

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033122\
 Data File : VY008128.D
 Acq On : 31 Mar 2022 10:29
 Operator : SY/MD
 Sample : VY0331SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBL01

Quant Time: Mar 31 14:21:56 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)

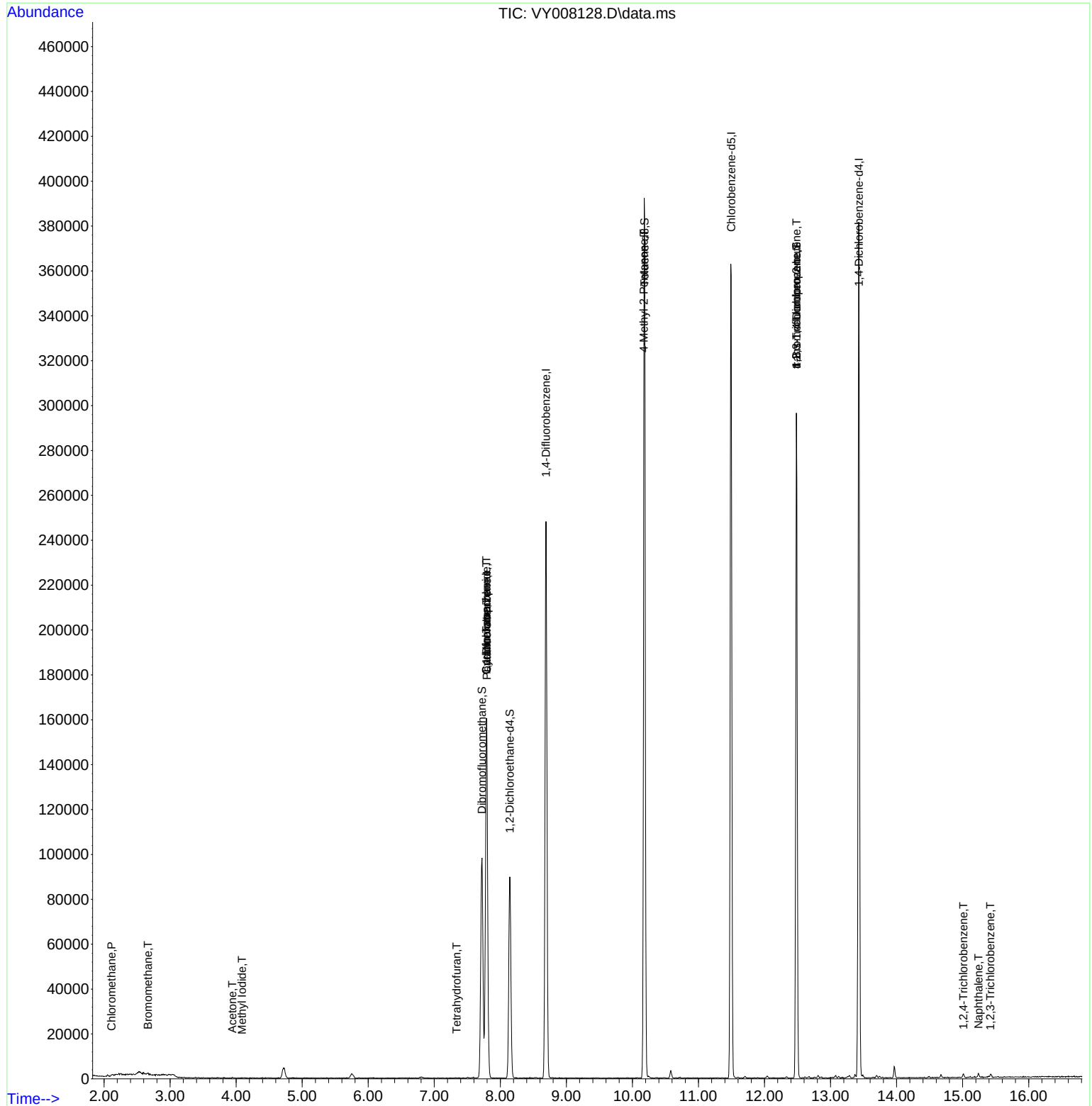
Internal Standards						
1) Pentafluorobenzene	7.795	168	125437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	226935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	211739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	69440	55.176	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.360%			
35) Dibromofluoromethane	7.722	113	70975	49.883	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.760%			
50) Toluene-d8	10.185	98	272573	50.848	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.483	95	92730	49.032	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.060%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	287	0.208	ug/l #	44
5) Bromomethane	2.662	94	327	0.218	ug/l #	66
10) Methyl Iodide	4.088	142	72	1.739	ug/l #	35
16) Acetone	3.942	43	370	1.286	ug/l #	47
18) Methyl Acetate	4.490	43	145	Below Cal	#	56
20) Methylene Chloride	4.722	84	3729	Below Cal	#	72
29) Tetrahydrofuran	7.337	42	88	0.309	ug/l #	38
31) Cyclohexane	7.789	56	2452	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9340	4.179	ug/l #	51
38) Carbon Tetrachloride	7.789	117	12720	5.222	ug/l #	16
51) 4-Methyl-2-Pentanone	10.172	43	962	0.931	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	47651	41.765	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47651	93.184	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.013	180	554	0.299	ug/l	96
95) Naphthalene	15.239	128	1655	0.404	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.421	180	460	0.287	ug/l	74

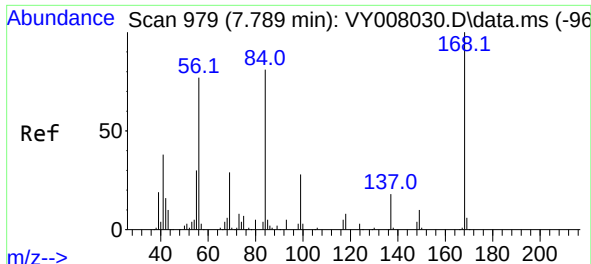
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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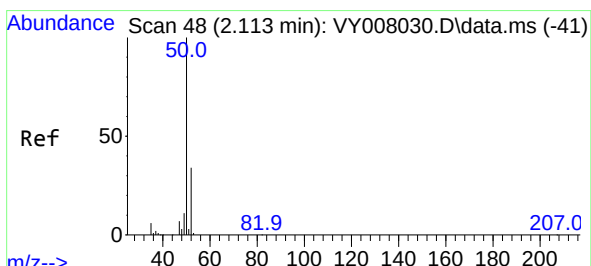
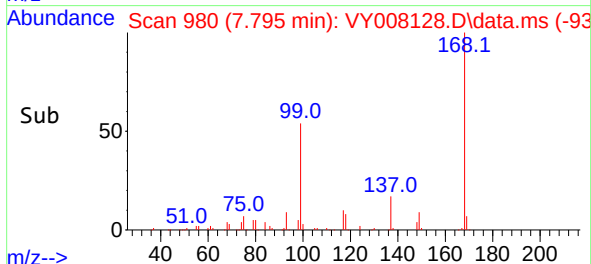
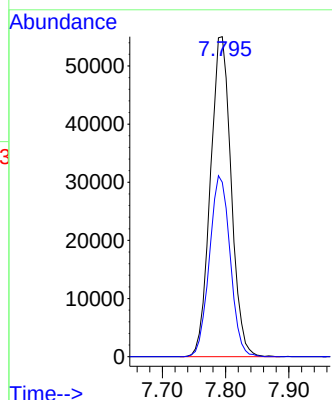
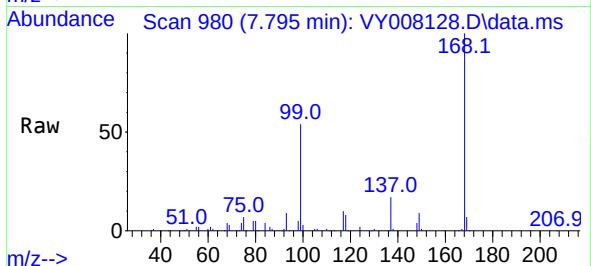




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

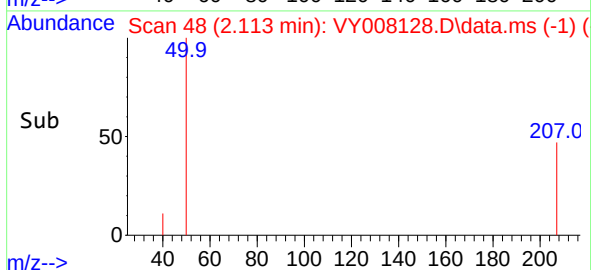
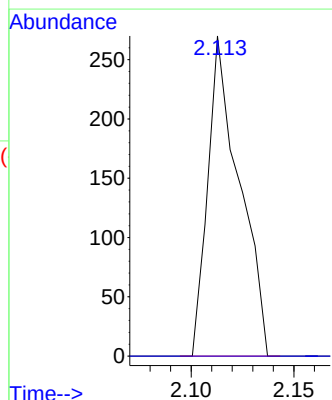
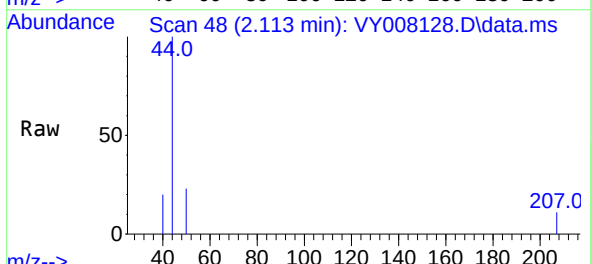
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

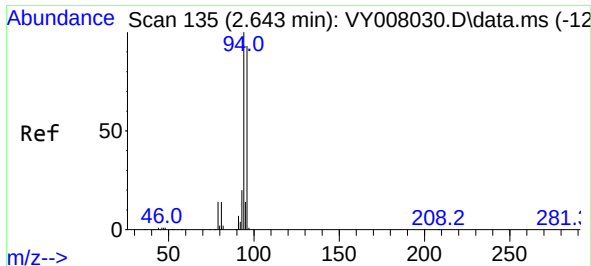
Tgt Ion:168 Resp: 125437
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Tgt Ion: 50 Resp: 287
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

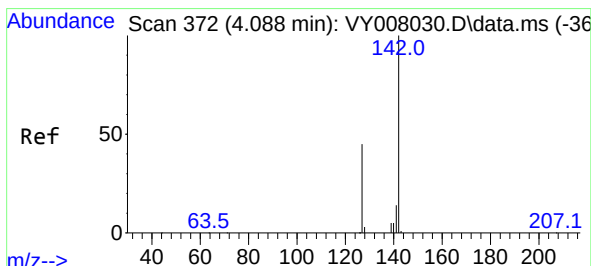
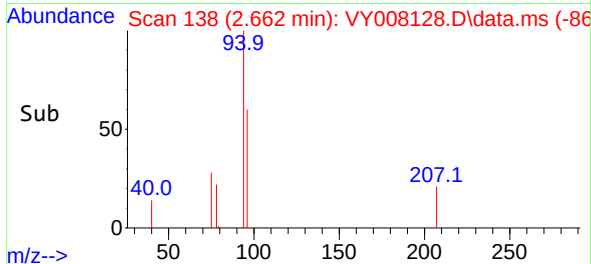
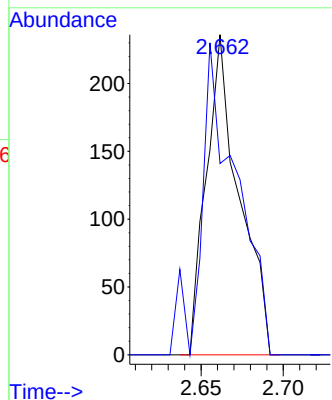
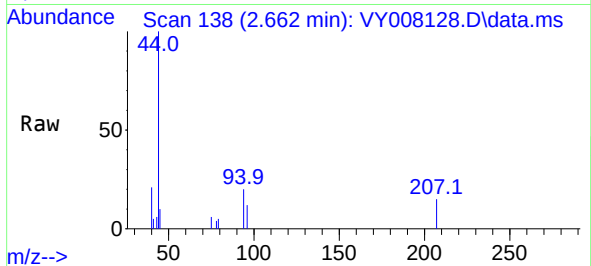




#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

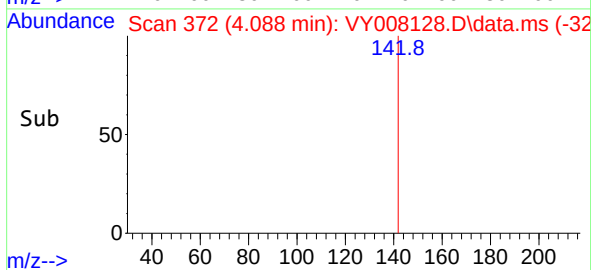
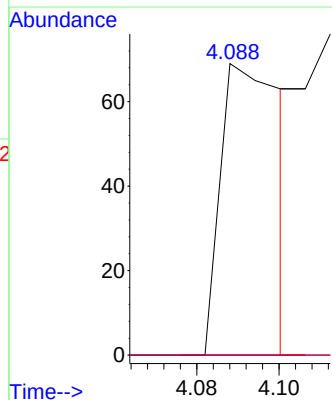
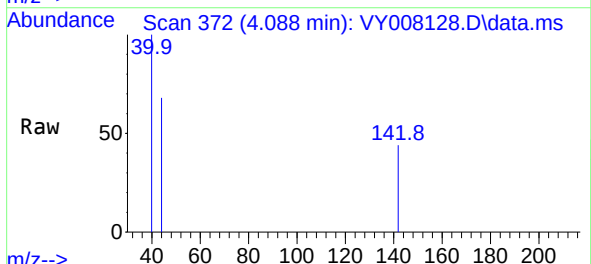
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

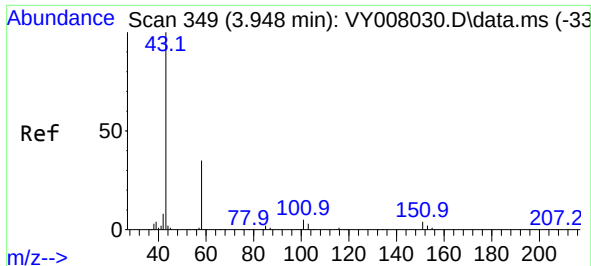
Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 59.7 73.5 110.3#



#10
Methyl Iodide
Concen: 1.739 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Tgt Ion: 142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

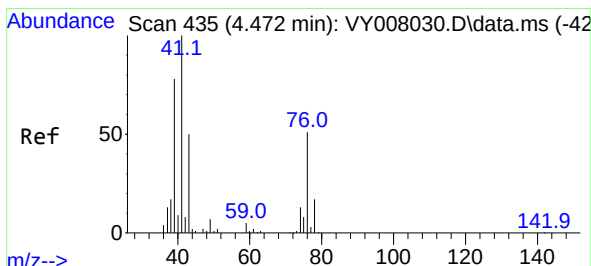
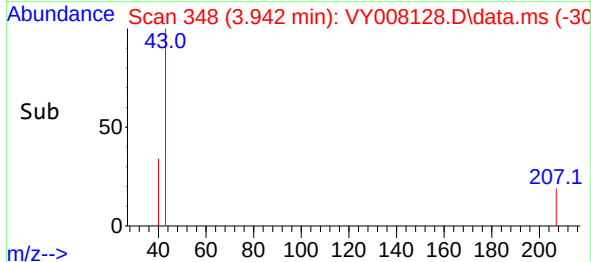
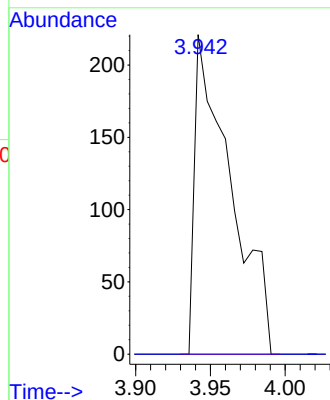
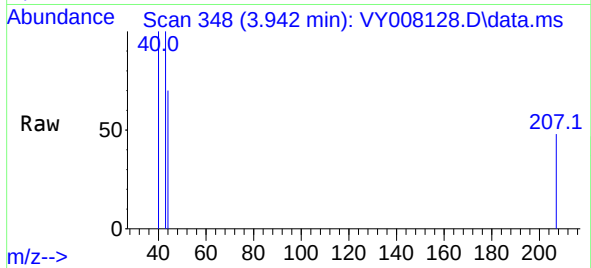




#16
Acetone
Concen: 1.286 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

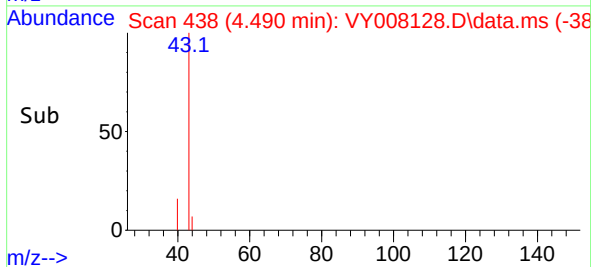
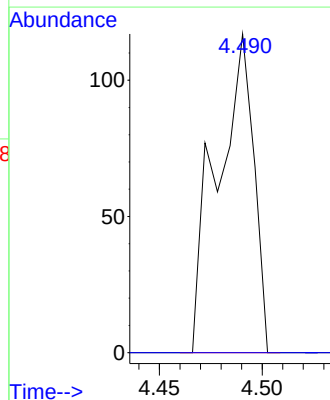
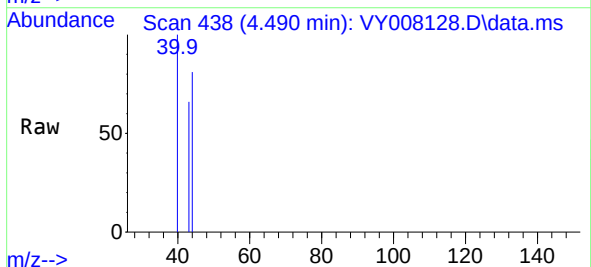
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

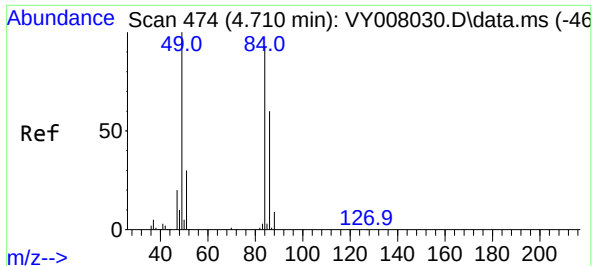
Tgt Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.490 min Scan# 438
Delta R.T. 0.018 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



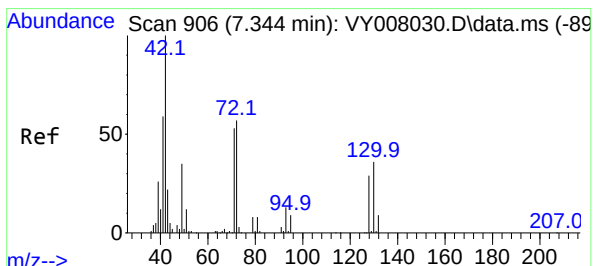
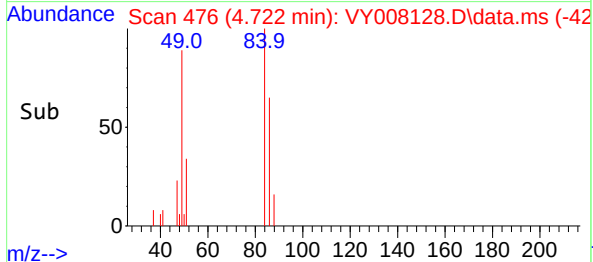
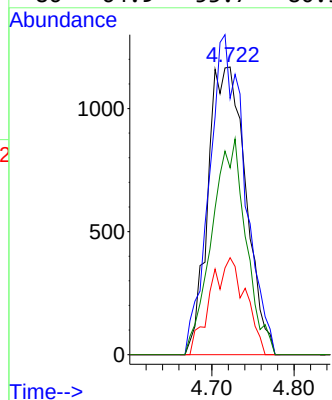
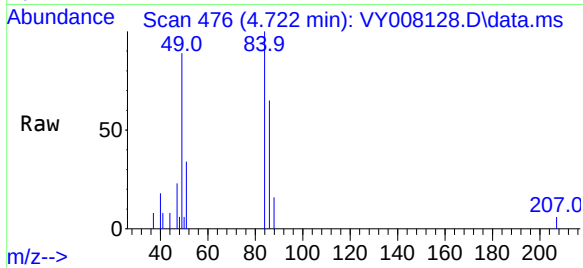


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion: 84 Resp: 3729

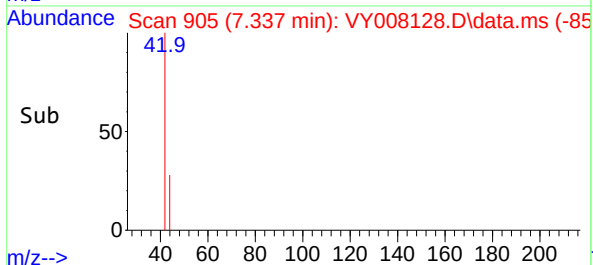
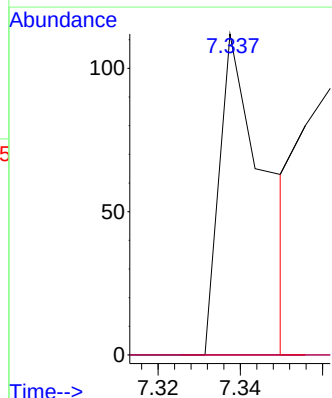
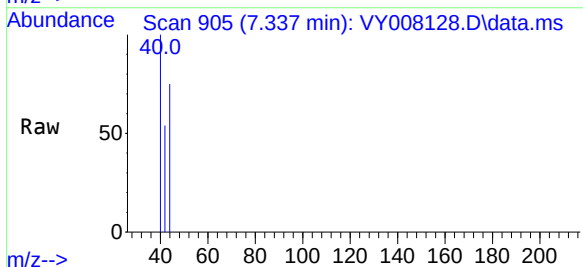
Ion	Ratio	Lower	Upper
84	100		
49	89.1	114.4	171.6#
51	33.7	35.3	52.9#
86	64.9	53.7	80.5

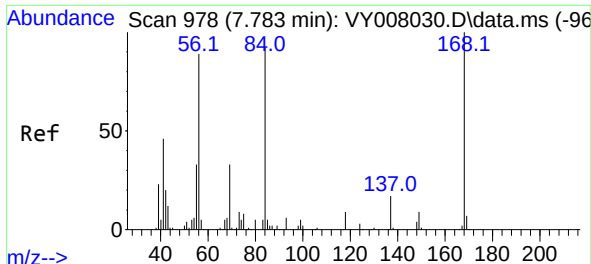


#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 7.337 min Scan# 905
Delta R.T. -0.007 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Tgt Ion: 42 Resp: 88

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#

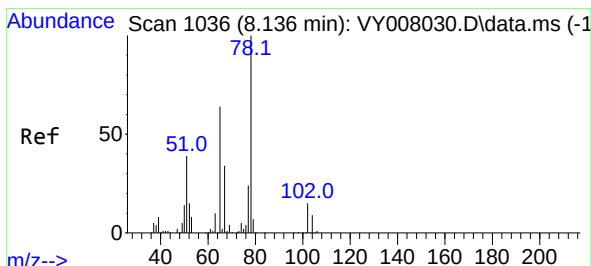
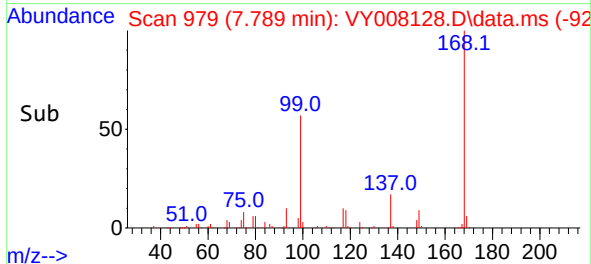
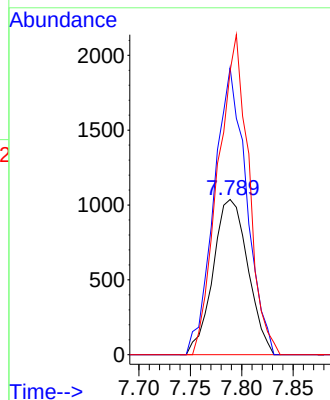
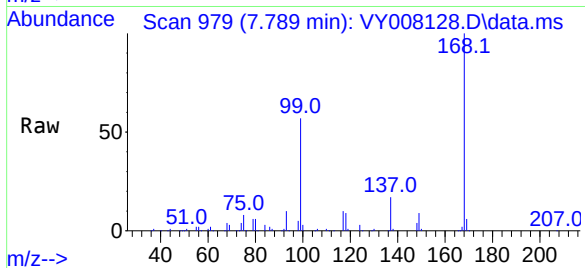




#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

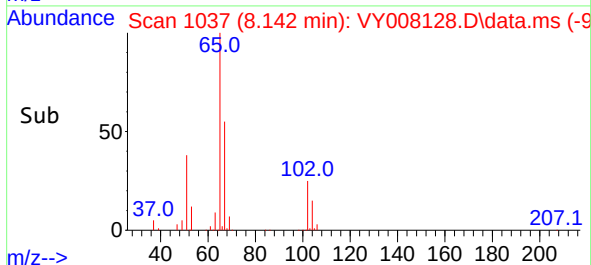
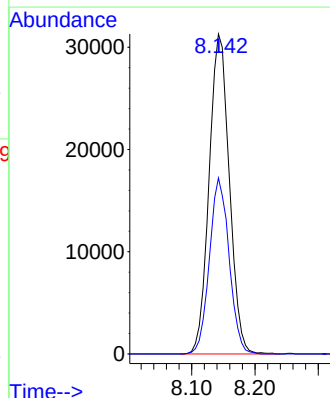
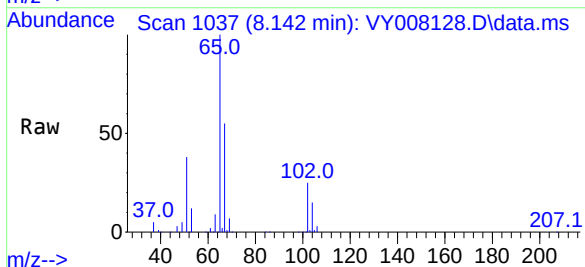
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

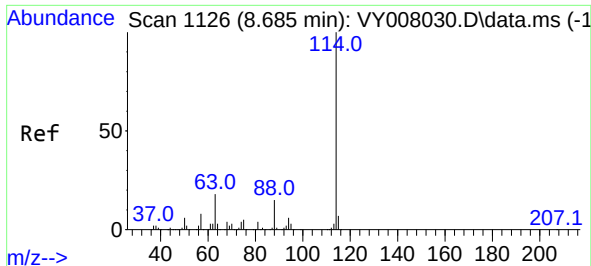
Tgt Ion: 56 Resp: 2452
Ion Ratio Lower Upper
56 100
69 184.9 26.7 40.1#
84 182.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.176 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Tgt Ion: 65 Resp: 69440
Ion Ratio Lower Upper
65 100
67 53.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008128.D

Acq: 31 Mar 2022 10:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBL01

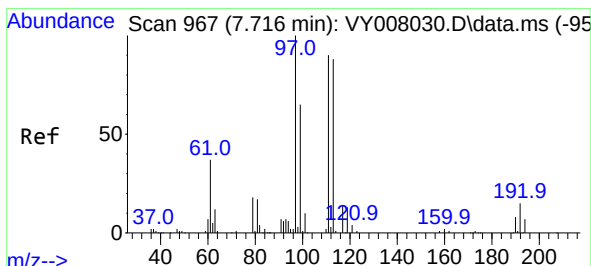
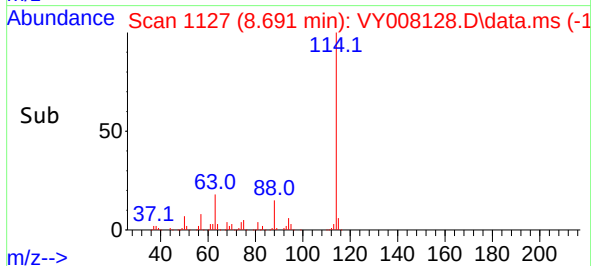
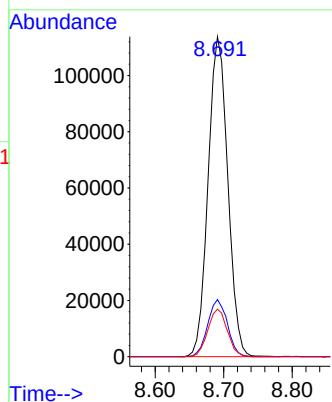
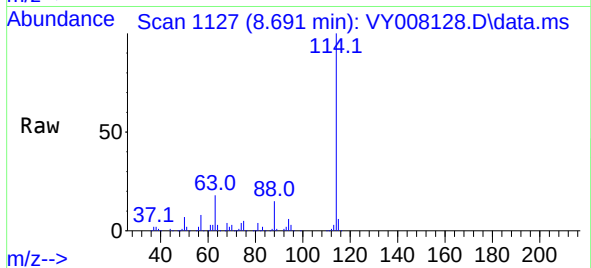
Tgt Ion:114 Resp: 226935

Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.883 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY008128.D

Acq: 31 Mar 2022 10:29

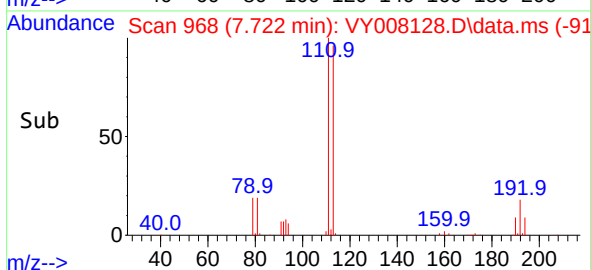
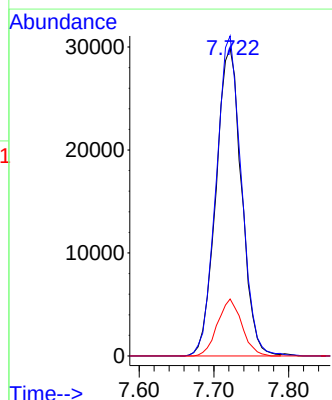
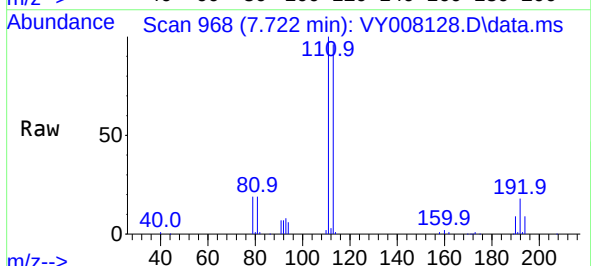
Tgt Ion:113 Resp: 70975

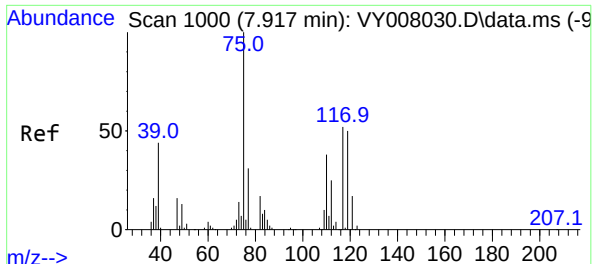
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 17.6 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 4.179 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008128.D

Acq: 31 Mar 2022 10:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBL01

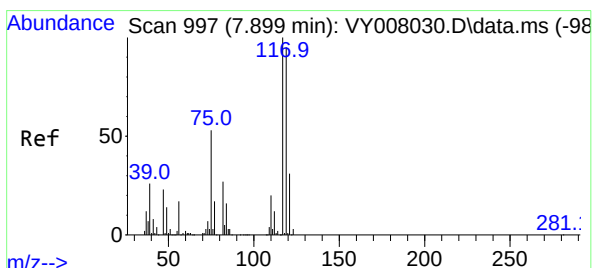
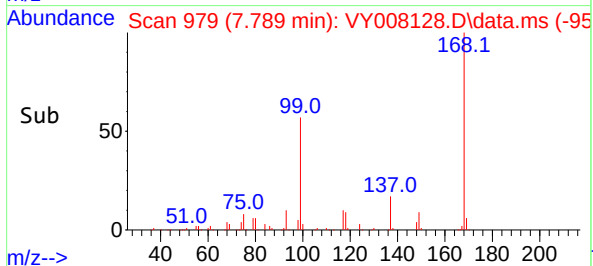
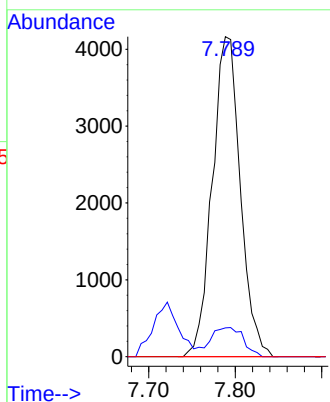
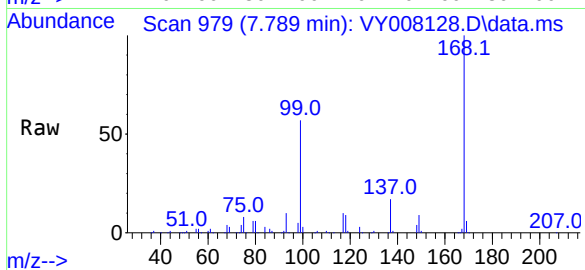
Tgt Ion: 75 Resp: 9340

Ion Ratio Lower Upper

75 100

110 10.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.222 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008128.D

Acq: 31 Mar 2022 10:29

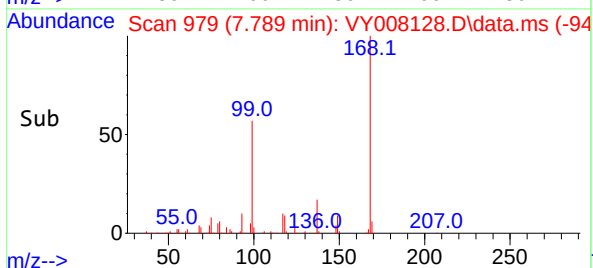
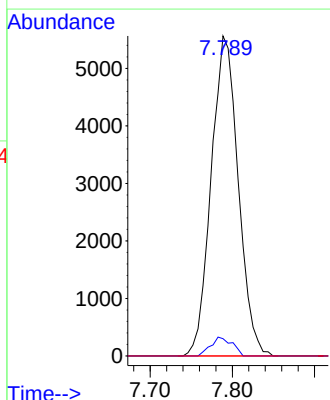
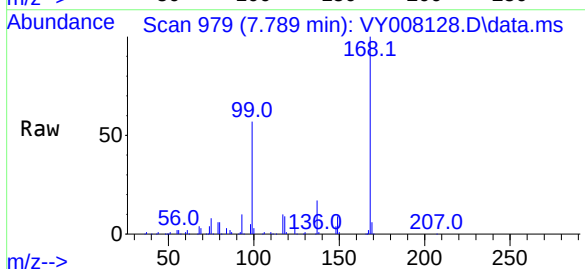
Tgt Ion: 117 Resp: 12720

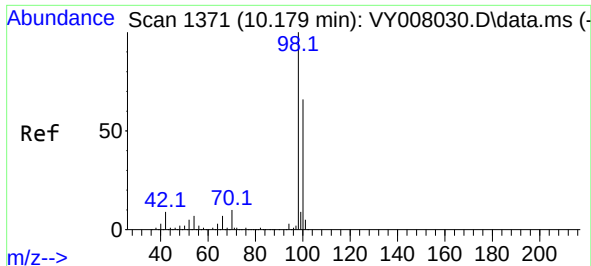
Ion Ratio Lower Upper

117 100

119 5.4 77.9 116.9#

121 0.0 24.8 37.2#

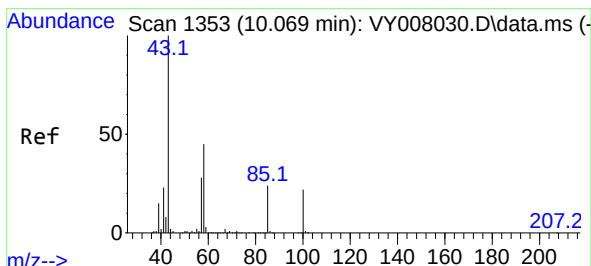
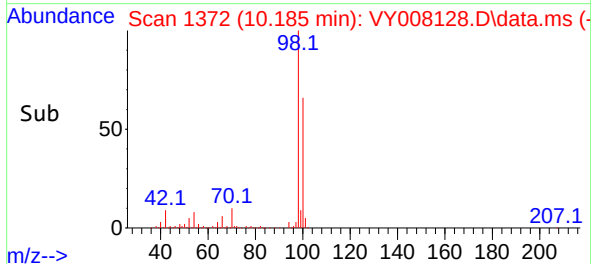
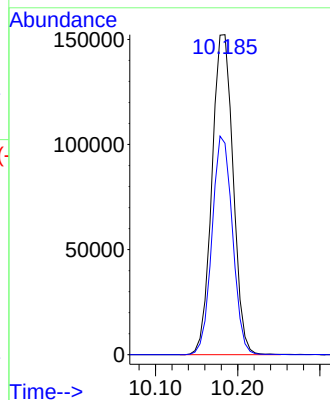
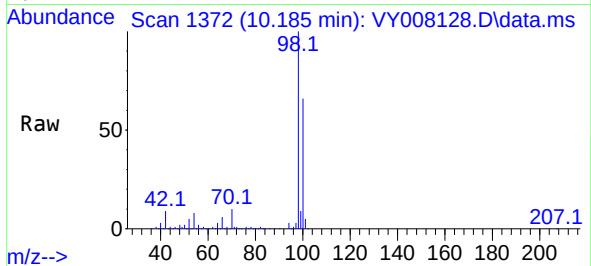




#50
Toluene-d8
Concen: 50.848 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

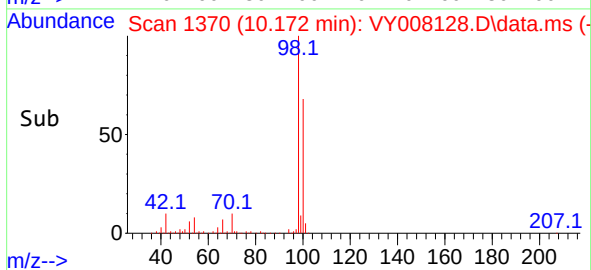
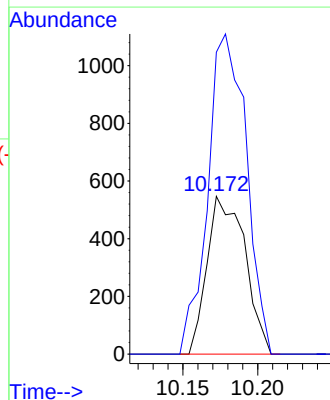
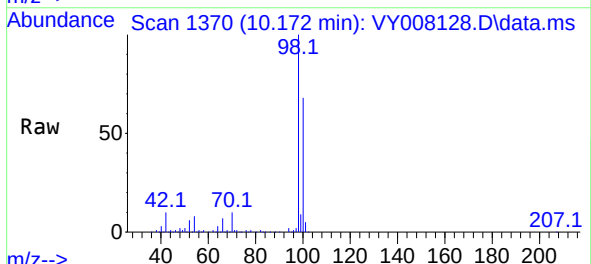
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

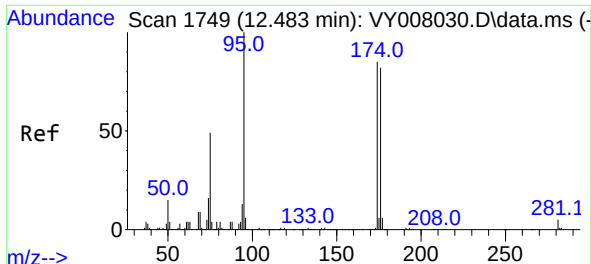
Tgt Ion: 98 Resp: 272573
Ion Ratio Lower Upper
98 100
100 66.1 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 0.931 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. 0.103 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 206.3 28.1 42.1#

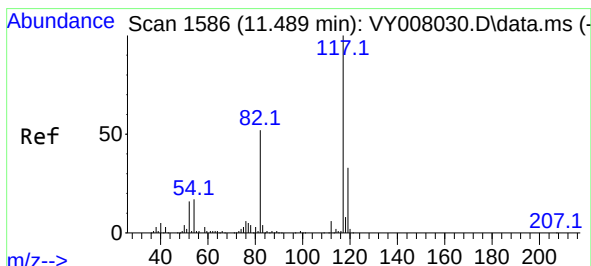
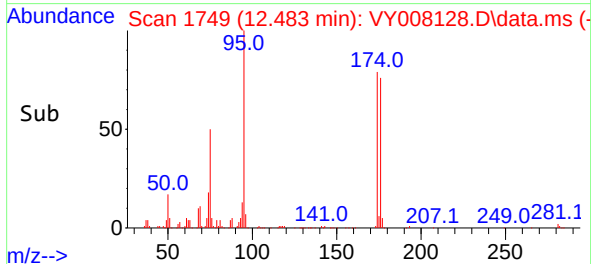
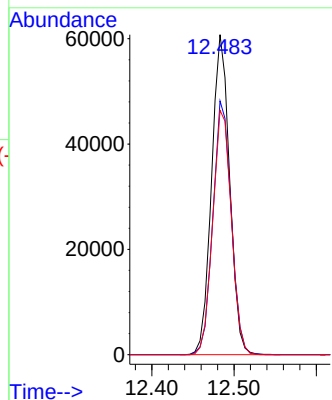
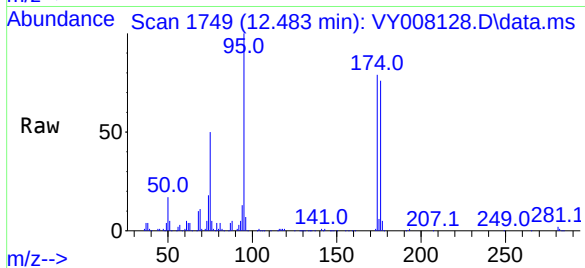




#62
4-Bromofluorobenzene
Concen: 49.032 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

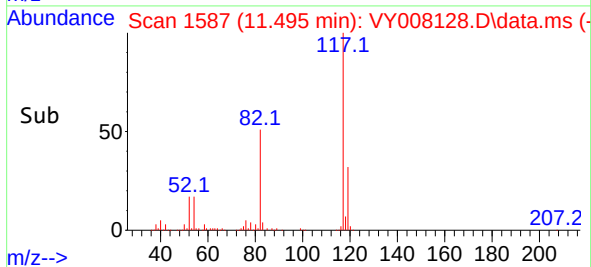
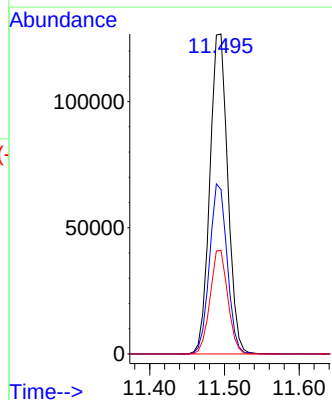
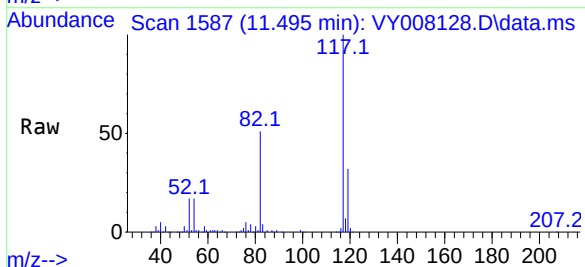
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

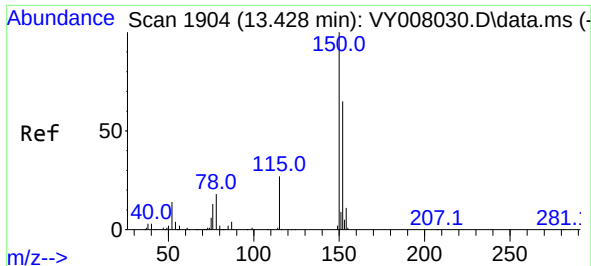
Tgt Ion: 95 Resp: 92730
Ion Ratio Lower Upper
95 100
174 80.2 0.0 177.0
176 78.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Tgt Ion: 117 Resp: 211739
Ion Ratio Lower Upper
117 100
82 51.4 43.0 64.4
119 32.4 25.4 38.0

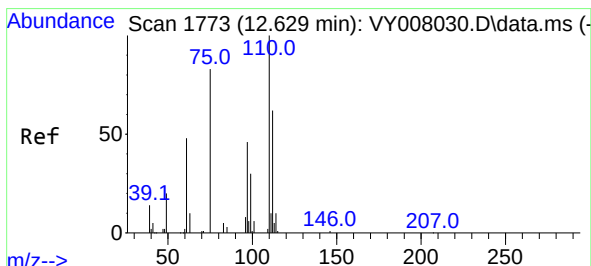
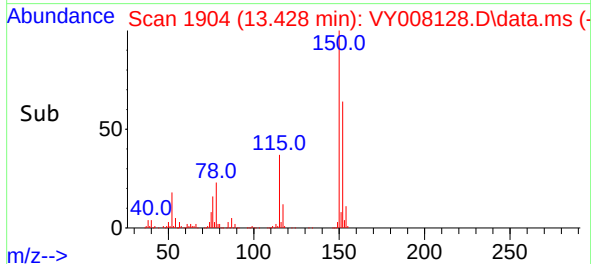
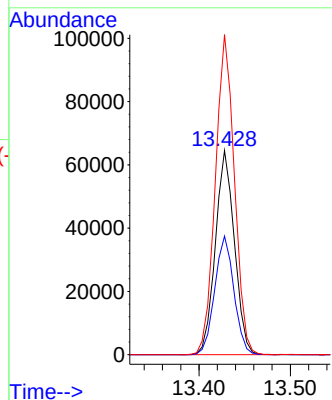
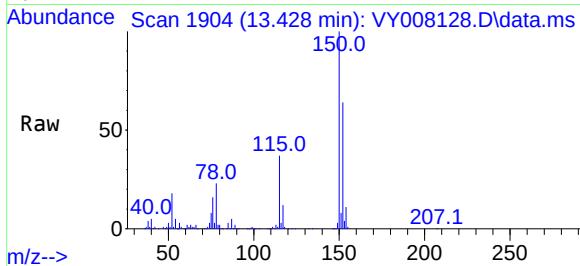




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY008128.D
 Acq: 31 Mar 2022 10:29

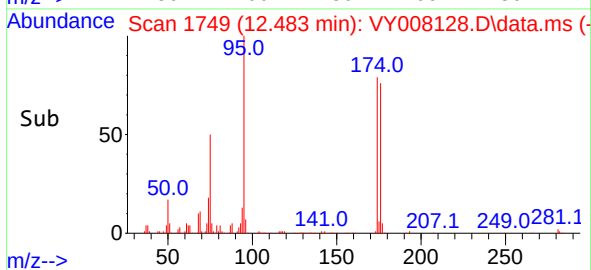
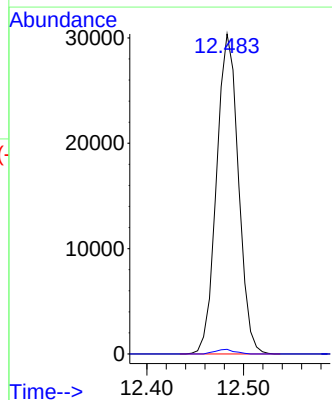
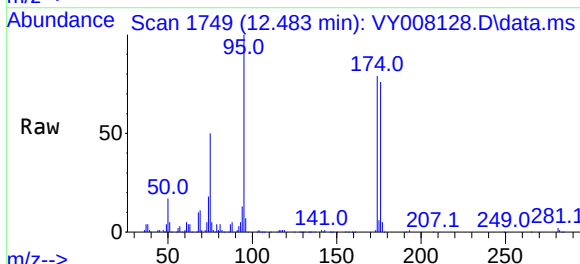
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBL01

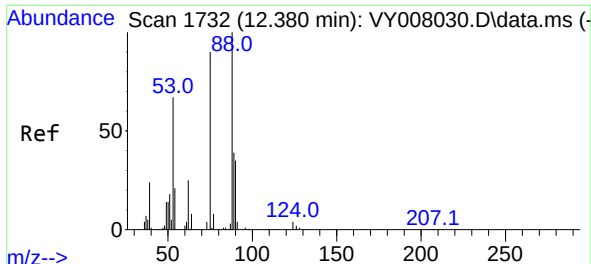
Tgt Ion:152 Resp: 93596
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.2 84.7
 150 156.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 41.765 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008128.D
 Acq: 31 Mar 2022 10:29

Tgt Ion: 75 Resp: 47651
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

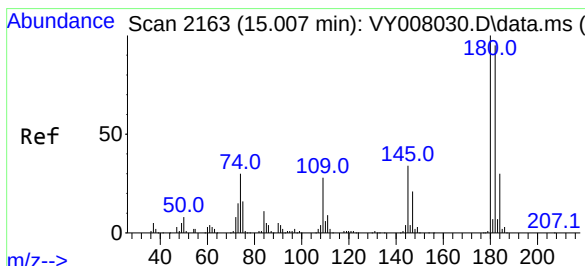
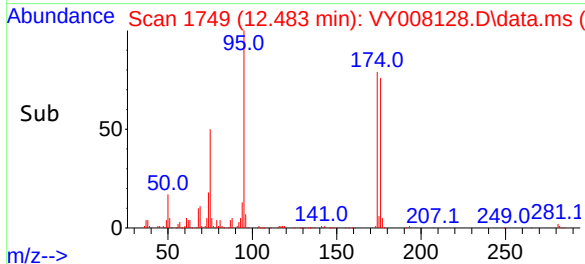
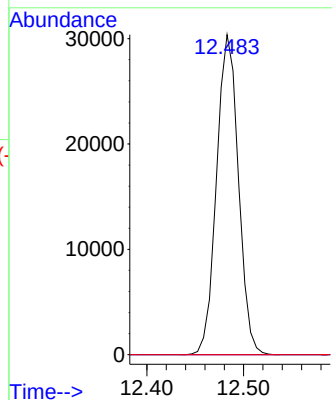
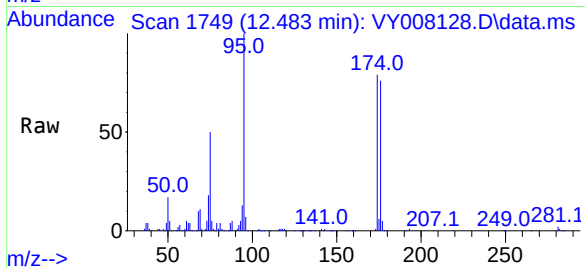




#81
trans-1,4-Dichloro-2-butene
Concen: 93.184 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

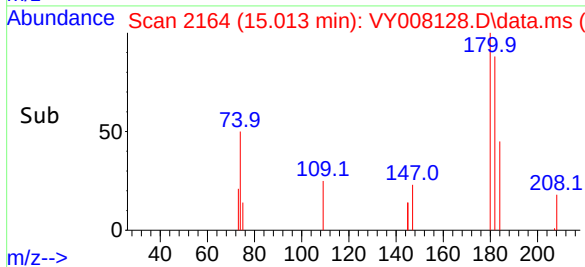
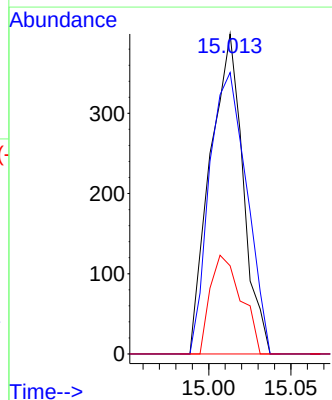
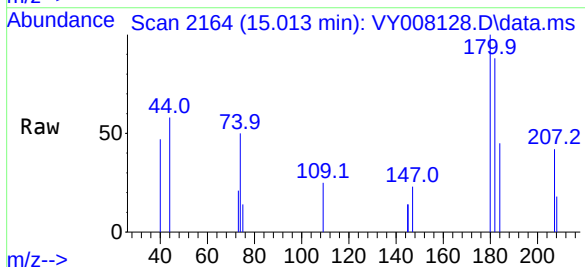
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

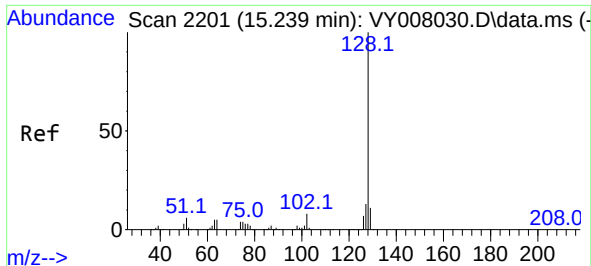
Tgt Ion: 75 Resp: 47651
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.299 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Tgt Ion:180 Resp: 554
Ion Ratio Lower Upper
180 100
182 99.8 47.3 141.9
145 29.1 14.6 43.8

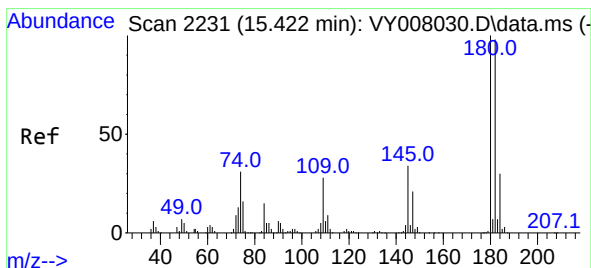
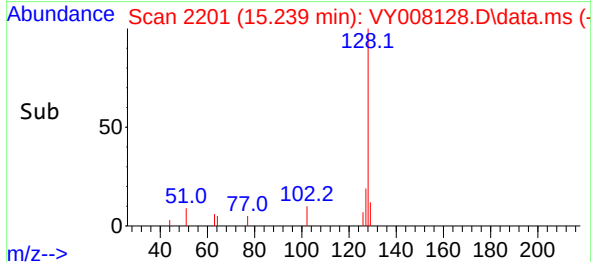
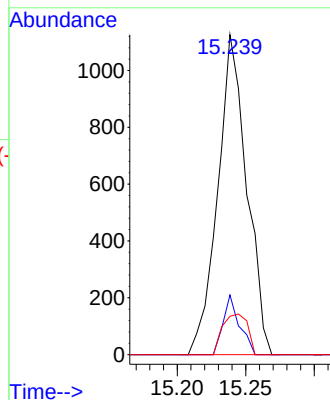
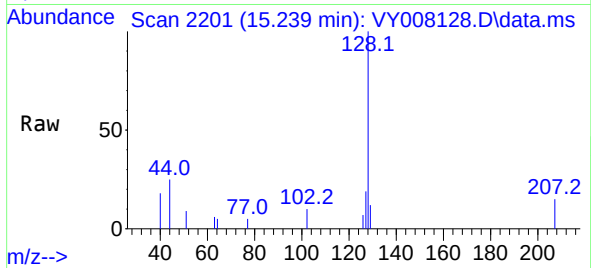




#95
Naphthalene
Concen: 0.404 ug/l
RT: 15.239 min Scan# 211
Delta R.T. -0.001 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion:128	Resp:	1655
Ion	Ratio	Lower Upper
128	100	
127	10.5	11.0 16.4#
129	10.9	8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 0.287 ug/l
RT: 15.421 min Scan# 2231
Delta R.T. -0.001 min
Lab File: VY008128.D
Acq: 31 Mar 2022 10:29

Tgt Ion:180	Resp:	460
Ion	Ratio	Lower Upper
180	100	
182	120.2	47.3 141.9
145	44.6	15.3 45.9

