

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008532.D
 Acq On : 27 Apr 2022 17:08
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 28 01:34:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

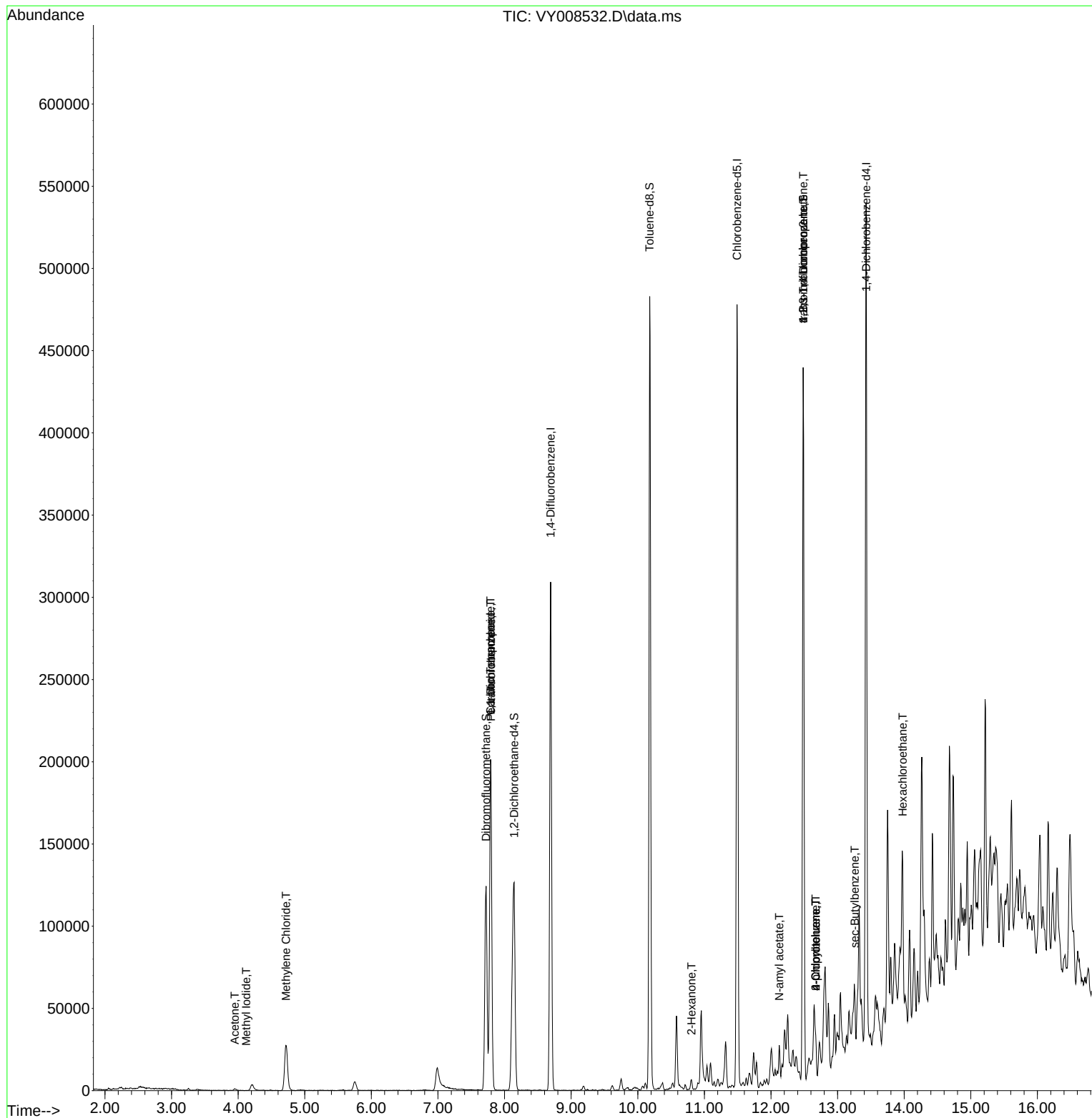
Internal Standards						
1) Pentafluorobenzene	7.795	168	171802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	286019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	283673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76387	37.788	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.580%
35) Dibromofluoromethane	7.722	113	89037	48.235	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.460%
50) Toluene-d8	10.179	98	328893	44.939	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.880%
62) 4-Bromofluorobenzene	12.483	95	126014	50.697	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.400%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.119	142	21	1.700	ug/l #	35
11) Tert butyl alcohol	4.954	59	701	Below Cal	#	77
16) Acetone	3.948	43	1832	3.891	ug/l #	88
20) Methylene Chloride	4.716	84	24752	4.492	ug/l #	69
36) 1,1-Dichloropropene	7.789	75	11070	3.770	ug/l #	52
38) Carbon Tetrachloride	7.789	117	15407	5.050	ug/l #	15
59) 2-Hexanone	10.807	43	2099	1.941	ug/l #	28
74) N-amyl acetate	12.124	43	4173	1.598	ug/l #	68
76) 1,2,3-Trichloropropane	12.483	75	61233	33.948	ug/l #	100
78) n-propylbenzene	12.672	91	17265	1.362	ug/l	98
79) 2-Chlorotoluene	12.672	91	17265	2.420	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	61233	78.755	ug/l #	8
82) 4-Chlorotoluene	12.672	91	17265	2.335	ug/l #	41
85) sec-Butylbenzene	13.258	105	14348	1.249	ug/l #	73
90) Hexachloroethane	13.977	117	3684	2.129	ug/l #	6

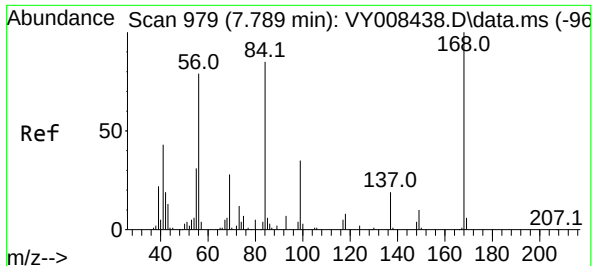
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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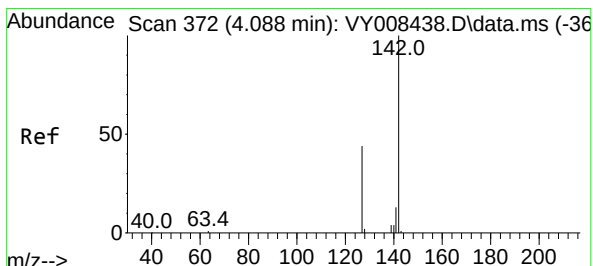
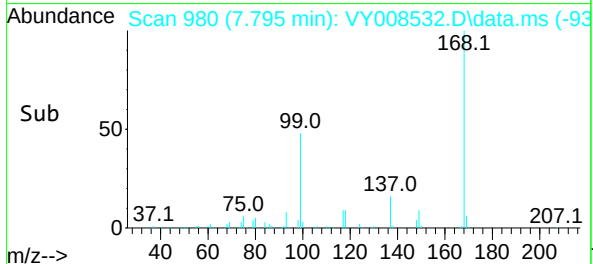
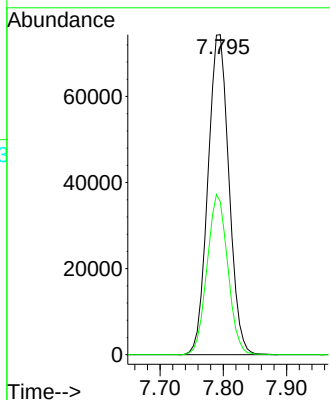
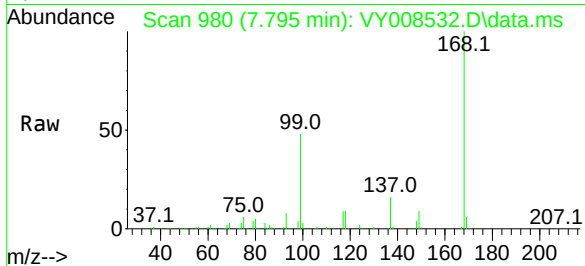




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

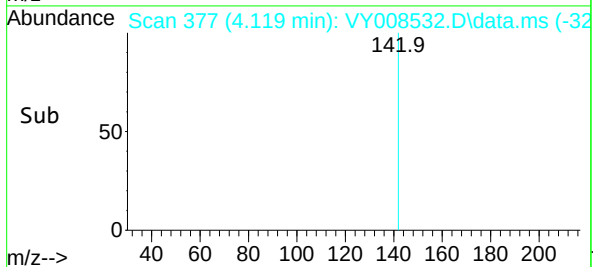
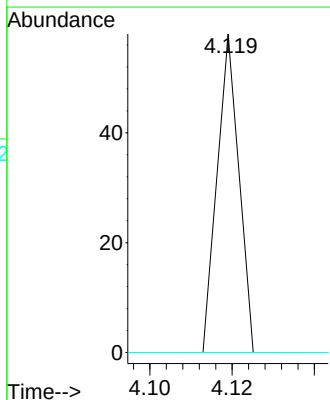
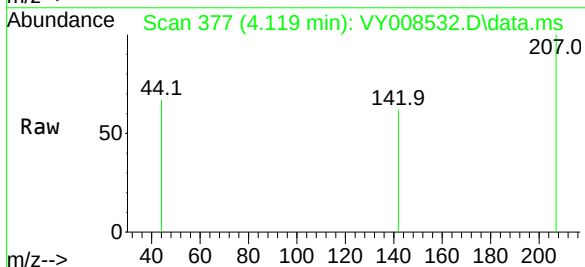
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

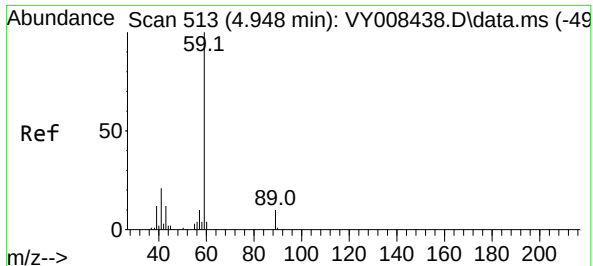
Tgt Ion:168 Resp: 171802
Ion Ratio Lower Upper
168 100
99 47.8 46.9 70.3



#10
Methyl Iodide
Concen: 1.700 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.031 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

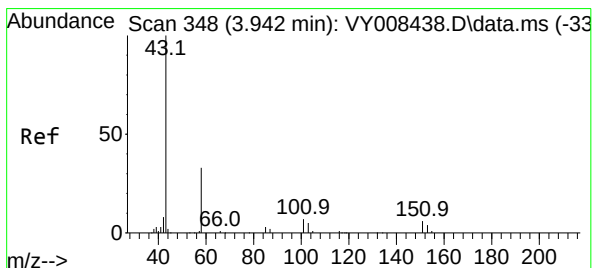
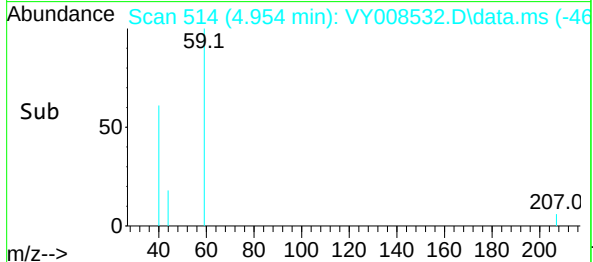
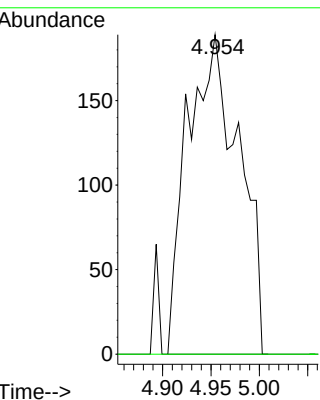
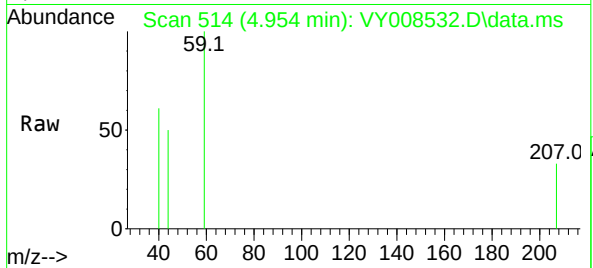




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

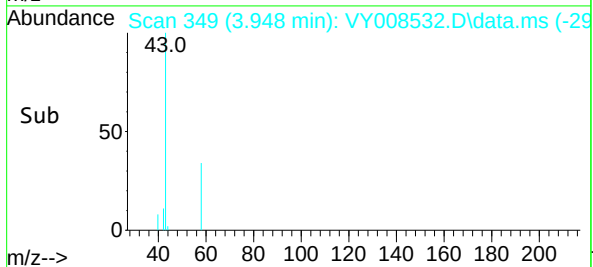
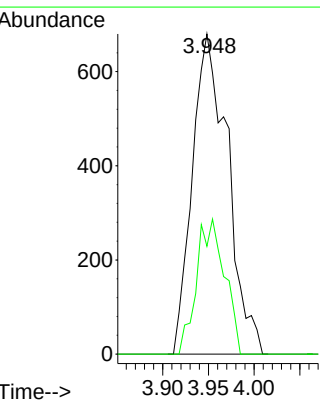
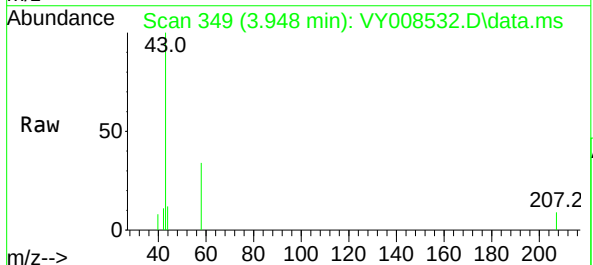
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

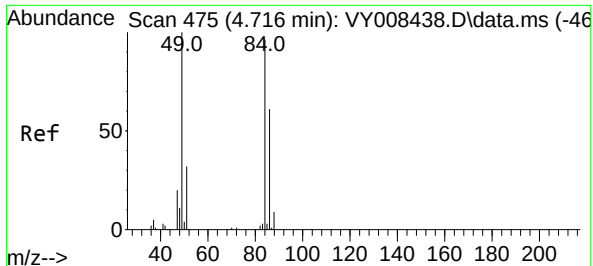
Tgt Ion: 59 Resp: 701
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 3.891 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

Tgt Ion: 43 Resp: 1832
Ion Ratio Lower Upper
43 100
58 33.7 22.0 33.0#

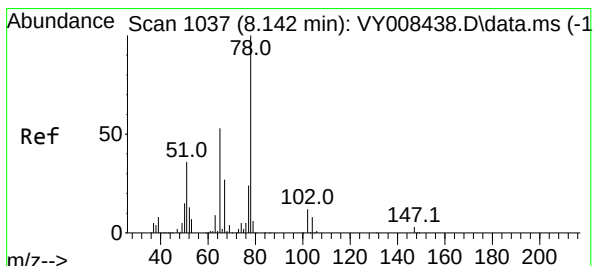
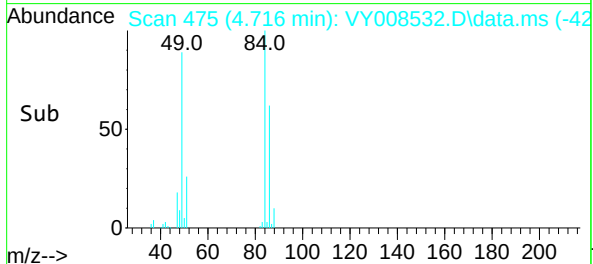
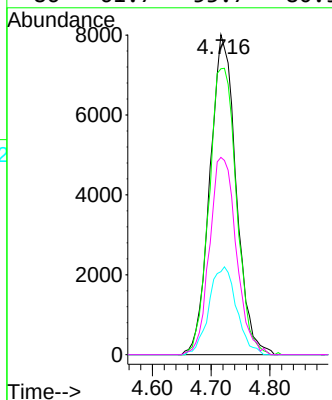
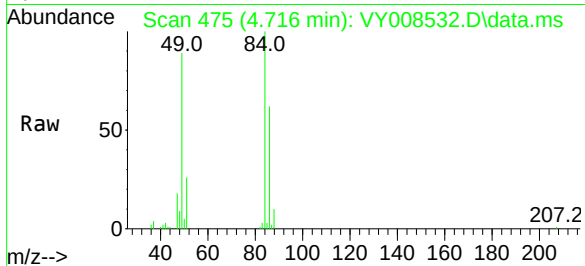




#20
Methylene Chloride
Concen: 4.492 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

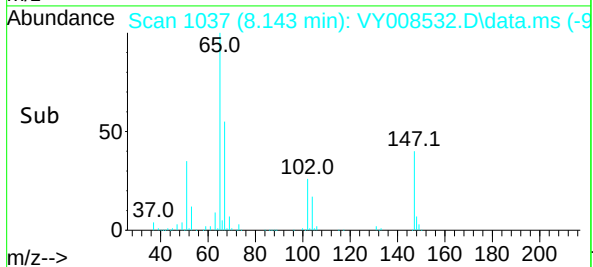
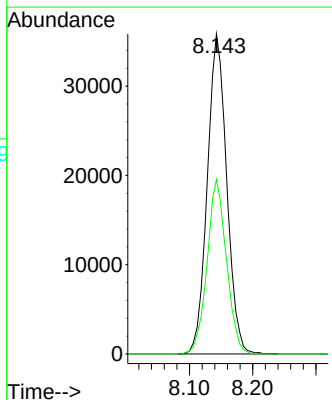
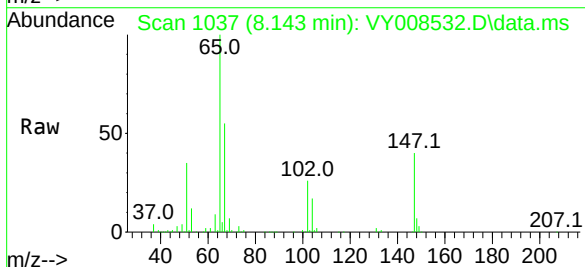
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

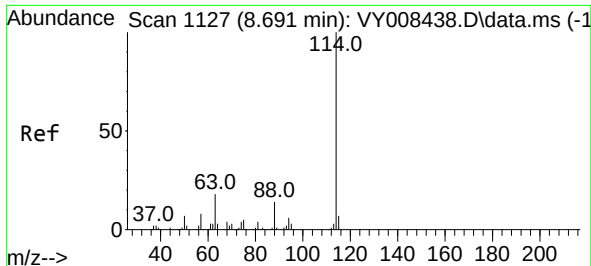
Tgt Ion: 84 Resp: 24752
Ion Ratio Lower Upper
84 100
49 89.4 114.4 171.6#
51 26.0 35.3 52.9#
86 61.7 53.7 80.5



#33
1,2-Dichloroethane-d4
Concen: 37.788 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

Tgt Ion: 65 Resp: 76387
Ion Ratio Lower Upper
65 100
67 54.4 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: VY008532.D

Acq: 27 Apr 2022 17:08

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

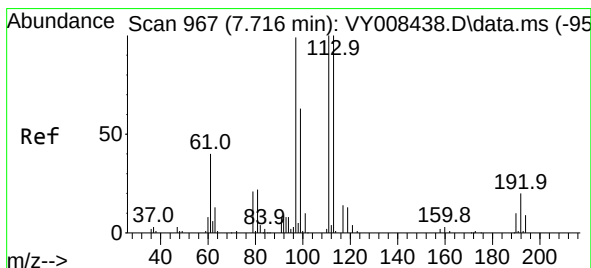
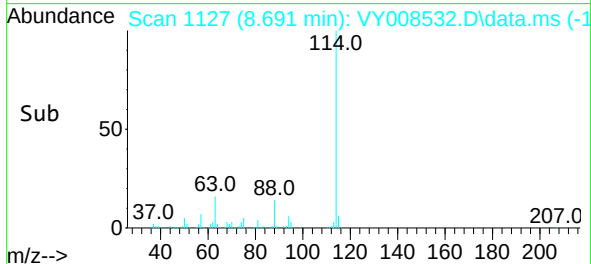
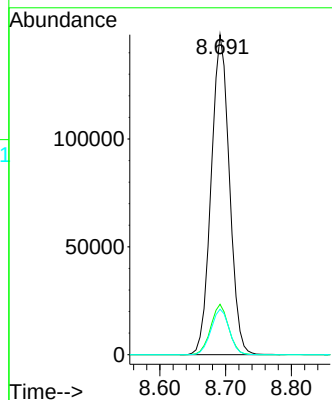
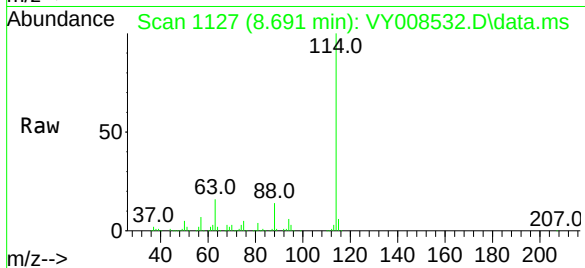
Tgt Ion:114 Resp: 286019

Ion Ratio Lower Upper

114 100

63 15.7 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.235 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY008532.D

Acq: 27 Apr 2022 17:08

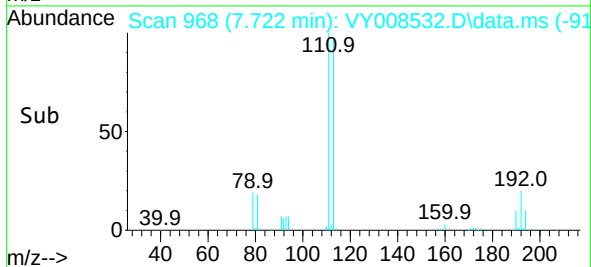
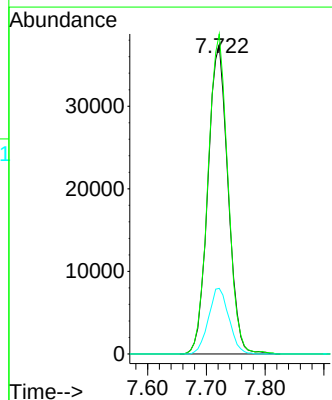
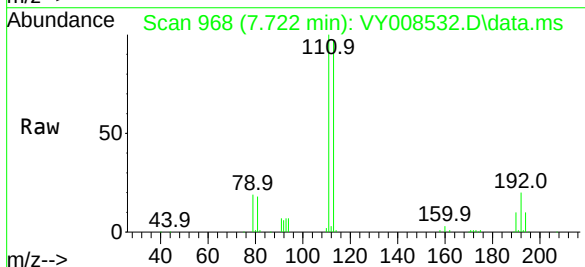
Tgt Ion:113 Resp: 89037

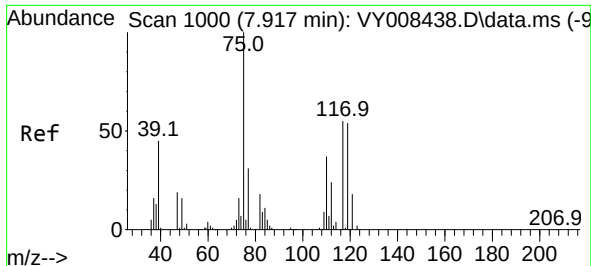
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 21.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.770 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008532.D

Acq: 27 Apr 2022 17:08

Instrument :

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ClientSampleId :

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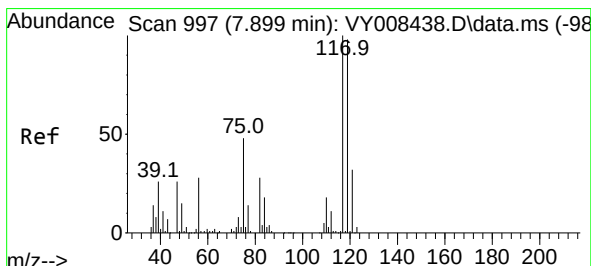
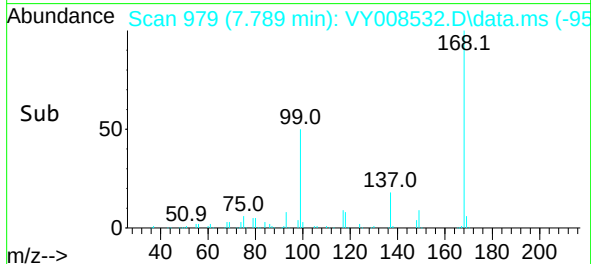
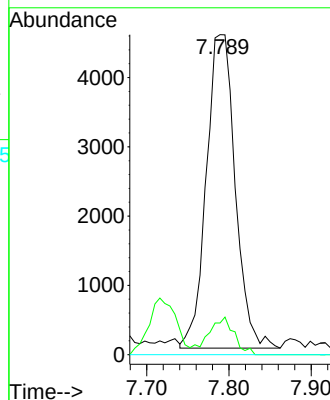
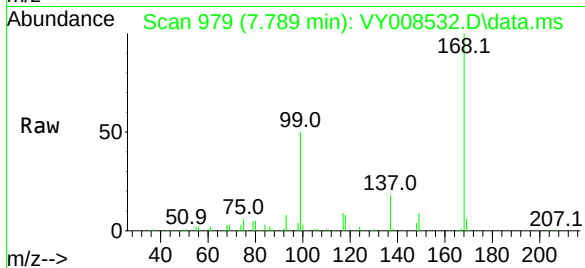
Tgt Ion: 75 Resp: 11070

Ion Ratio Lower Upper

75 100

110 10.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.050 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008532.D

Acq: 27 Apr 2022 17:08

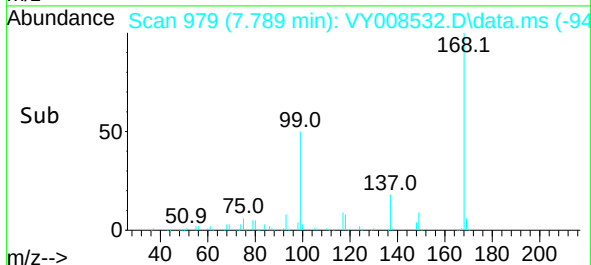
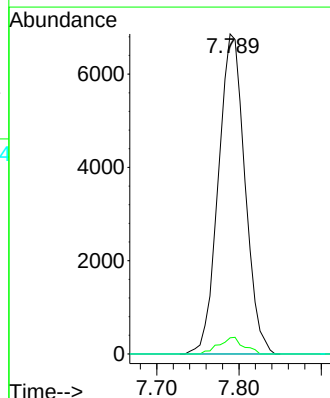
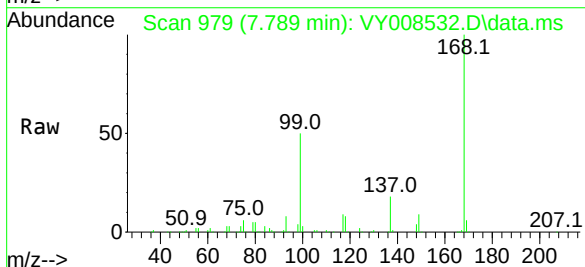
Tgt Ion: 117 Resp: 15407

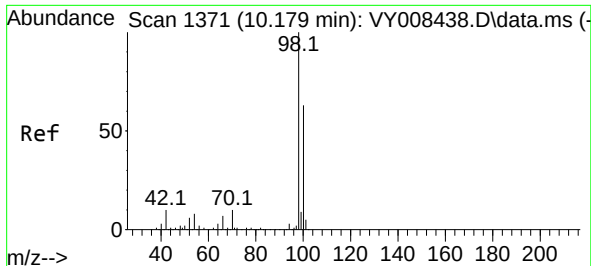
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#

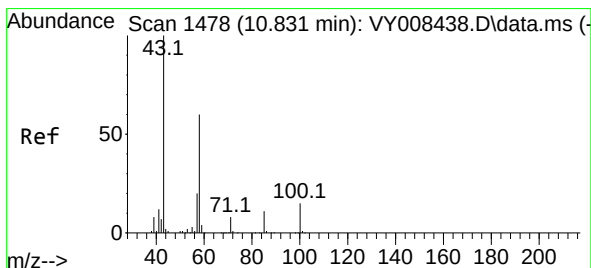
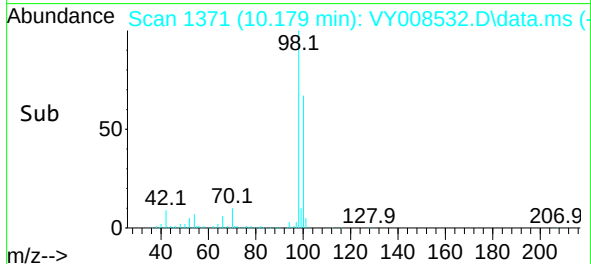
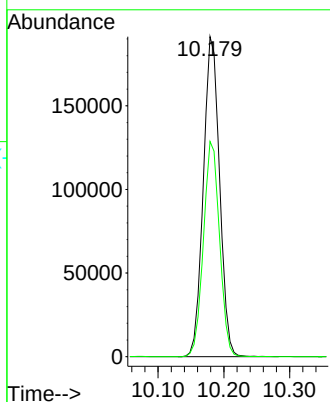
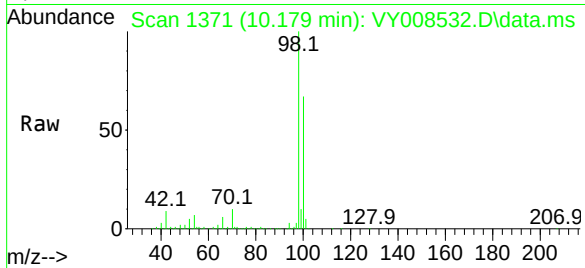




#50
Toluene-d8
Concen: 44.939 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

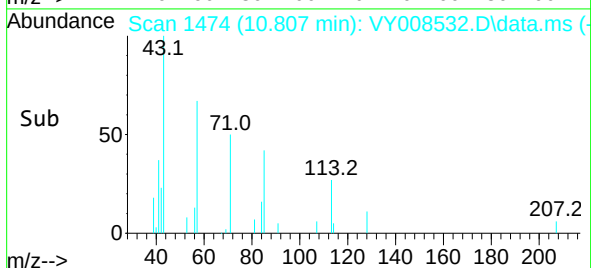
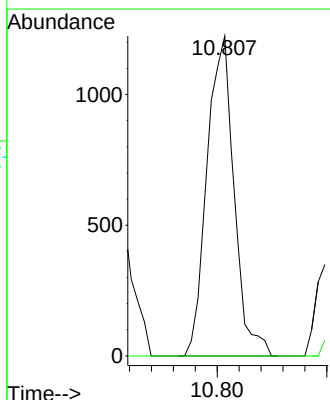
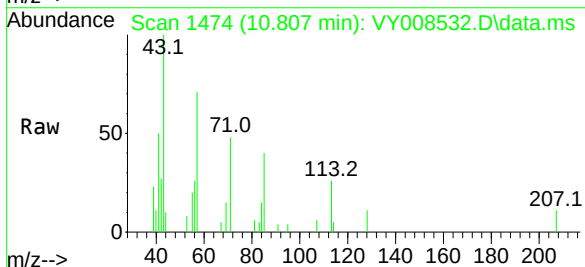
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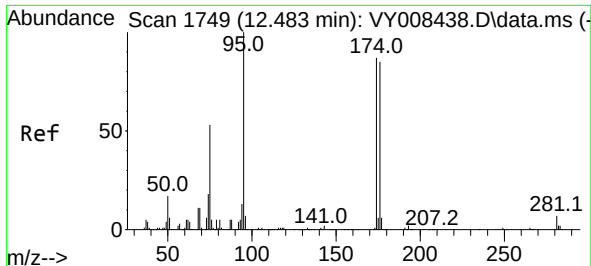
Tgt Ion: 98 Resp: 328893
Ion Ratio Lower Upper
98 100
100 66.6 50.2 75.2



#59
2-Hexanone
Concen: 1.941 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

Tgt Ion: 43 Resp: 2099
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

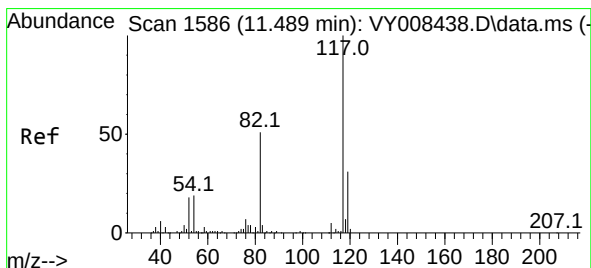
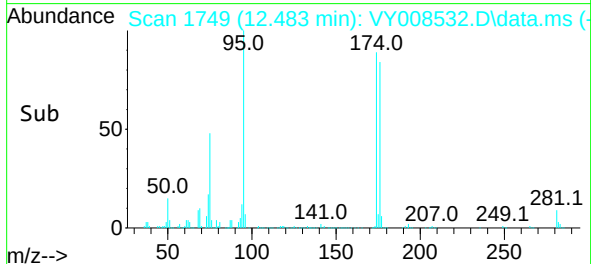
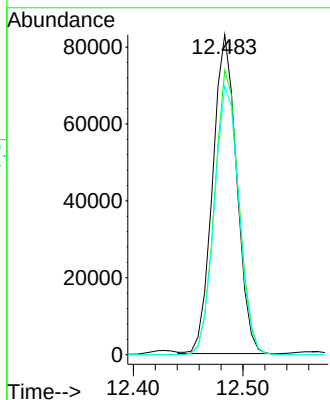
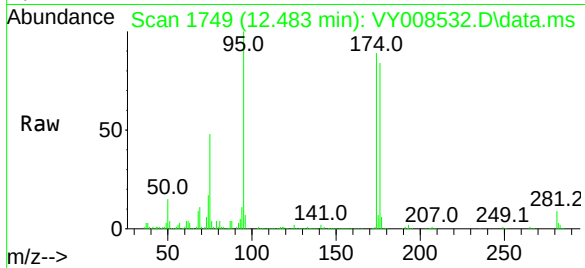




#62
4-Bromofluorobenzene
Concen: 50.697 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

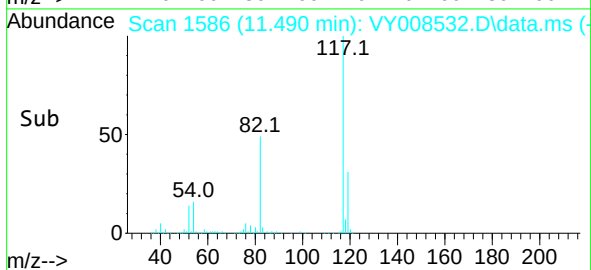
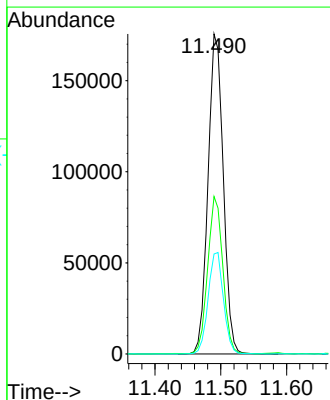
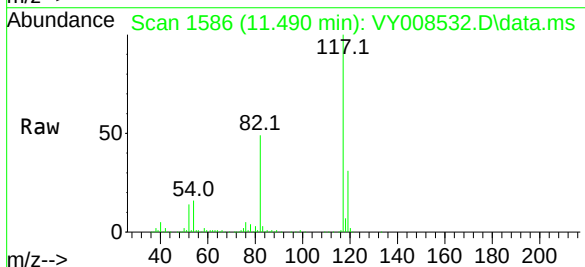
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

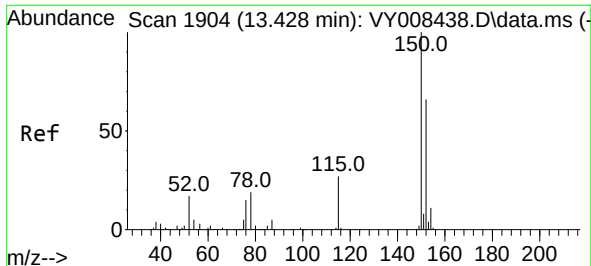
Tgt Ion: 95 Resp: 126014
Ion Ratio Lower Upper
95 100
174 90.5 0.0 177.0
176 86.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

Tgt Ion: 117 Resp: 283673
Ion Ratio Lower Upper
117 100
82 49.0 43.0 64.4
119 31.3 25.4 38.0

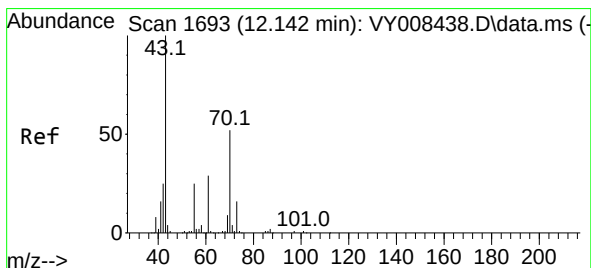
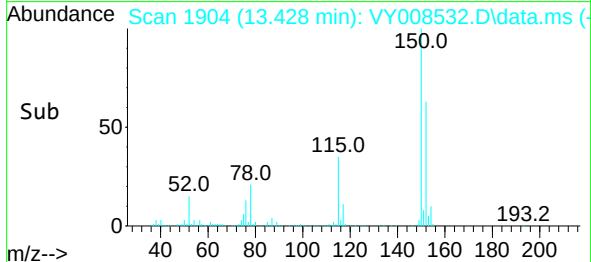
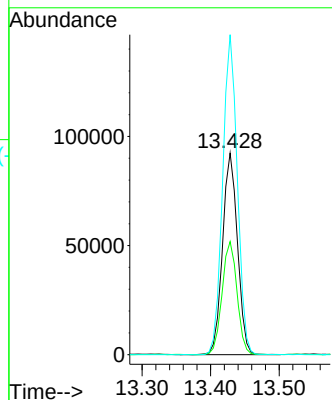
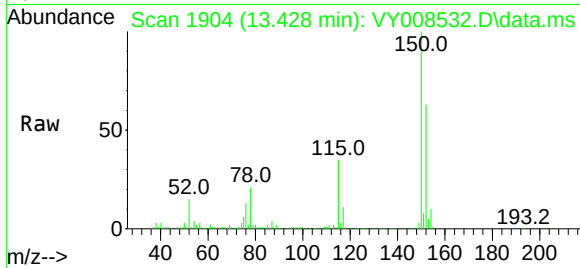




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

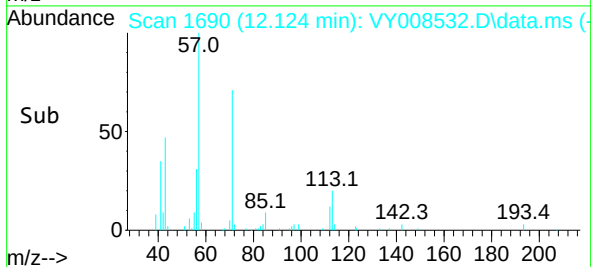
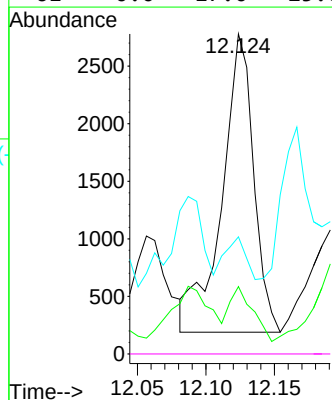
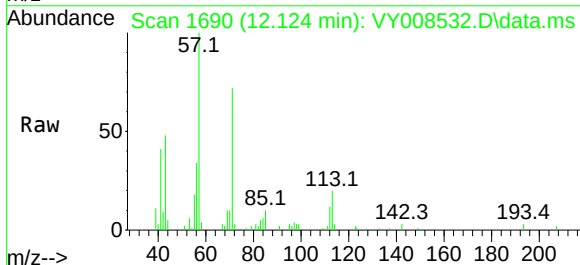
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

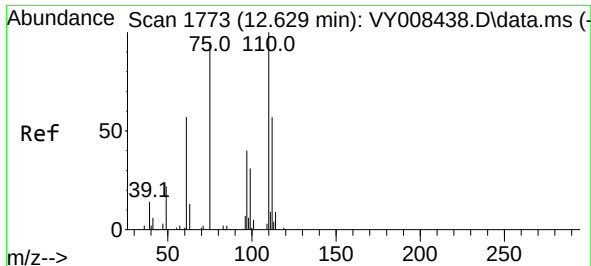
Tgt Ion:152 Resp: 139375
Ion Ratio Lower Upper
152 100
115 56.1 28.2 84.7
150 155.6 0.0 347.6



#74
N-ethyl acetate
Concen: 1.598 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

Tgt Ion: 43 Resp: 4173
Ion Ratio Lower Upper
43 100
70 13.4 28.7 43.1#
55 25.6 17.3 25.9
61 0.0 17.0 25.6#

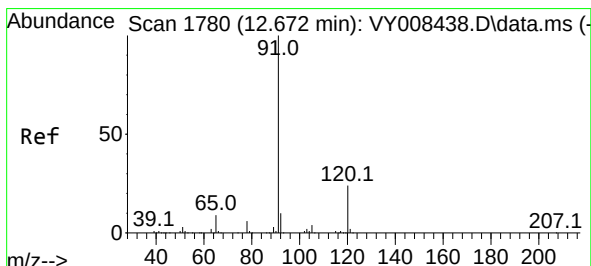
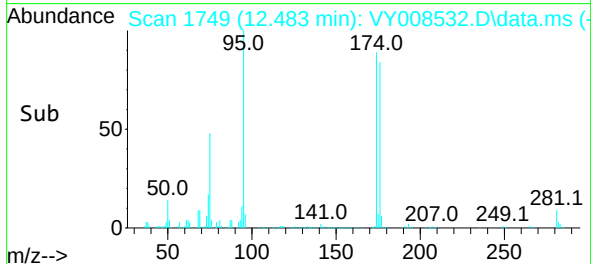
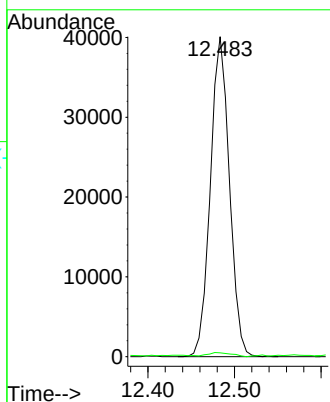
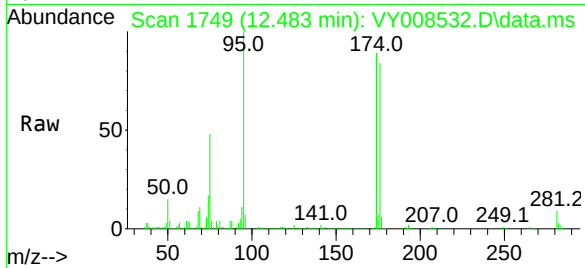




#76
1,2,3-Trichloropropane
Concen: 33.948 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

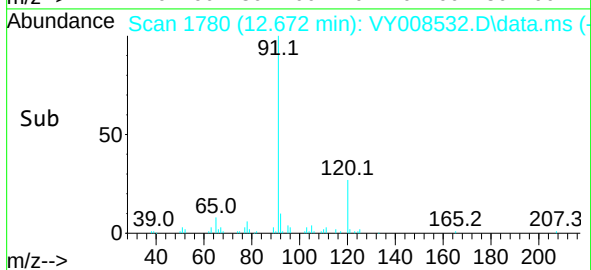
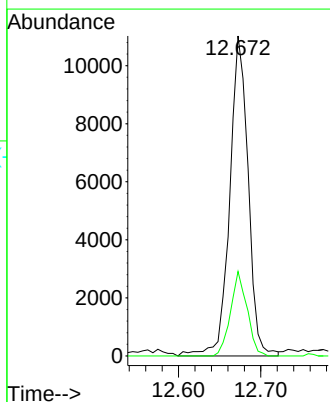
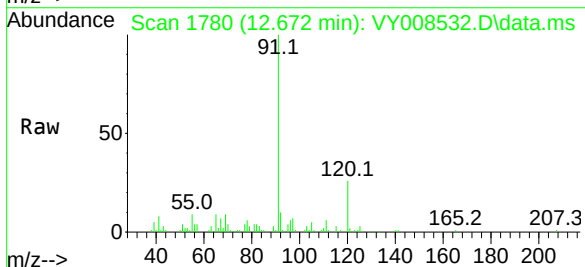
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

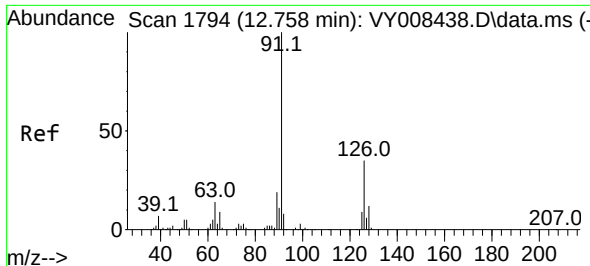
Tgt Ion: 75 Resp: 61233
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#78
n-propylbenzene
Concen: 1.362 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

Tgt Ion: 91 Resp: 17265
Ion Ratio Lower Upper
91 100
120 23.6 11.3 33.9

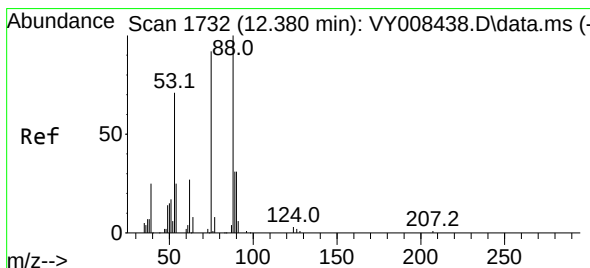
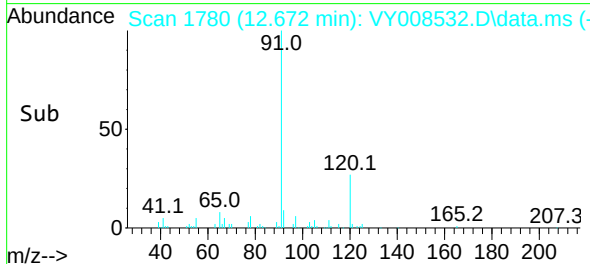
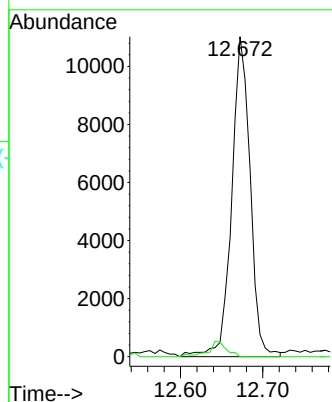
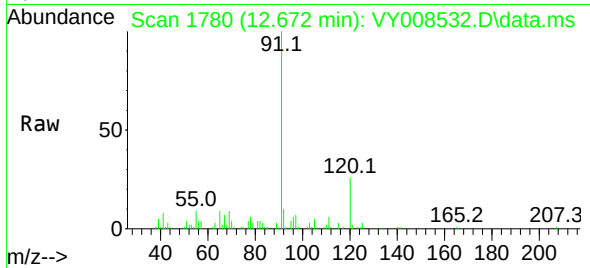




#79
2-Chlorotoluene
Concen: 2.420 ug/l
RT: 12.672 min Scan# 1794
Delta R.T. -0.086 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

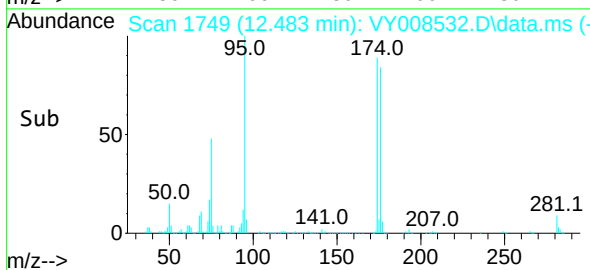
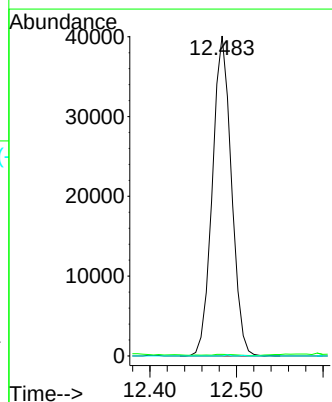
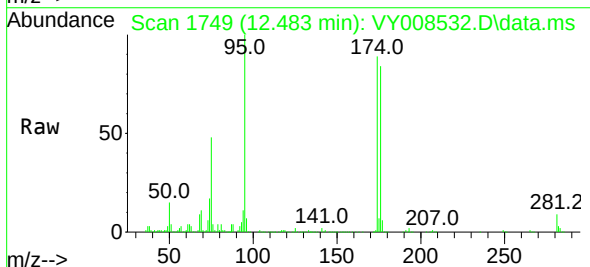
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

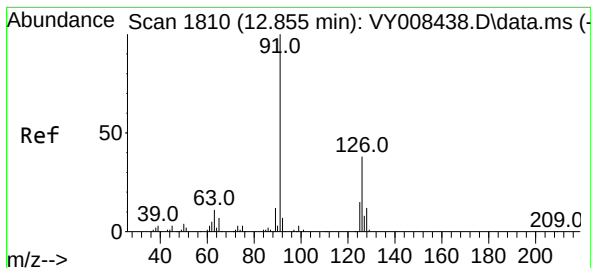
Tgt Ion: 91 Resp: 17265
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.755 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

Tgt Ion: 75 Resp: 61233
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 0.1 37.0 55.4#





#82

4-Chlorotoluene

Concen: 2.335 ug/l

RT: 12.672 min Scan# 1

Delta R.T. -0.183 min

Lab File: VY008532.D

Acq: 27 Apr 2022 17:08

Instrument :

MSVOA_Y

ClientSampleId :

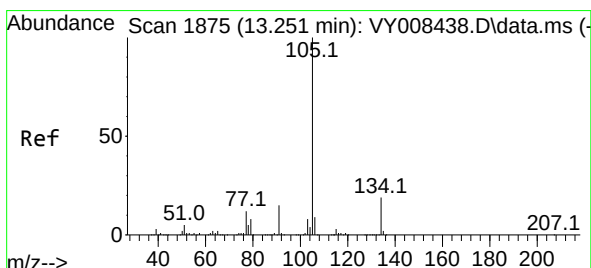
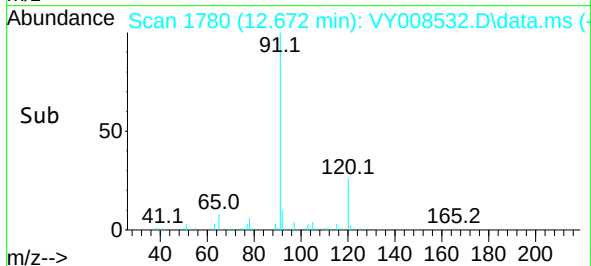
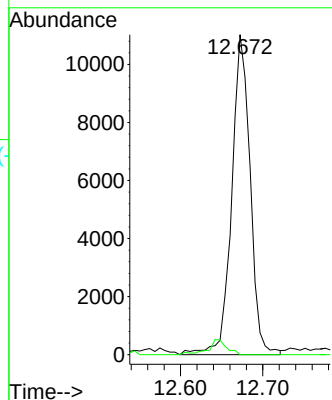
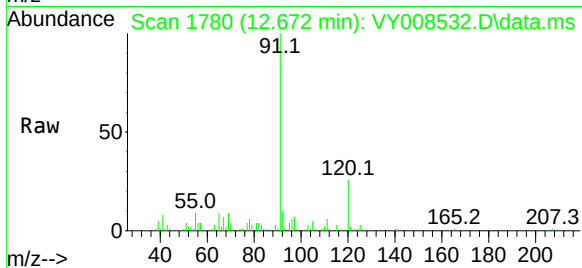
VIBLK

Tgt Ion: 91 Resp: 17265

Ion Ratio Lower Upper

91 100

126 0.0 17.0 51.0#



#85

sec-Butylbenzene

Concen: 1.249 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. 0.007 min

Lab File: VY008532.D

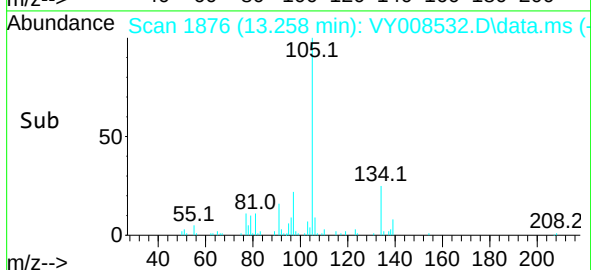
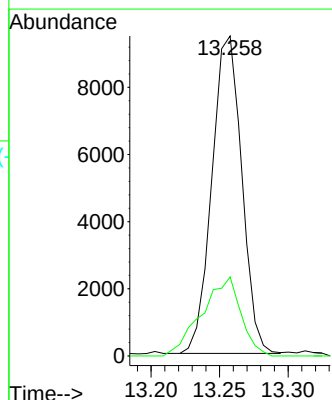
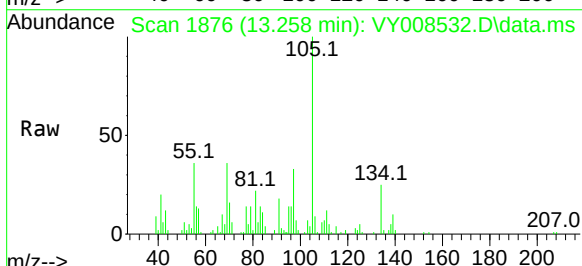
Acq: 27 Apr 2022 17:08

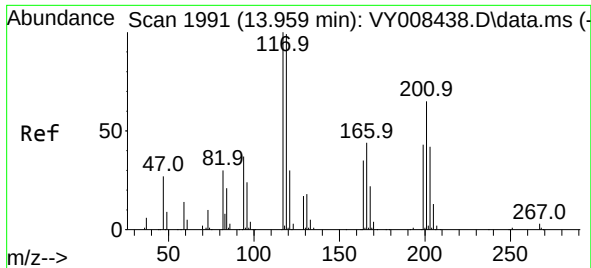
Tgt Ion: 105 Resp: 14348

Ion Ratio Lower Upper

105 100

134 32.6 10.2 30.4#





#90
Hexachloroethane
Concen: 2.129 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY008532.D
Acq: 27 Apr 2022 17:08

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 3684
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

