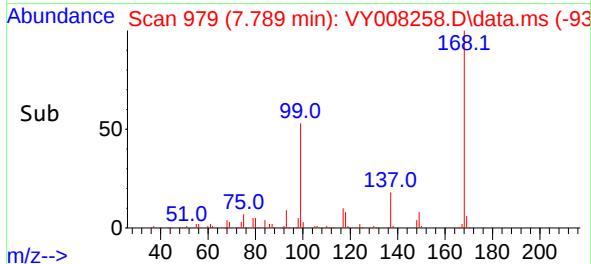
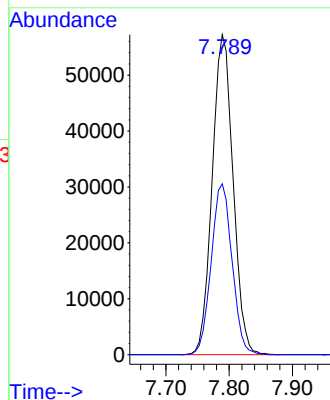
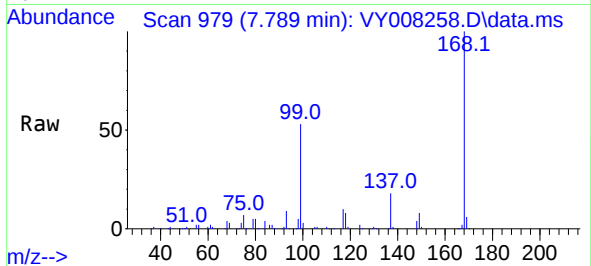




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

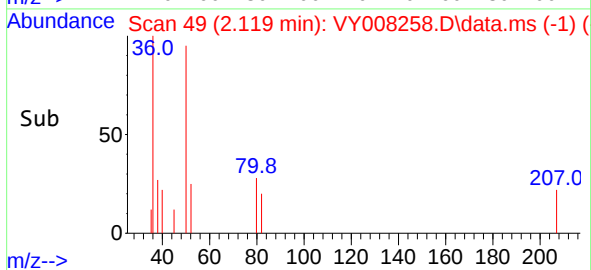
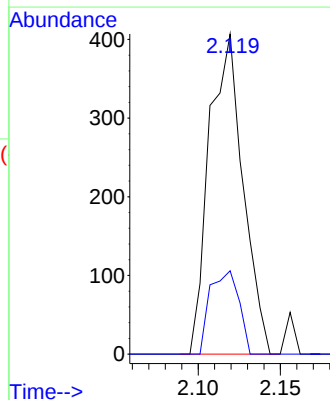
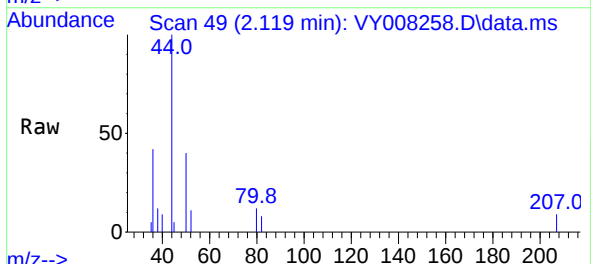
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

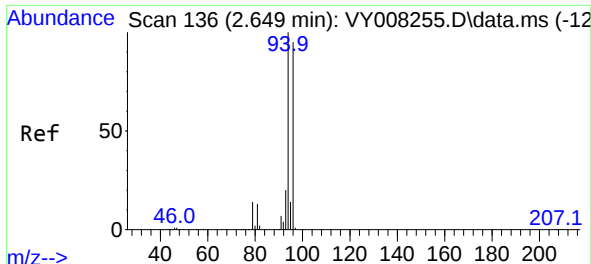
Tgt Ion:168 Resp: 131145
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

Tgt Ion: 50 Resp: 583
Ion Ratio Lower Upper
50 100
52 26.0 24.6 37.0

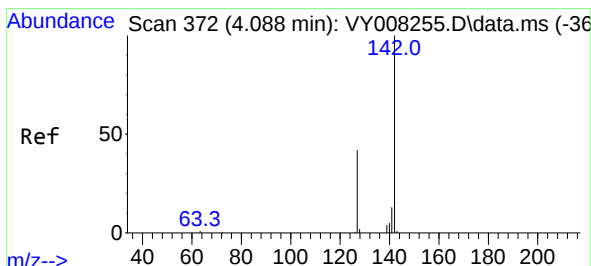
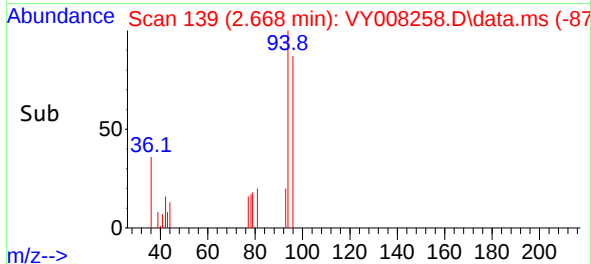
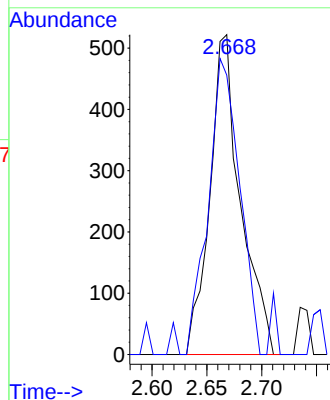
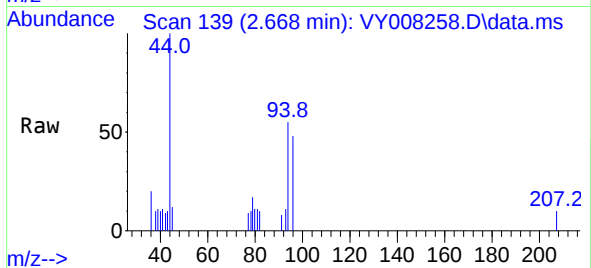




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

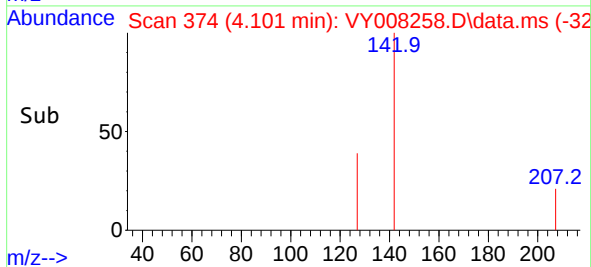
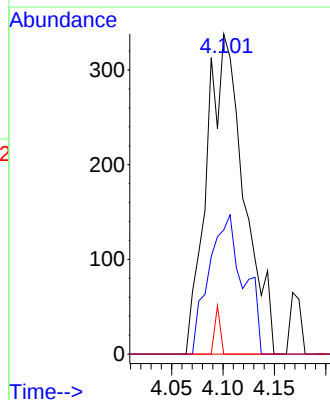
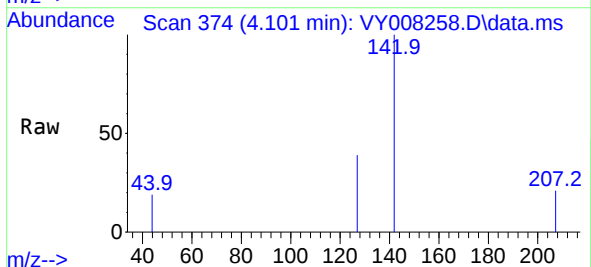
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

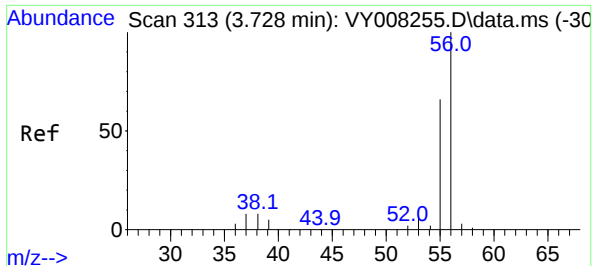
Tgt Ion: 94 Resp: 1019
Ion Ratio Lower Upper
94 100
96 87.4 73.5 110.3



#10
Methyl Iodide
Concen: 2.896 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

Tgt Ion: 142 Resp: 855
Ion Ratio Lower Upper
142 100
127 40.4 41.5 62.3#
141 2.2 11.9 17.9#

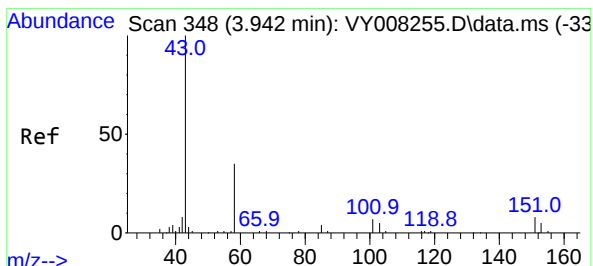
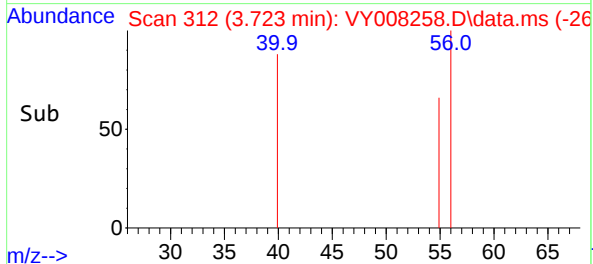
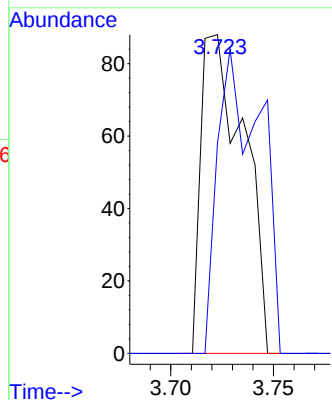
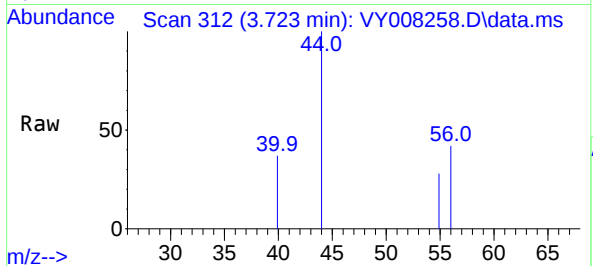




#13
Acrolein
Concen: 1.234 ug/l
RT: 3.723 min Scan# 31
Delta R.T. -0.005 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

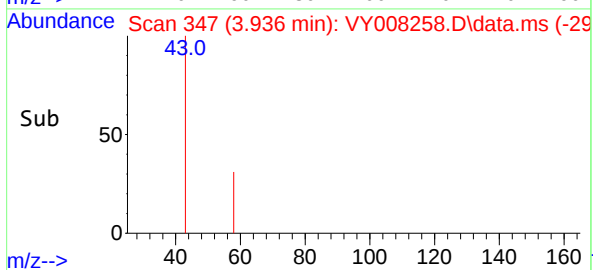
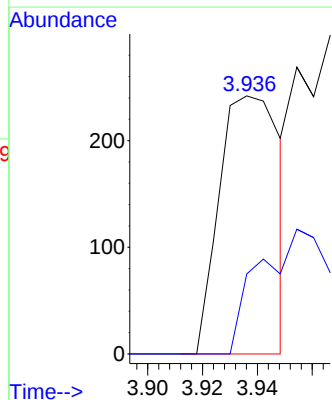
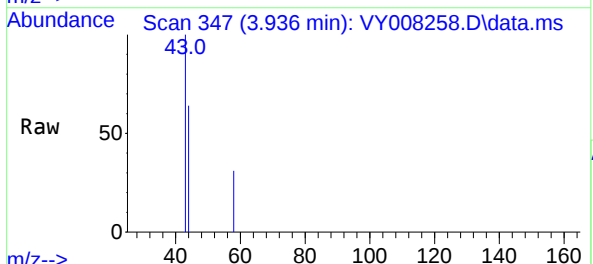
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

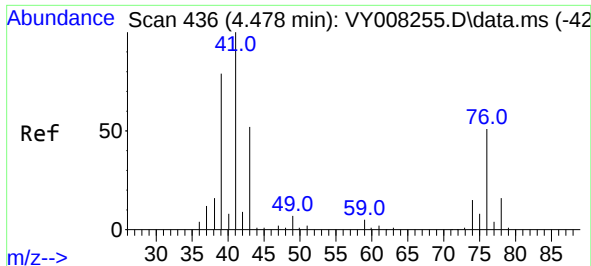
Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 94.5 57.6 86.4#



#16
Acetone
Concen: 1.259 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
58 31.0 22.0 33.0

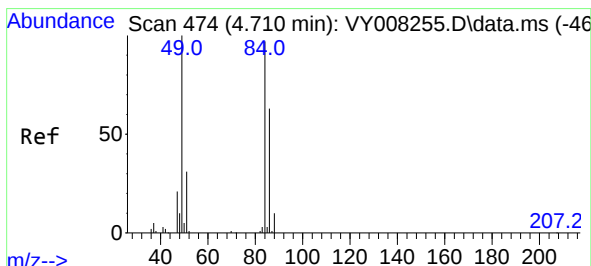
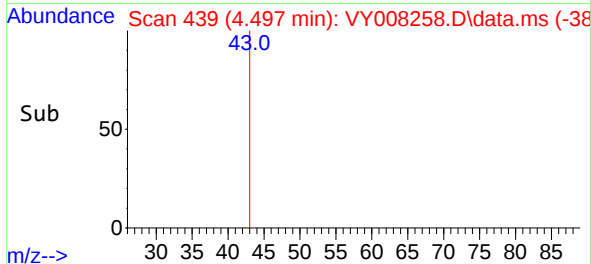
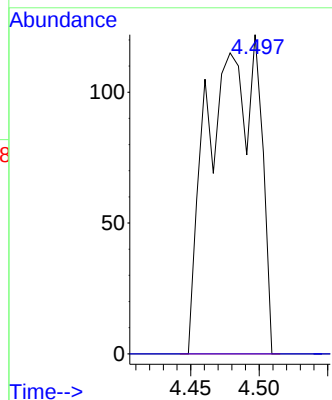
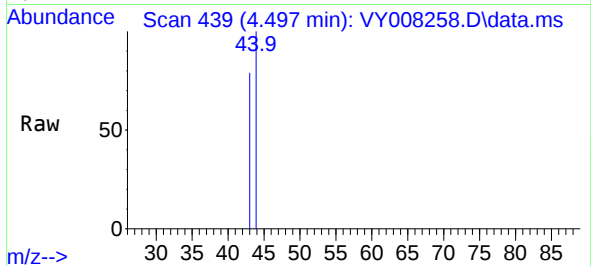




#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

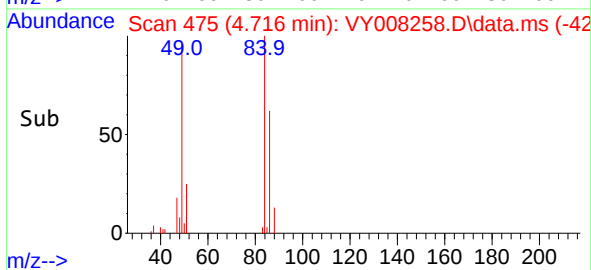
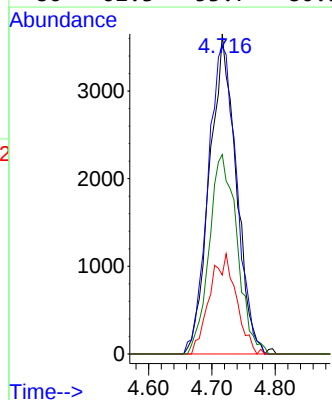
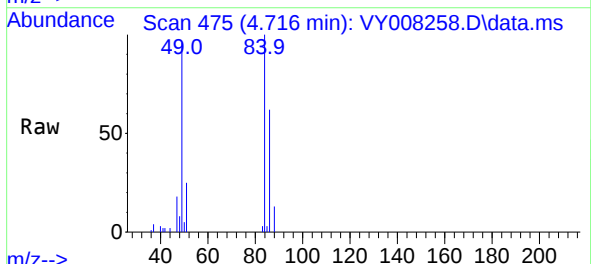
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

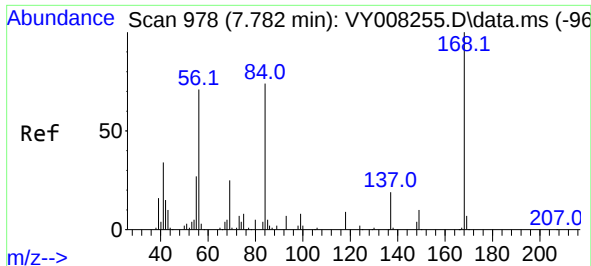
Tgt Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

Tgt Ion: 84 Resp: 10675
Ion Ratio Lower Upper
84 100
49 96.0 114.4 171.6#
51 24.7 35.3 52.9#
86 62.3 53.7 80.5

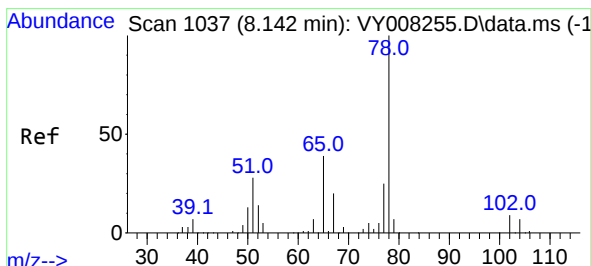
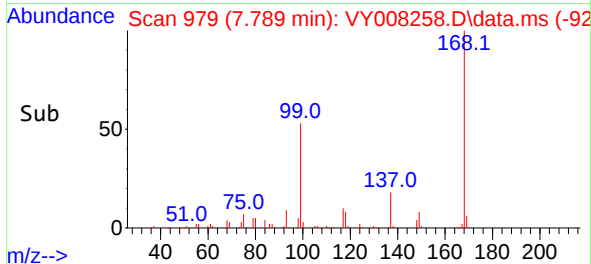
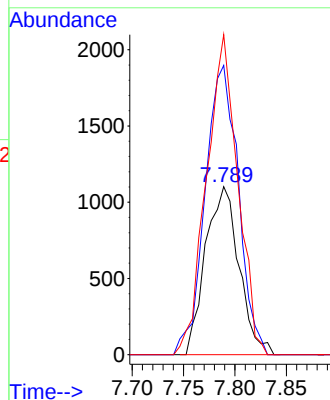
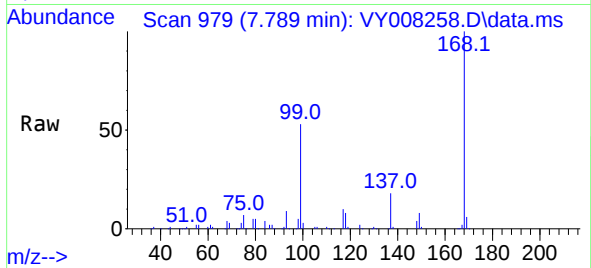




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

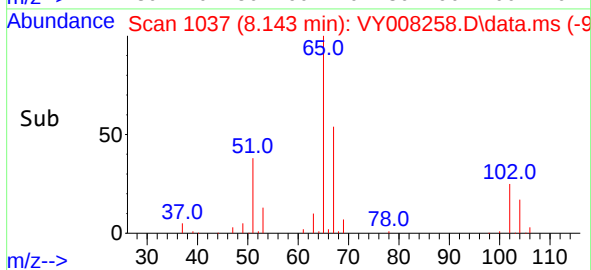
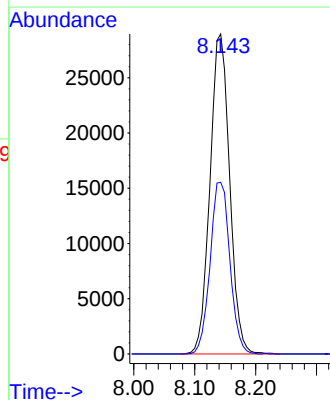
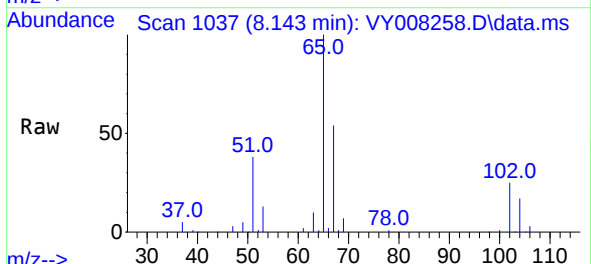
Instrument :
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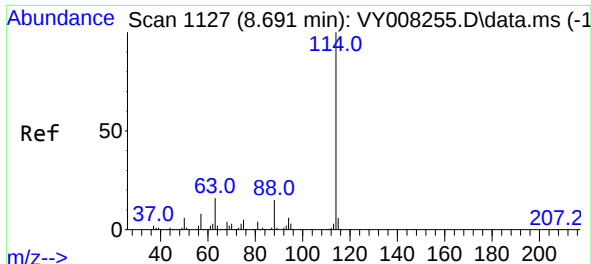
Tgt Ion: 56 Resp: 2497
Ion Ratio Lower Upper
56 100
69 172.2 26.7 40.1#
84 190.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.694 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

Tgt Ion: 65 Resp: 64912
Ion Ratio Lower Upper
65 100
67 53.9 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: VY008258.D

Acq: 08 Apr 2022 14:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

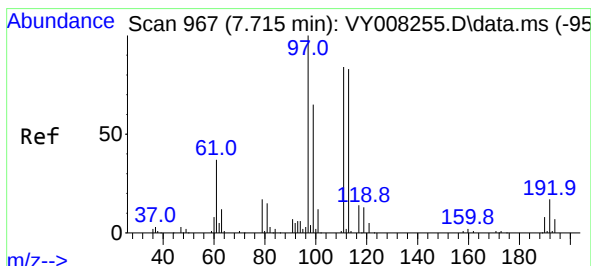
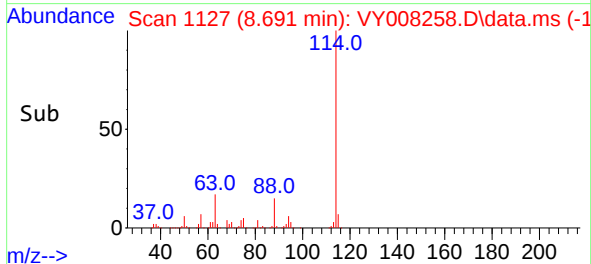
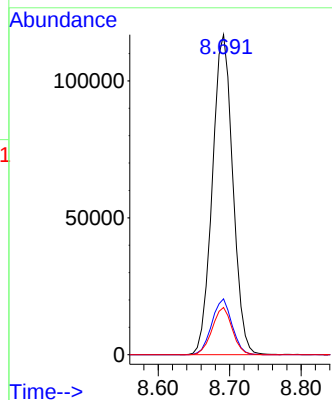
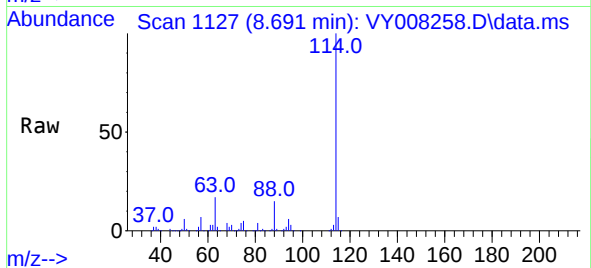
Tgt Ion:114 Resp: 231992

Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.020 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008258.D

Acq: 08 Apr 2022 14:35

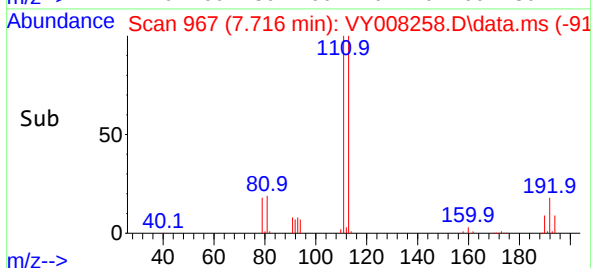
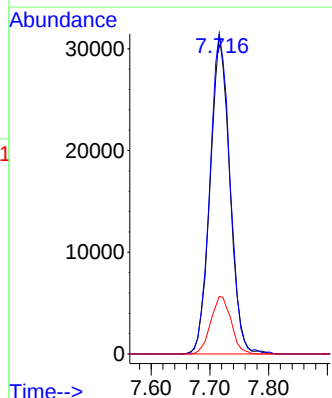
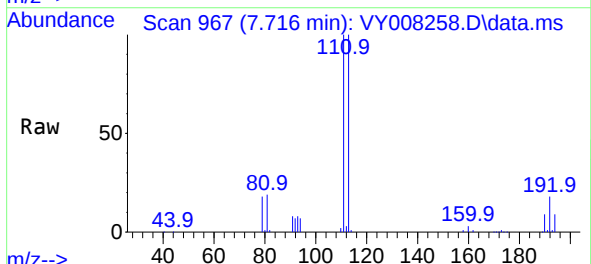
Tgt Ion:113 Resp: 72384

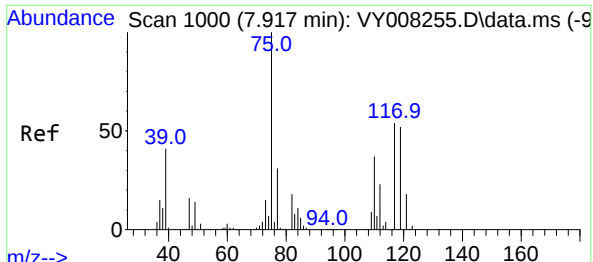
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 18.7 17.6 26.4

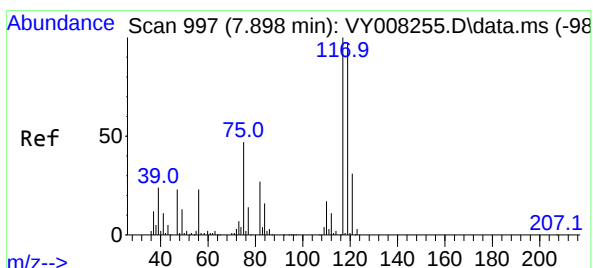
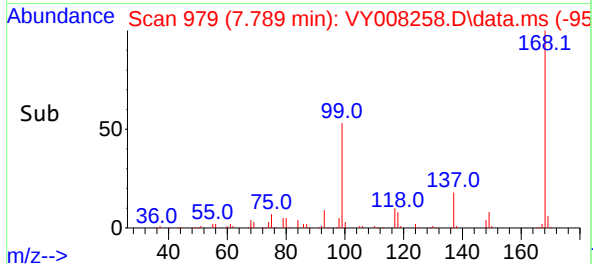
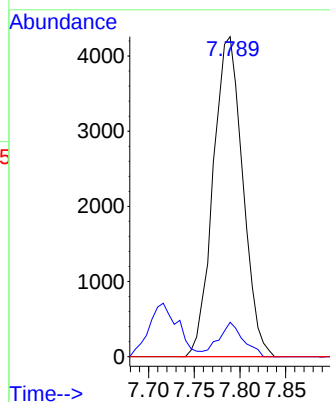
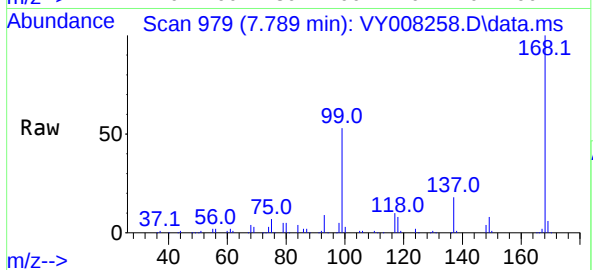




#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

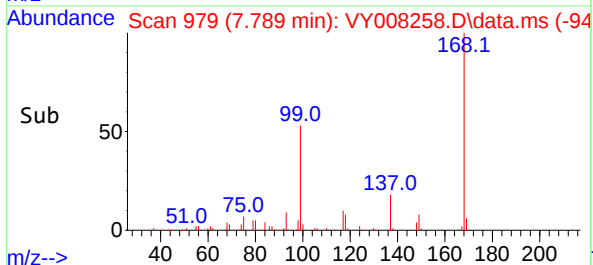
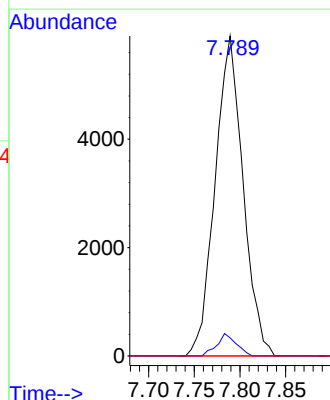
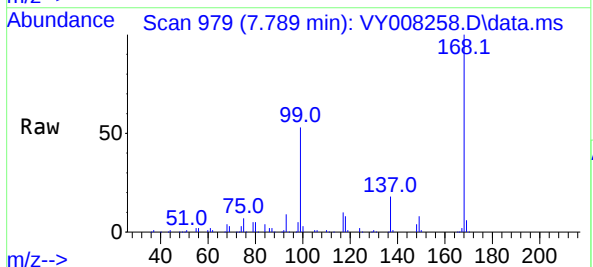
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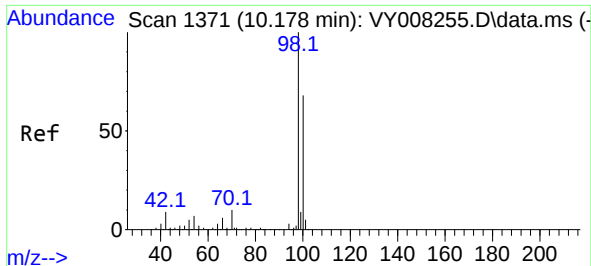
Tgt Ion: 75 Resp: 9604
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

Tgt Ion: 117 Resp: 12557
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#

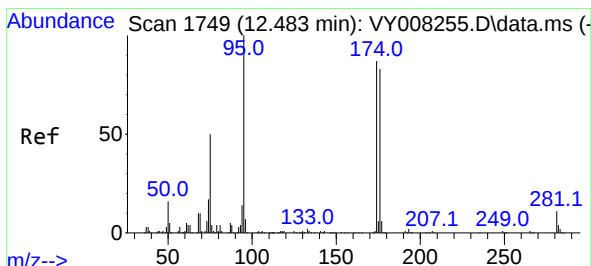
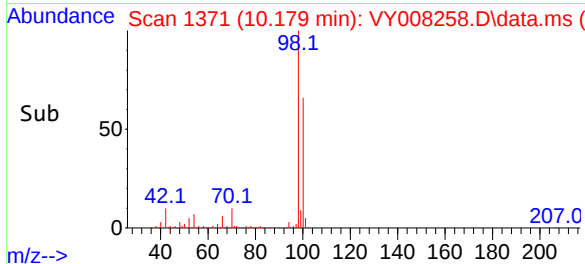
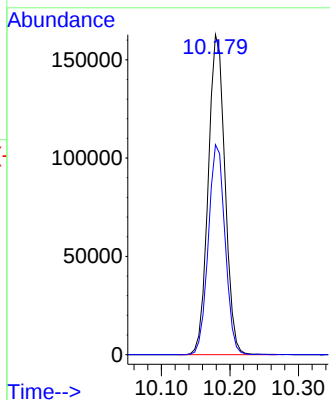
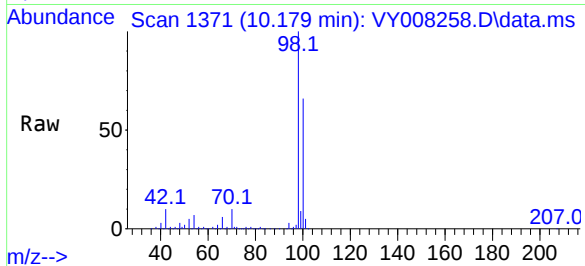




#50
Toluene-d8
Concen: 60.332 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

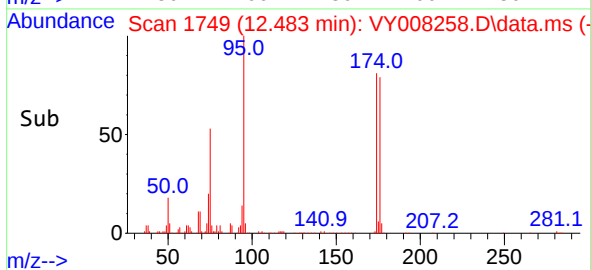
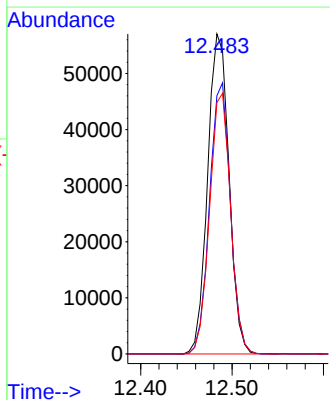
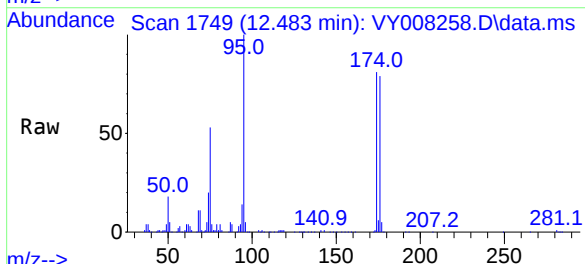
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

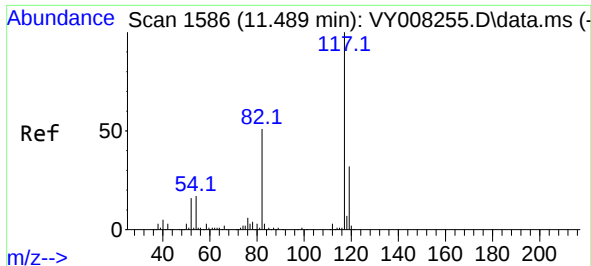
Tgt Ion: 98 Resp: 276622
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 53.652 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

Tgt Ion: 95 Resp: 92525
Ion Ratio Lower Upper
95 100
174 82.7 0.0 177.0
176 80.0 0.0 175.8

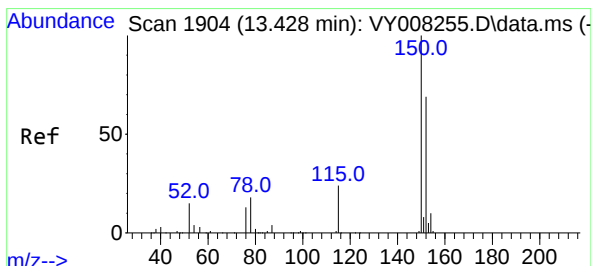
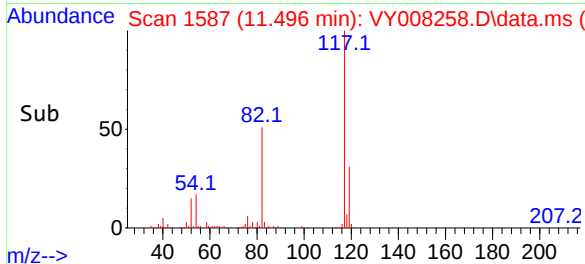
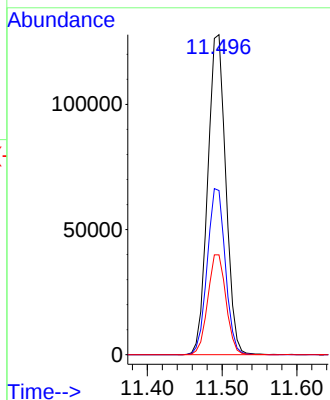
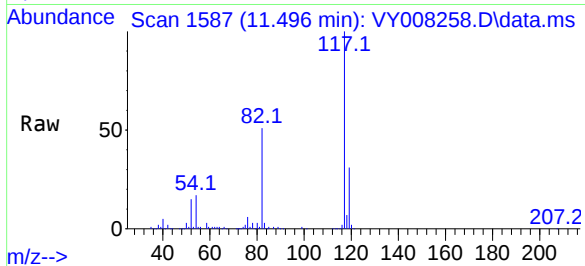




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

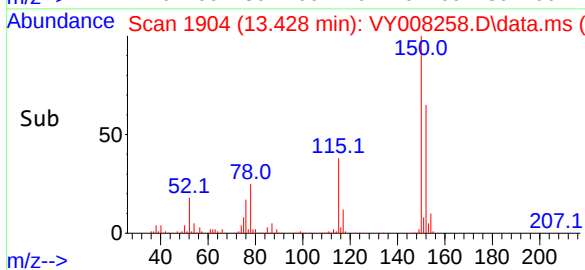
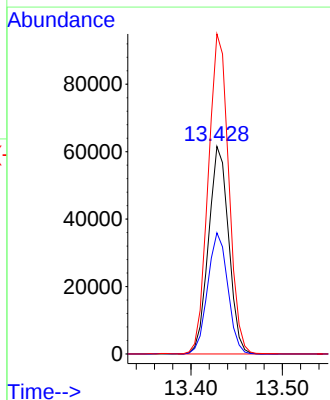
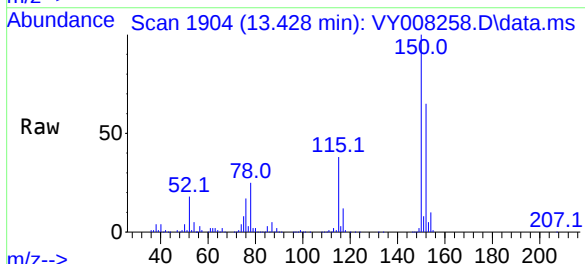
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

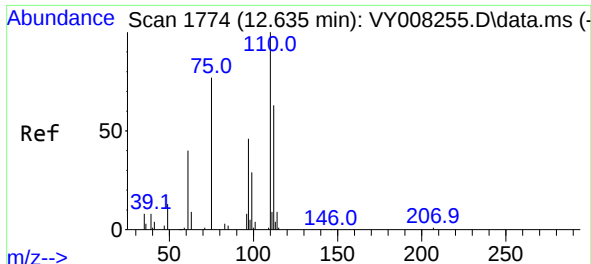
Tgt Ion:117 Resp: 214923
Ion Ratio Lower Upper
117 100
82 51.3 43.0 64.4
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

Tgt Ion:152 Resp: 93917
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 157.1 0.0 347.6

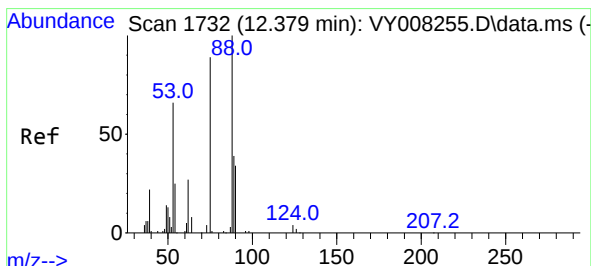
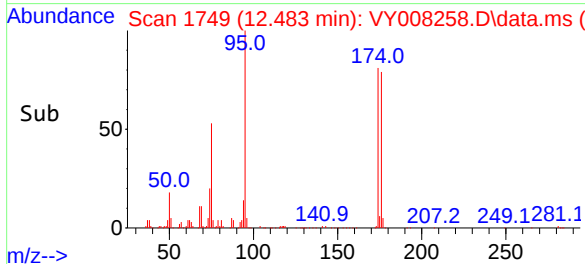
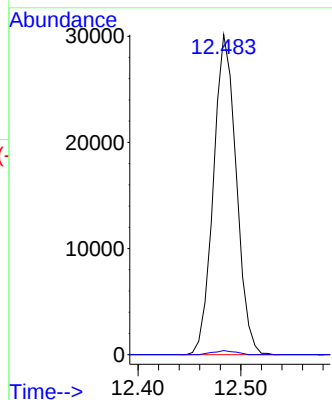
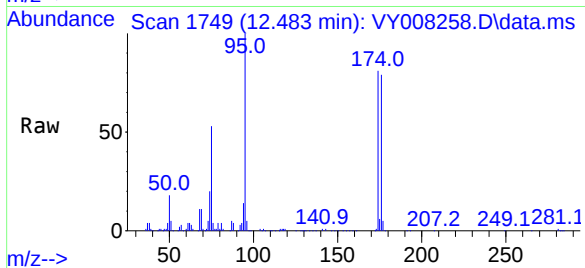




#76
1,2,3-Trichloropropane
Concen: 44.815 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

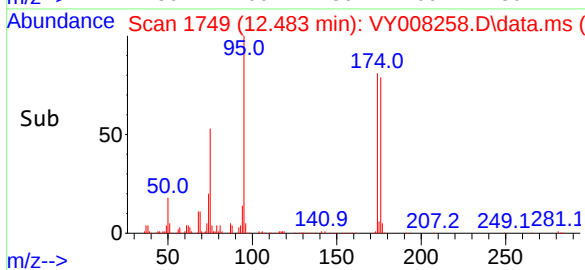
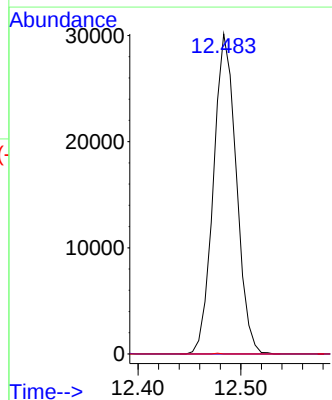
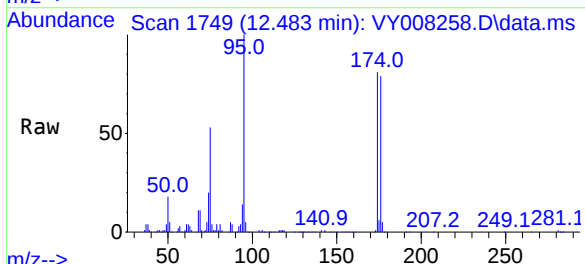
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

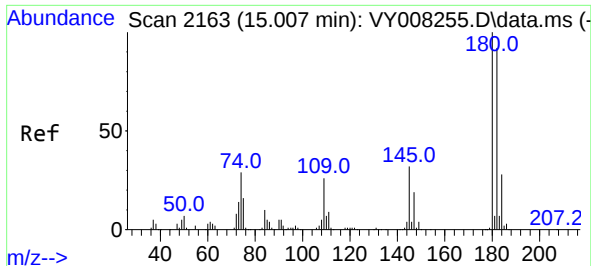
Tgt Ion: 75 Resp: 46549
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.272 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

Tgt Ion: 75 Resp: 46549
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

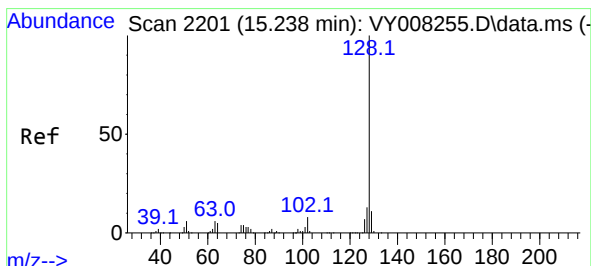
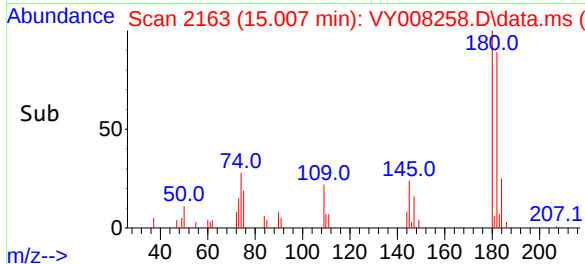
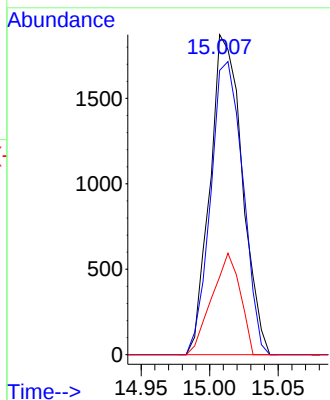
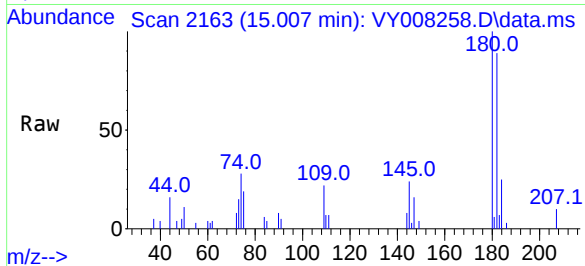




#93
1,2,4-Trichlorobenzene
Concen: 1.719 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

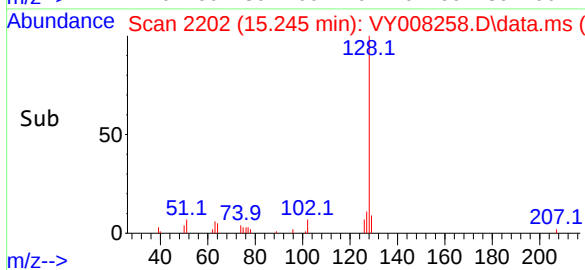
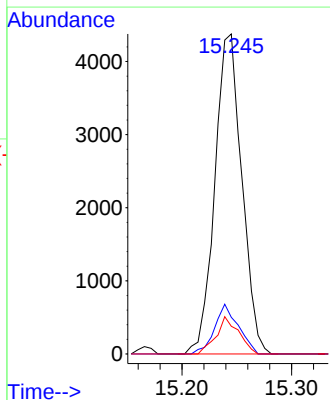
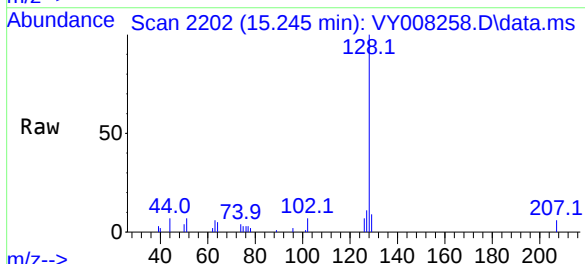
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

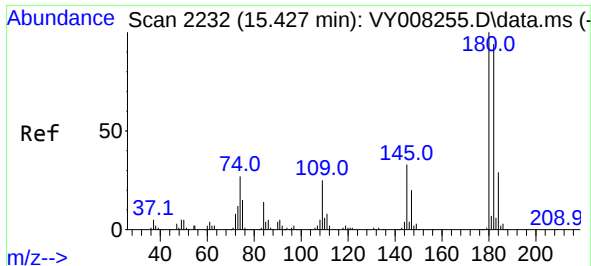
Tgt Ion:	180	Resp:	3066
Ion Ratio	Lower	Upper	
180	100		
182	91.5	47.3	141.9
145	27.9	14.6	43.8



#95
Naphthalene
Concen: 1.961 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.007 min
Lab File: VY008258.D
Acq: 08 Apr 2022 14:35

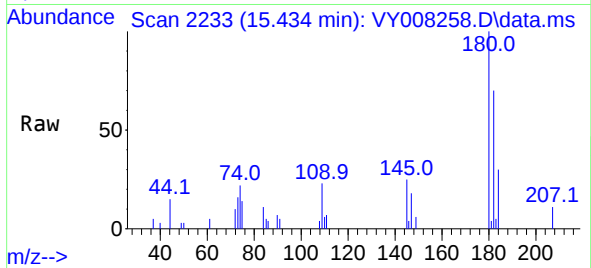
Tgt Ion:	128	Resp:	7492
Ion Ratio	Lower	Upper	
128	100		
127	13.7	11.0	16.4
129	9.7	8.4	12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 2.049 ug/l
 RT: 15.434 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VY008258.D
 Acq: 08 Apr 2022 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:180 Resp: 3198
 Ion Ratio Lower Upper
 180 100
 182 98.1 47.3 141.9
 145 33.0 15.3 45.9

