

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021822\
 Data File : VY007554.D
 Acq On : 18 Feb 2022 18:48
 Operator : SY/MD
 Sample : N1600-07
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AA8

Quant Time: Feb 19 04:36:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

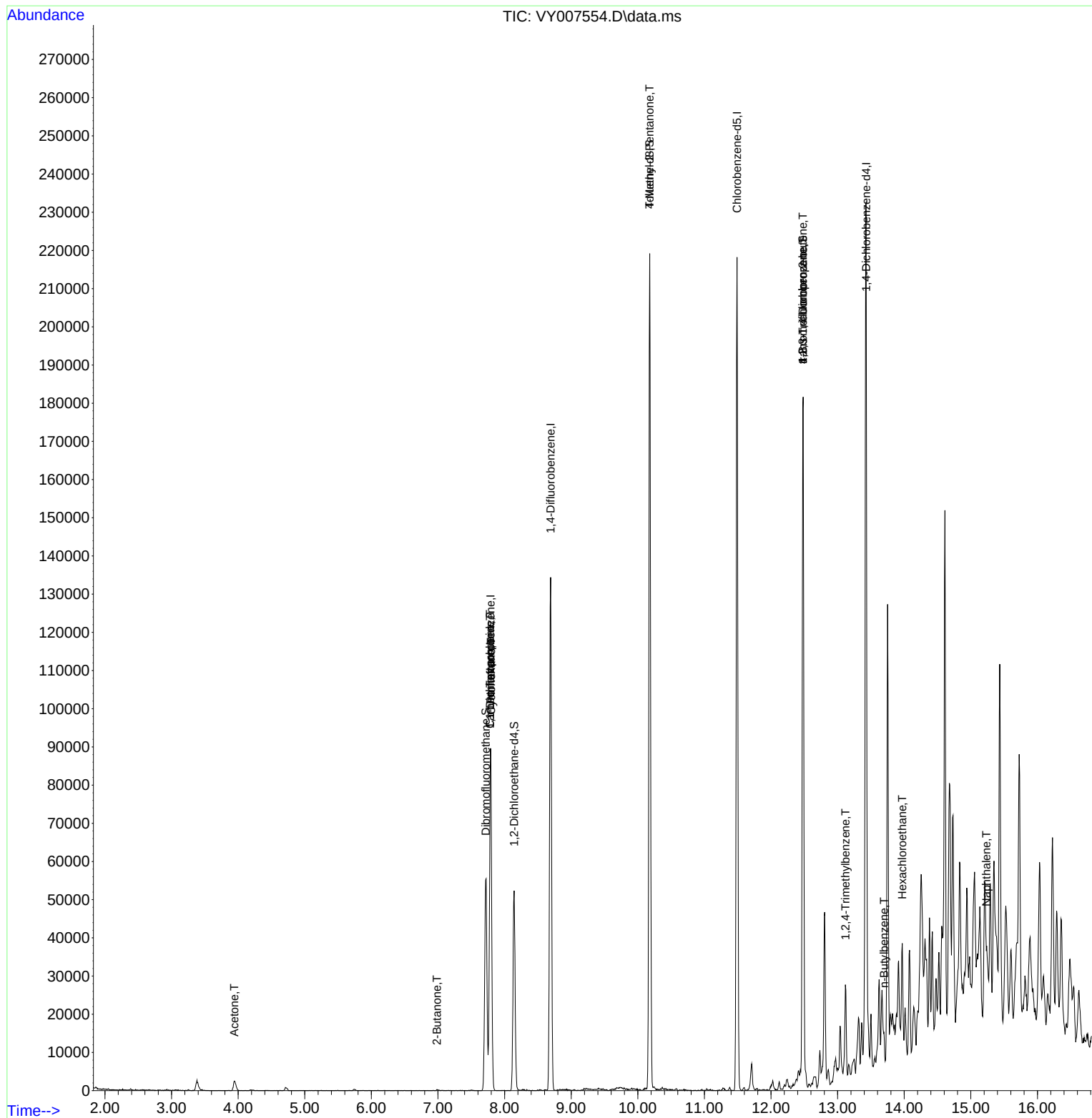
Internal Standards						
1) Pentafluorobenzene	7.789	168	66871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	116058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	116630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40924	55.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.860%	
35) Dibromofluoromethane	7.716	113	38889	53.135	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.260%	
50) Toluene-d8	10.179	98	143057	51.463	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.920%	
62) 4-Bromofluorobenzene	12.477	95	53614	56.881	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	75	Below Cal	#	44
16) Acetone	3.942	43	4747	24.235	ug/l	93
25) 2-Butanone	6.984	43	490	2.020	ug/l #	71
31) Cyclohexane	7.795	56	1407	1.078	ug/l #	33
36) 1,1-Dichloropropene	7.783	75	5001	4.217	ug/l #	51
38) Carbon Tetrachloride	7.783	117	7176	5.326	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	651	1.205	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	31061	48.966	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	31061	101.773	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	12954	3.316	ug/l	97
89) n-Butylbenzene	13.696	91	5452	1.341	ug/l #	73
90) Hexachloroethane	13.971	117	970	1.187	ug/l #	6
95) Naphthalene	15.233	128	6108	2.615	ug/l #	91

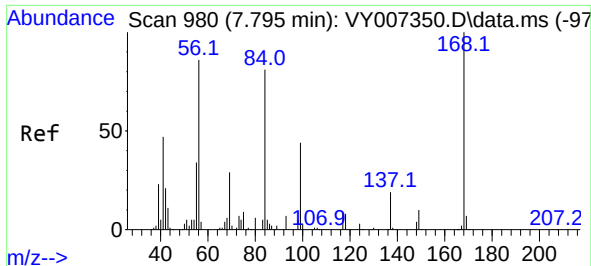
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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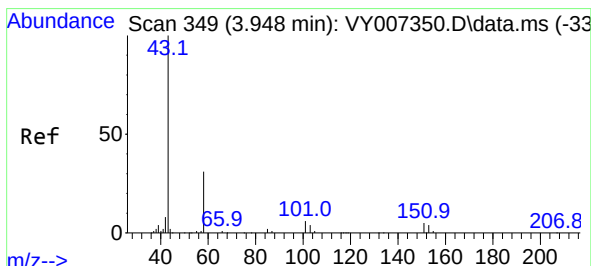
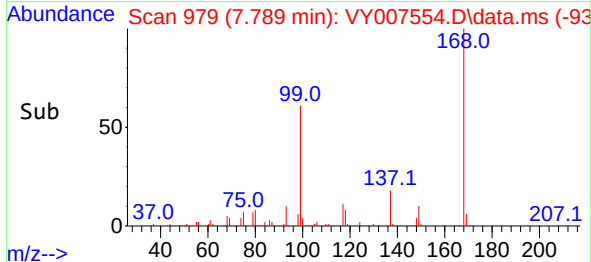
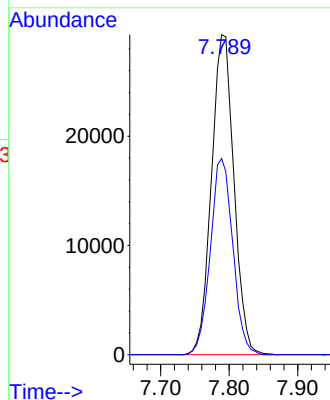
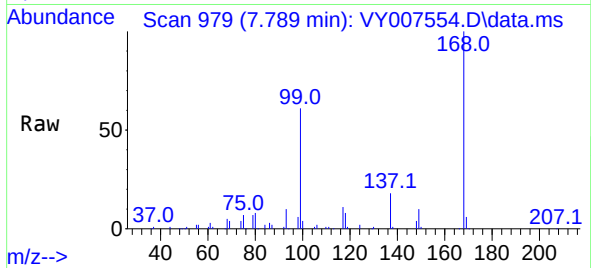




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

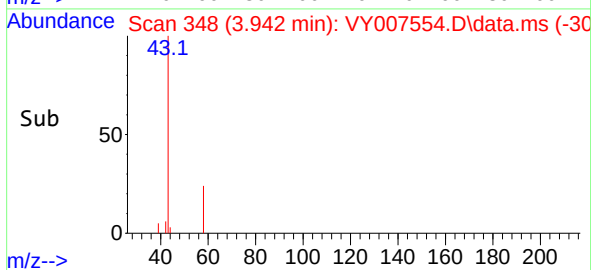
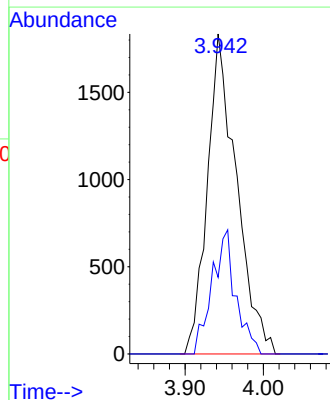
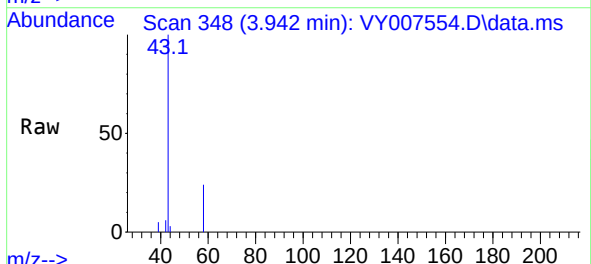
Instrument :
MSVOA_Y
ClientSampleId :
C0AA8

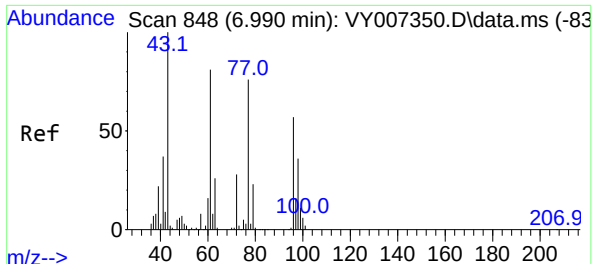
Tgt Ion:168 Resp: 66871
Ion Ratio Lower Upper
168 100
99 61.3 46.9 70.3



#16
Acetone
Concen: 24.235 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

Tgt Ion: 43 Resp: 4747
Ion Ratio Lower Upper
43 100
58 24.0 22.0 33.0

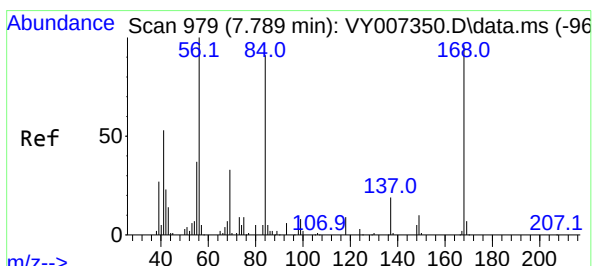
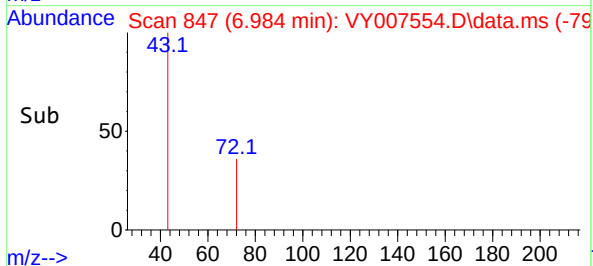
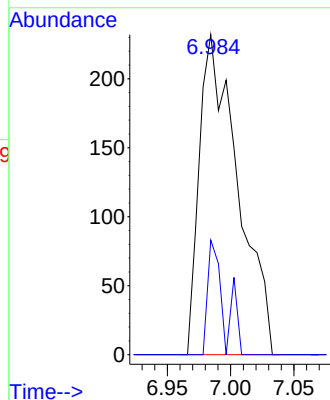
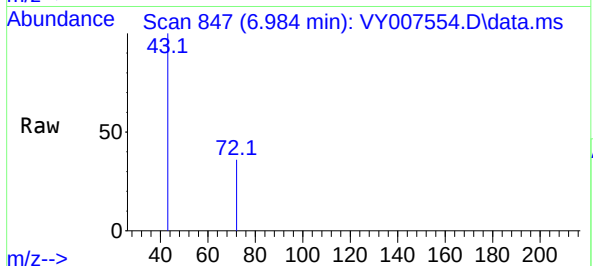




#25
2-Butanone
Concen: 2.020 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

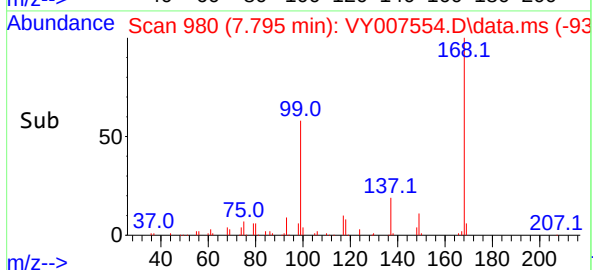
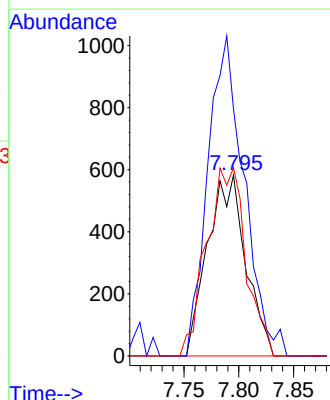
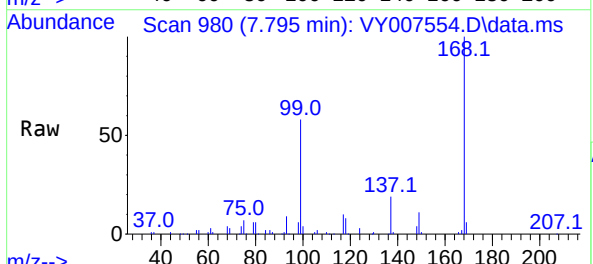
Instrument :
MSVOA_Y
ClientSampleId :
C0AA8

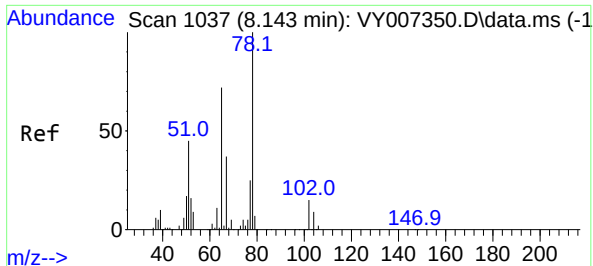
Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
72 35.8 17.7 26.5#



#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

Tgt Ion: 56 Resp: 1407
Ion Ratio Lower Upper
56 100
69 136.5 26.7 40.1#
84 103.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.431 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY007554.D

Acq: 18 Feb 2022 18:48

Instrument :

MSVOA_Y

ClientSampleId :

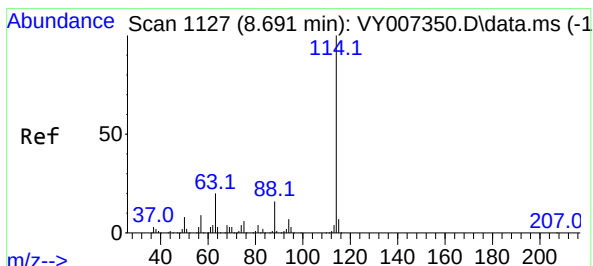
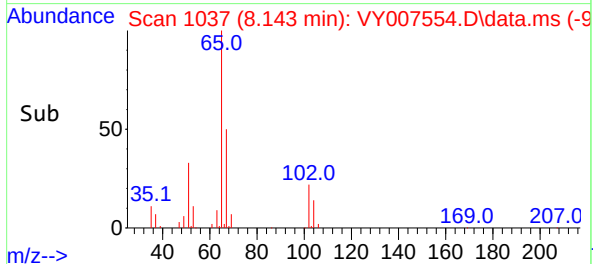
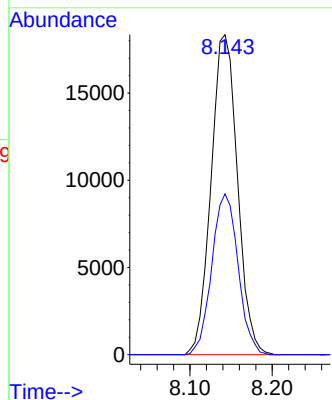
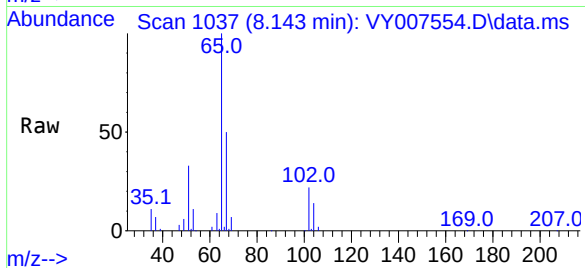
C0AA8

Tgt Ion: 65 Resp: 40924

Ion Ratio Lower Upper

65 100

67 50.0 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: VY007554.D

Acq: 18 Feb 2022 18:48

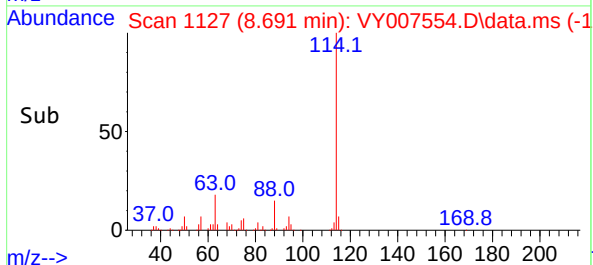
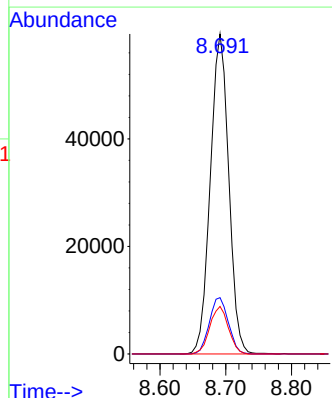
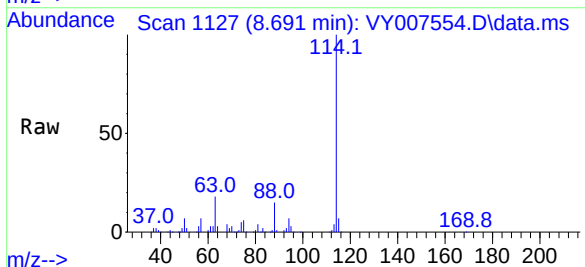
Tgt Ion: 114 Resp: 116058

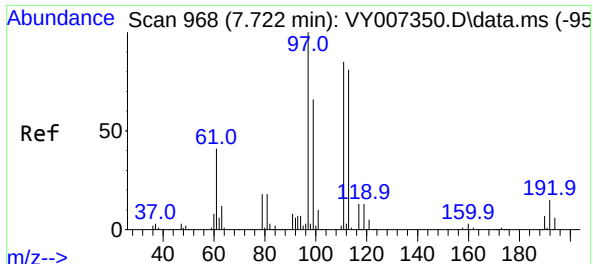
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 14.9 0.0 31.8

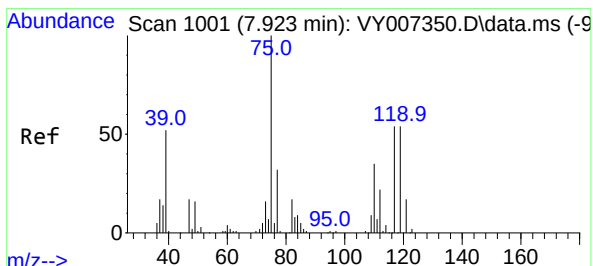
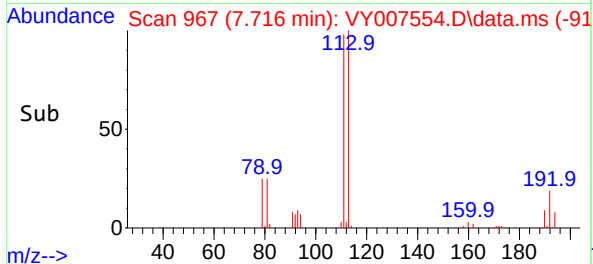
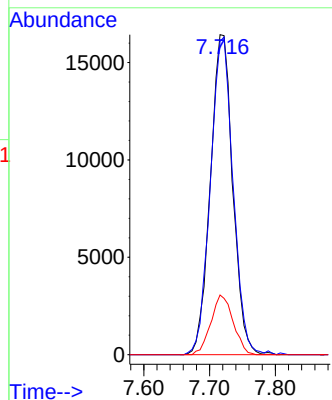
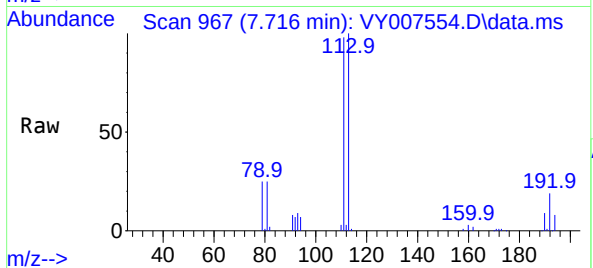




#35
Dibromofluoromethane
Concen: 53.135 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

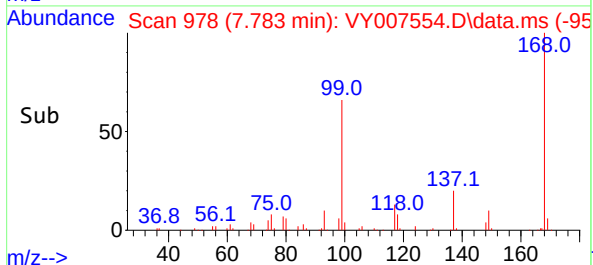
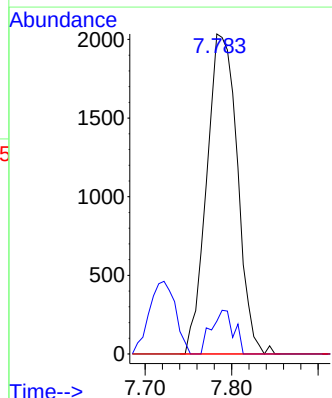
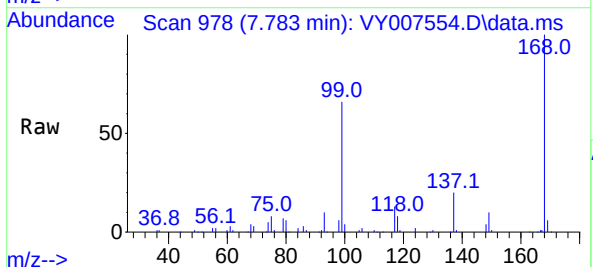
Instrument :
MSVOA_Y
ClientSampleId :
C0AA8

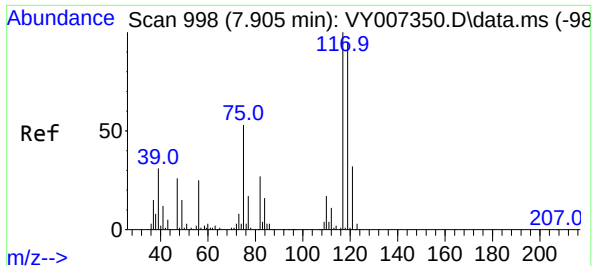
Tgt Ion:113 Resp: 38889
Ion Ratio Lower Upper
113 100
111 100.5 82.6 124.0
192 18.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.217 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

Tgt Ion: 75 Resp: 5001
Ion Ratio Lower Upper
75 100
110 10.1 17.1 51.2#
77 0.0 24.4 36.6#

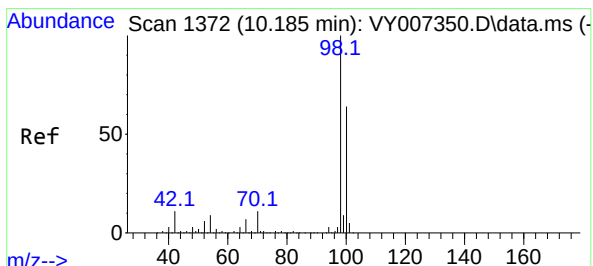
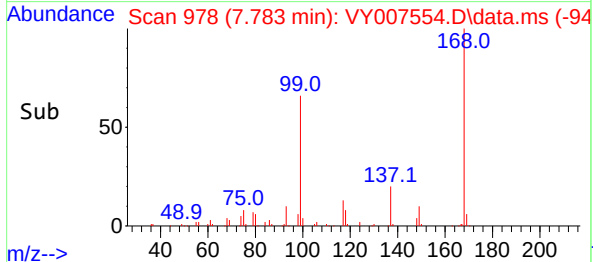
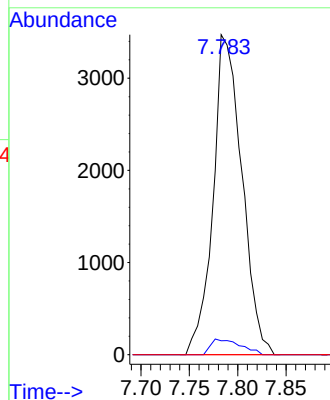
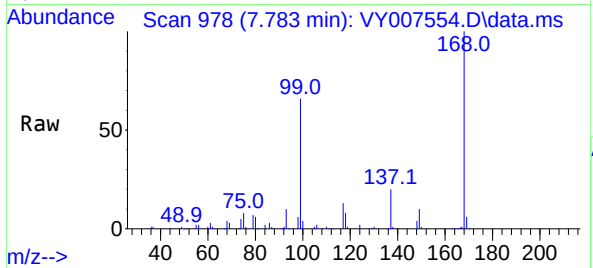




#38
Carbon Tetrachloride
Concen: 5.326 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

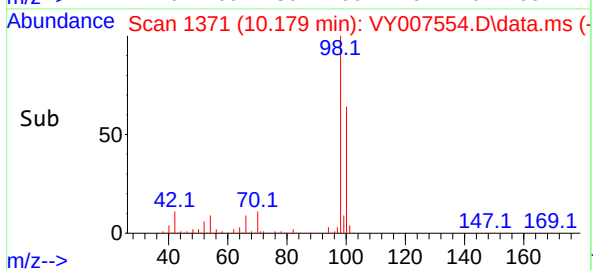
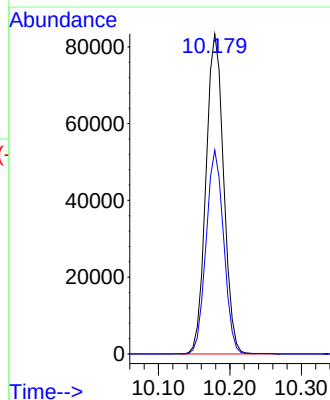
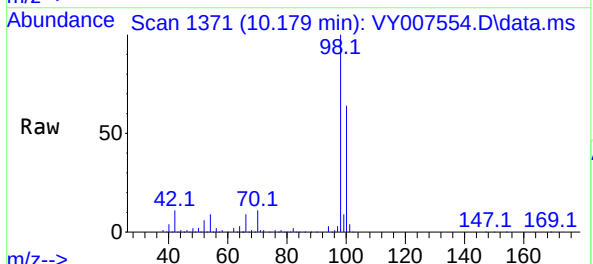
Instrument :
MSVOA_Y
ClientSampleId :
C0AA8

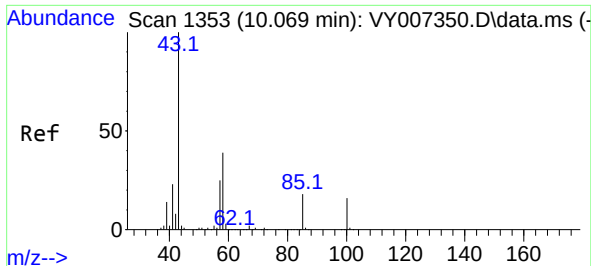
Tgt Ion:117 Resp: 7176
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.463 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

Tgt Ion: 98 Resp: 143057
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 1.205 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY007554.D

Acq: 18 Feb 2022 18:48

Instrument :

MSVOA_Y

ClientSampleId :

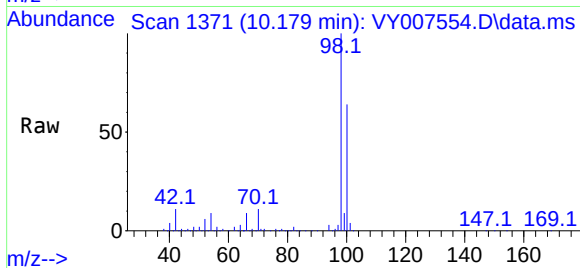
C0AA8

Tgt Ion: 43 Resp: 651

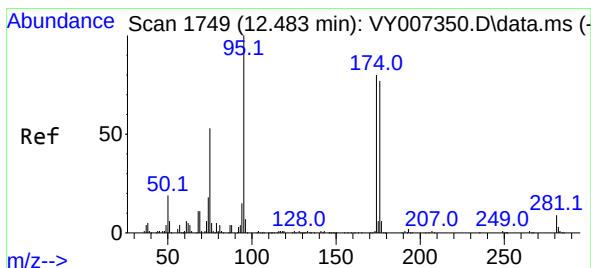
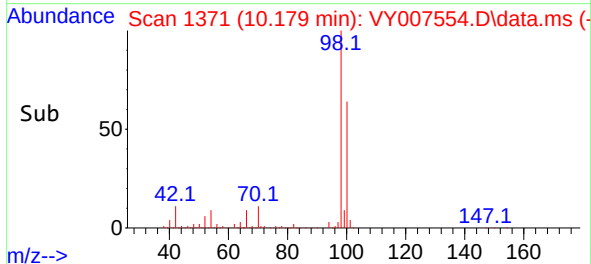
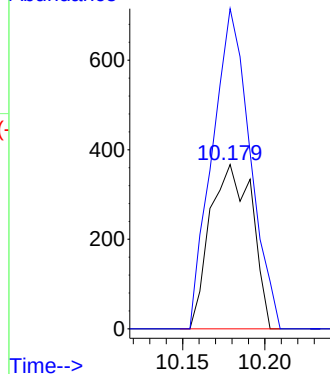
Ion Ratio Lower Upper

43 100

58 175.9 28.1 42.1#



Abundance



#62

4-Bromofluorobenzene

Concen: 56.881 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY007554.D

Acq: 18 Feb 2022 18:48

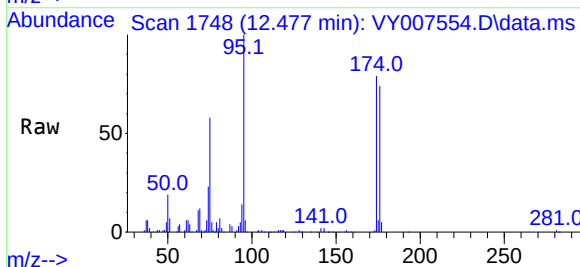
Tgt Ion: 95 Resp: 53614

Ion Ratio Lower Upper

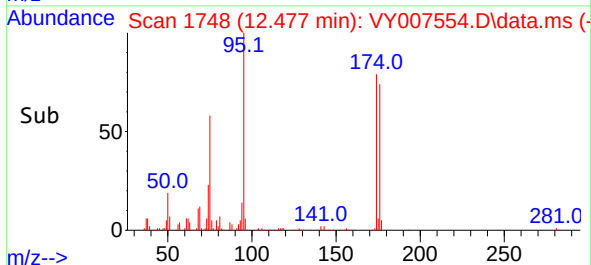
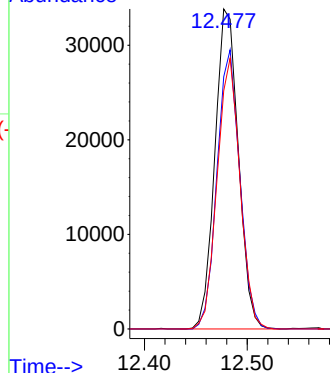
95 100

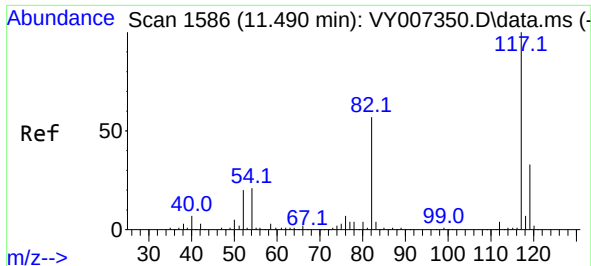
174 84.6 0.0 177.0

176 82.2 0.0 175.8



Abundance

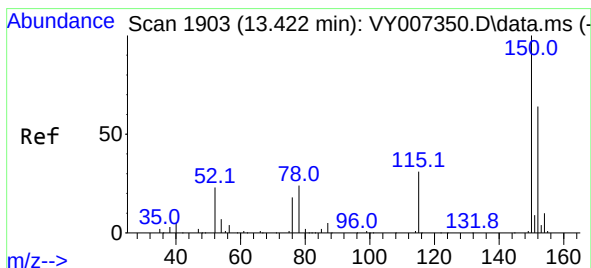
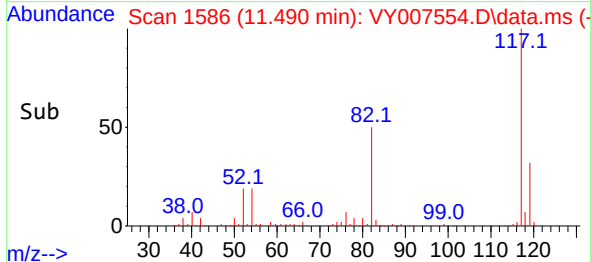
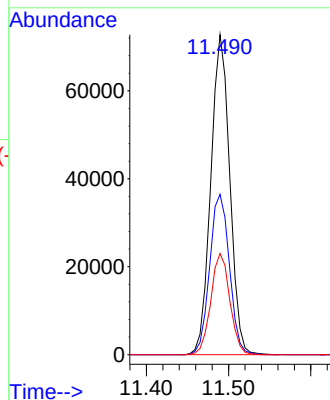
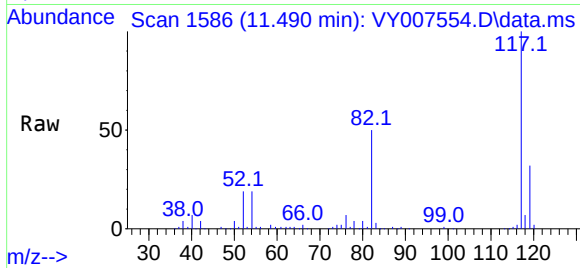




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

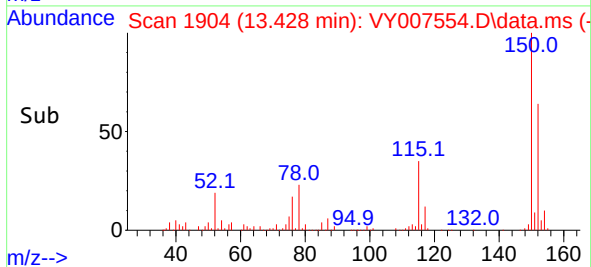
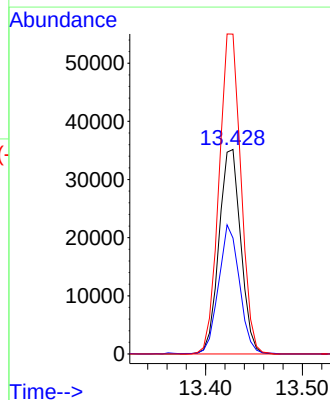
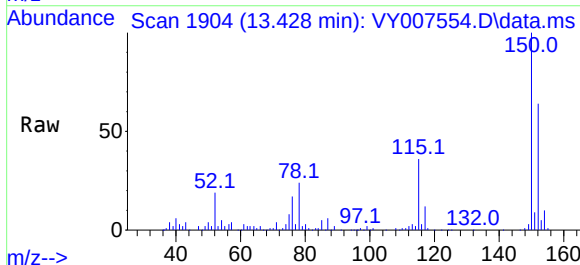
Instrument :
MSVOA_Y
ClientSampleId :
C0AA8

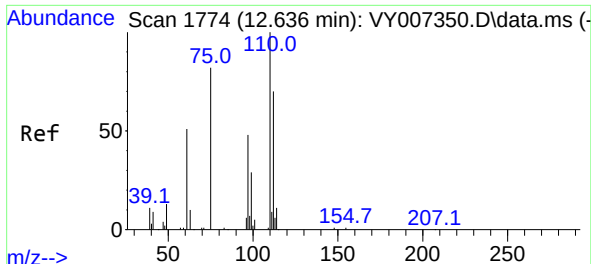
Tgt Ion:117 Resp: 116630
Ion Ratio Lower Upper
117 100
82 50.1 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

Tgt Ion:152 Resp: 54900
Ion Ratio Lower Upper
152 100
115 60.8 28.2 84.7
150 157.2 0.0 347.6

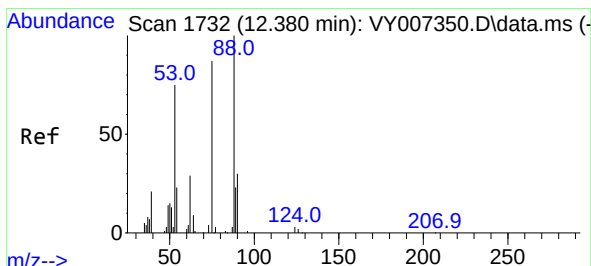
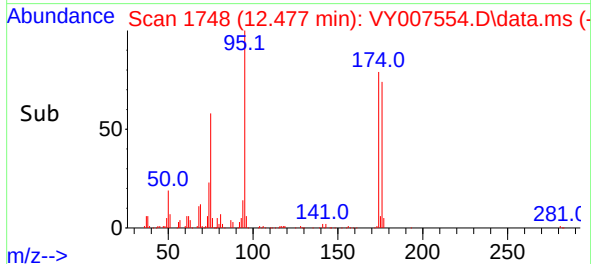
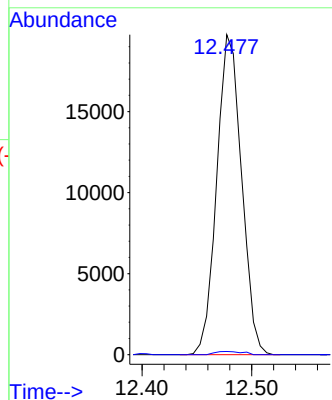
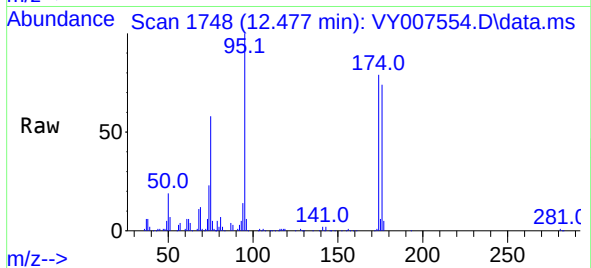




#76
1,2,3-Trichloropropane
Concen: 48.966 ug/l
RT: 12.477 min Scan# 1774
Delta R.T. -0.159 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

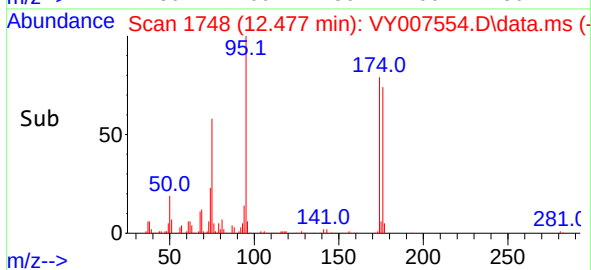
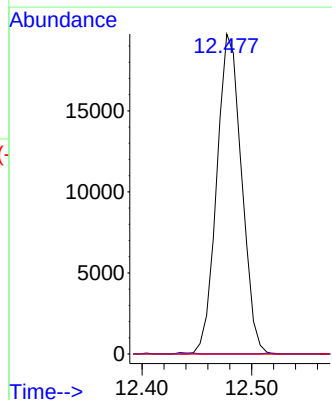
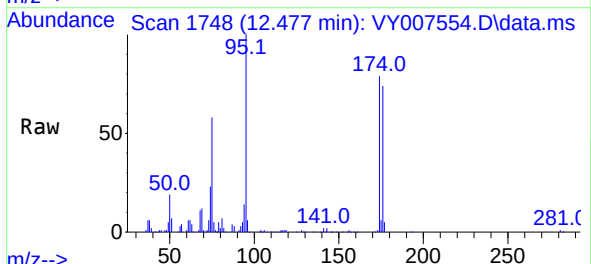
Instrument :
MSVOA_Y
ClientSampleId :
C0AA8

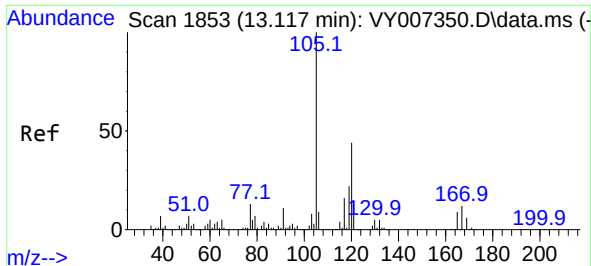
Tgt Ion: 75 Resp: 31061
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.773 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

Tgt Ion: 75 Resp: 31061
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

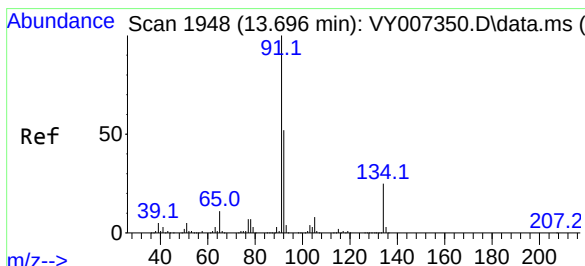
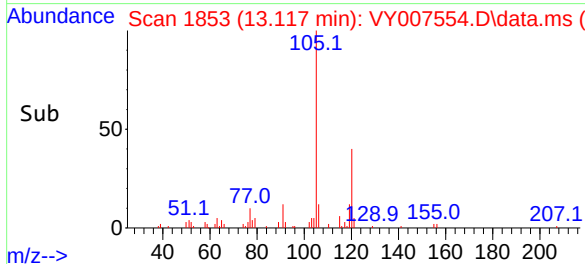
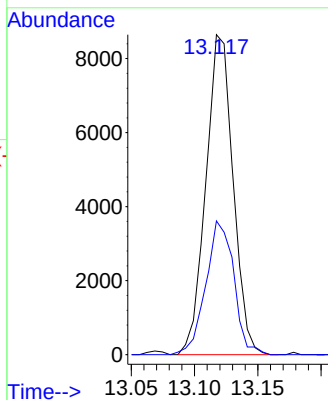
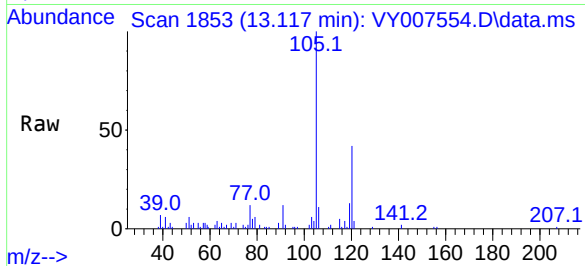




#84
1,2,4-Trimethylbenzene
Concen: 3.316 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

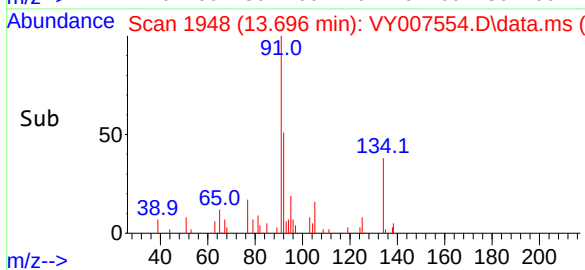
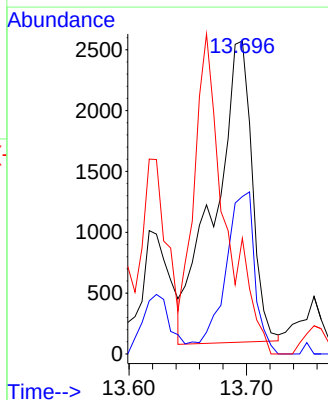
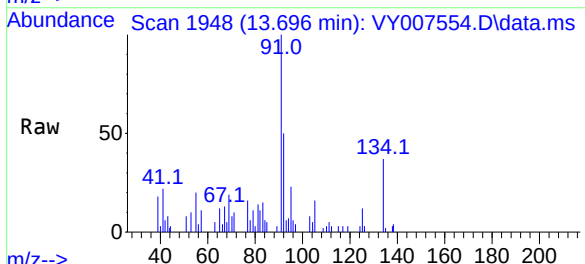
Instrument :
MSVOA_Y
ClientSampleId :
C0AA8

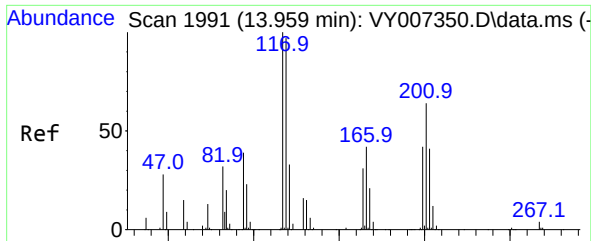
Tgt Ion:105 Resp: 12954
Ion Ratio Lower Upper
105 100
120 42.9 22.3 66.9



#89
n-Butylbenzene
Concen: 1.341 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

Tgt Ion: 91 Resp: 5452
Ion Ratio Lower Upper
91 100
92 42.2 26.3 78.9
134 0.0 13.0 38.9#

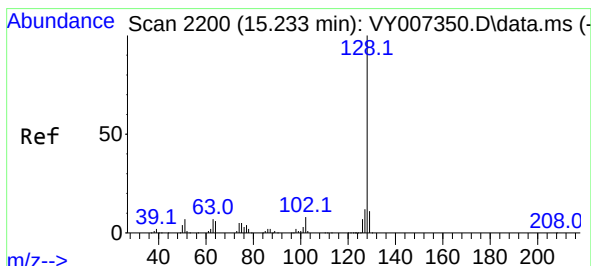
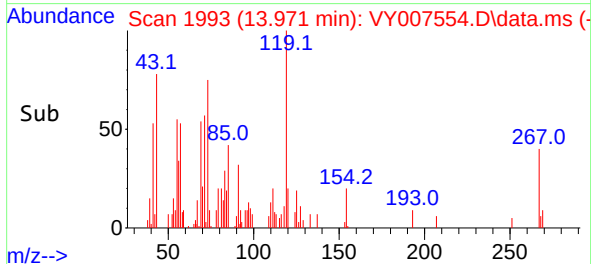
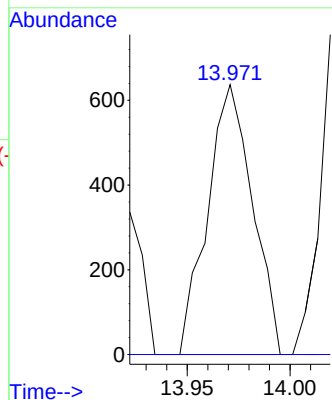
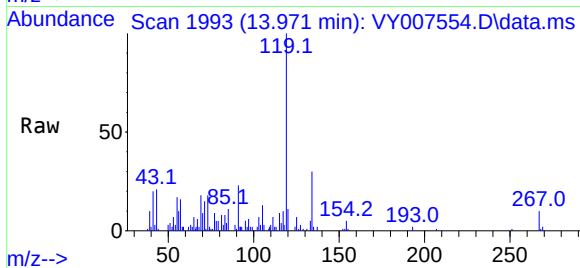




#90
Hexachloroethane
Concen: 1.187 ug/l
RT: 13.971 min Scan# 1991
Delta R.T. 0.012 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

Instrument :
MSVOA_Y
ClientSampleId :
C0AA8

Tgt Ion:117 Resp: 970
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 2.615 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY007554.D
Acq: 18 Feb 2022 18:48

Tgt Ion:128 Resp: 6108
Ion Ratio Lower Upper
128 100
127 19.9 11.0 16.4#
129 10.5 8.4 12.6

