

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008431.D
 Acq On : 20 Apr 2022 20:12
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 21 02:42:50 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)

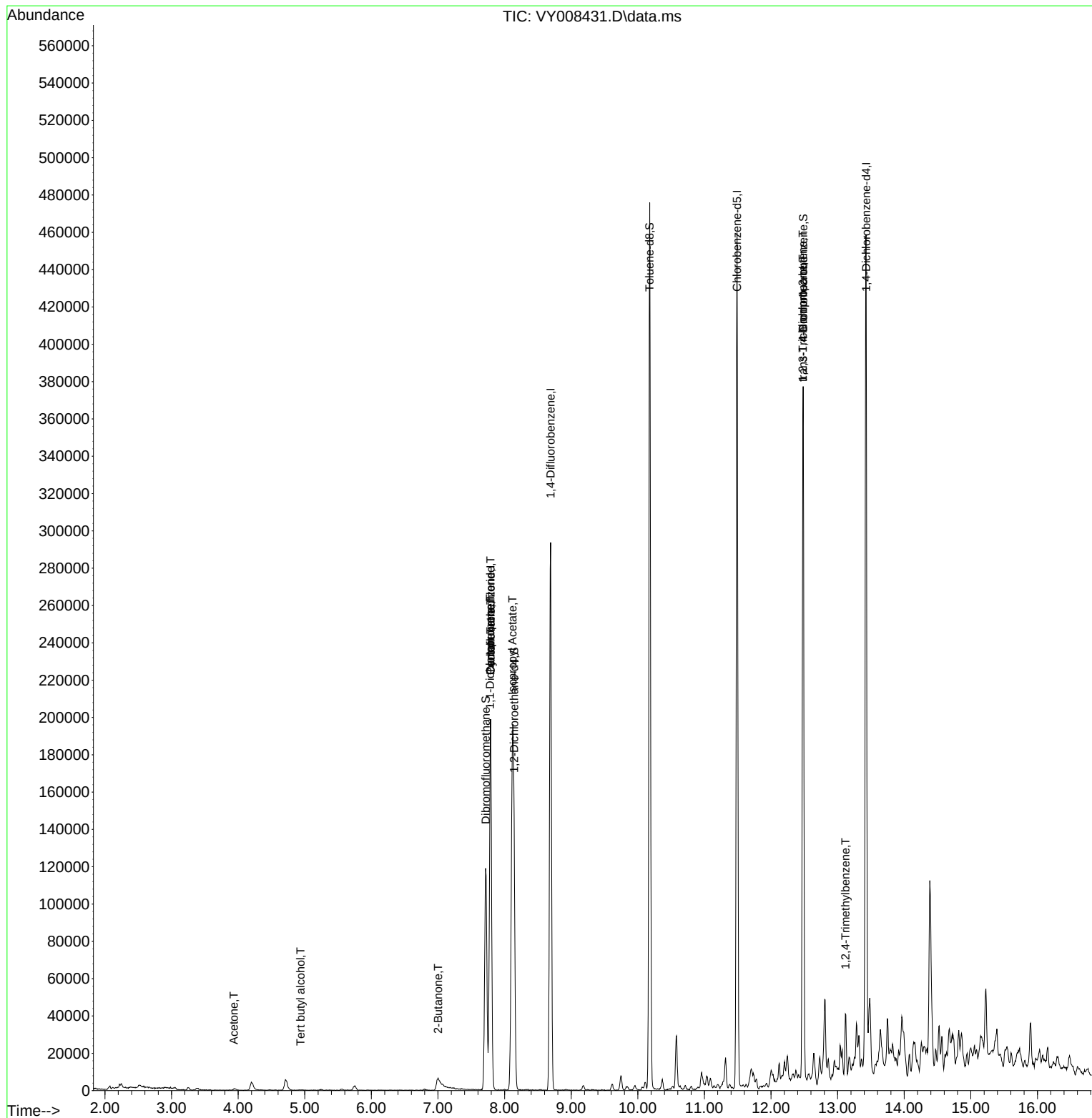
Internal Standards						
1) Pentafluorobenzene	7.789	168	161970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	276768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	262849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	74618	49.045	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.080%
35) Dibromofluoromethane	7.716	113	86377	54.034	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.060%
50) Toluene-d8	10.179	98	320106	58.521	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	117.040%
62) 4-Bromofluorobenzene	12.483	95	114803	55.800	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	175	Below Cal	#	44
5) Bromomethane	2.637	94	44	Below Cal	#	4
11) Tert butyl alcohol	4.936	59	376	2.312	ug/l #	77
16) Acetone	3.936	43	1545	4.222	ug/l	94
18) Methyl Acetate	4.491	43	326	Below Cal	#	56
20) Methylene Chloride	4.710	84	5132	Below Cal	#	65
25) 2-Butanone	7.003	43	579	1.012	ug/l #	54
31) Cyclohexane	7.789	56	2854	1.037	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	11288	4.422	ug/l #	50
38) Carbon Tetrachloride	7.789	117	14973	5.452	ug/l #	15
43) Isopropyl Acetate	8.118	43	2792	1.143	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	57478	41.988	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57478	93.947	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	18542	2.483	ug/l	99

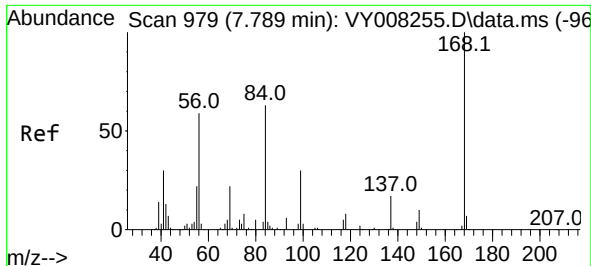
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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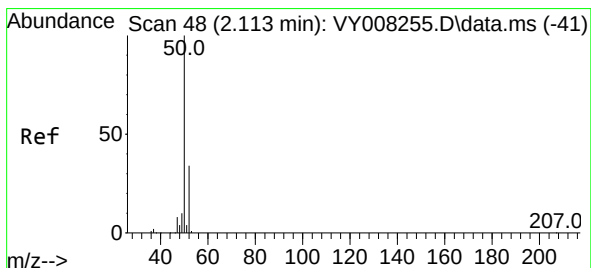
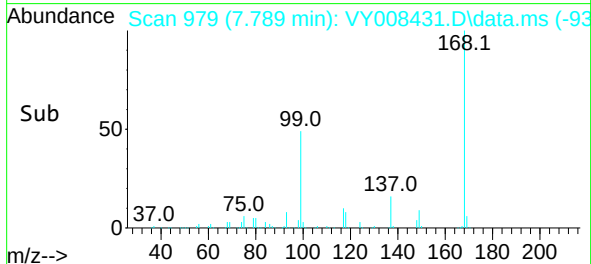
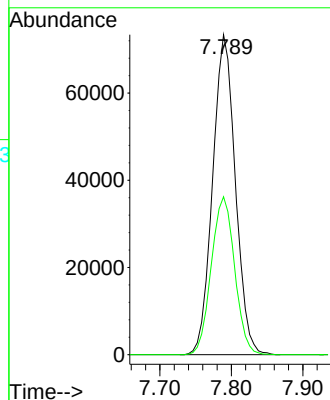
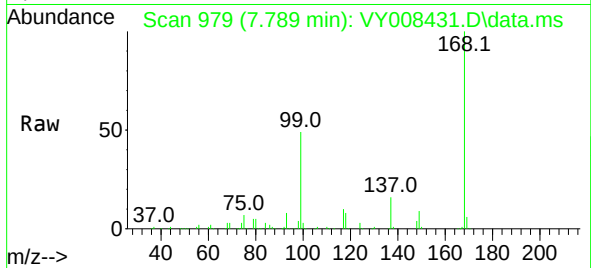




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

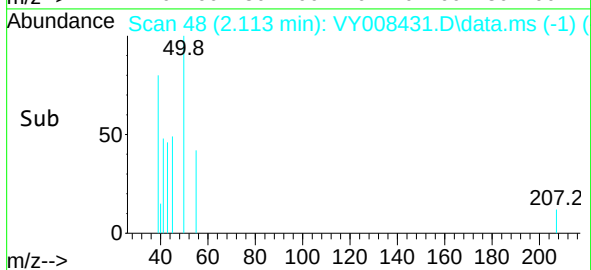
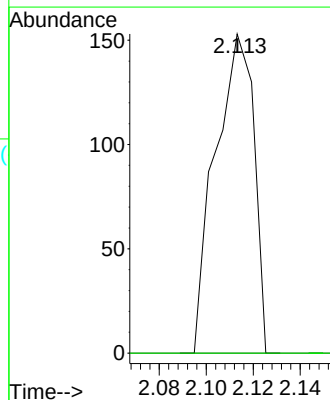
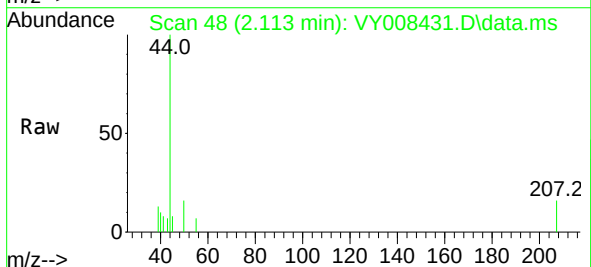
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

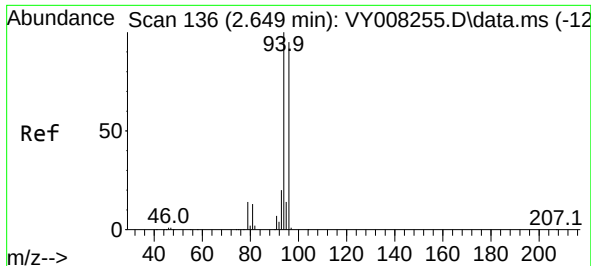
Tgt Ion:168 Resp: 161970
Ion Ratio Lower Upper
168 100
99 49.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

Tgt Ion: 50 Resp: 175
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

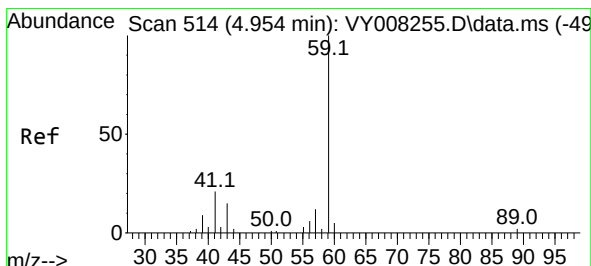
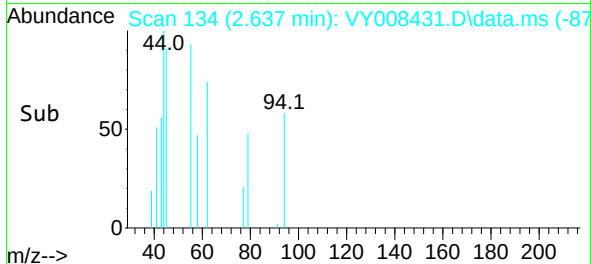
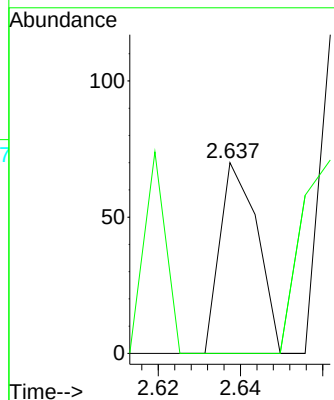
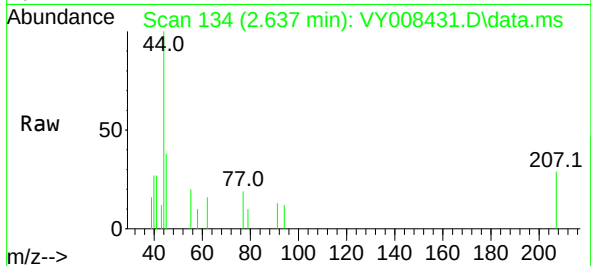




#5
Bromomethane
Concen: Below Cal
RT: 2.637 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

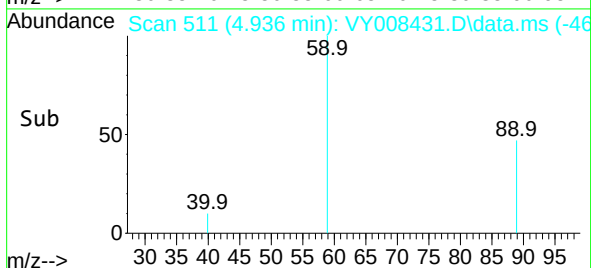
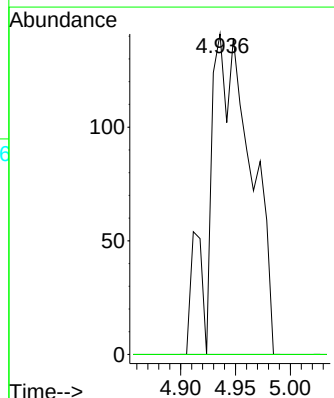
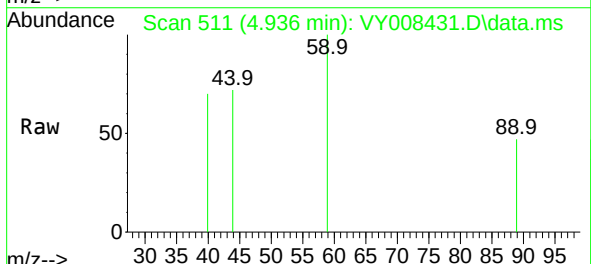
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

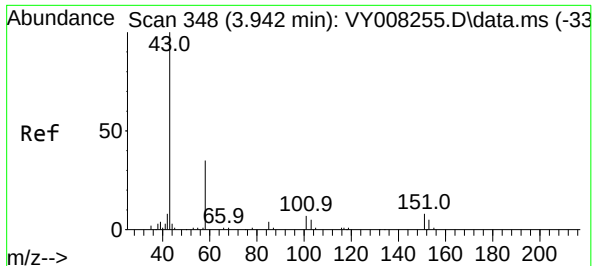
Tgt Ion: 94 Resp: 44
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 2.312 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

Tgt Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

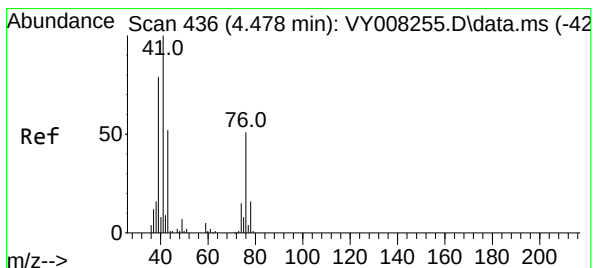
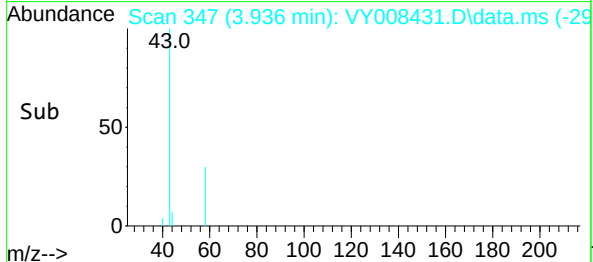
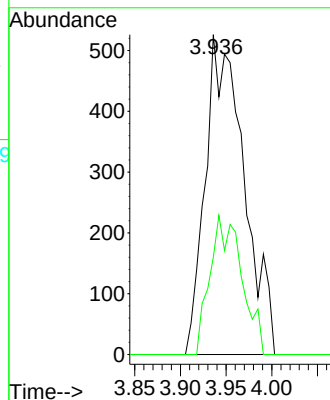
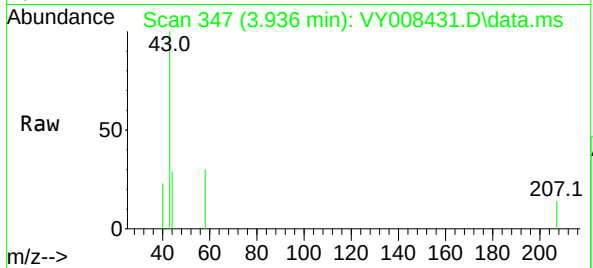




#16
Acetone
Concen: 4.222 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

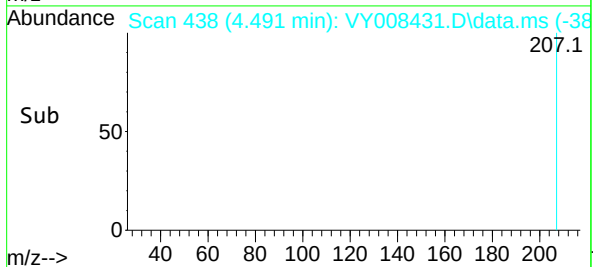
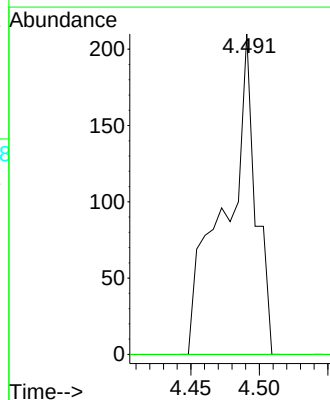
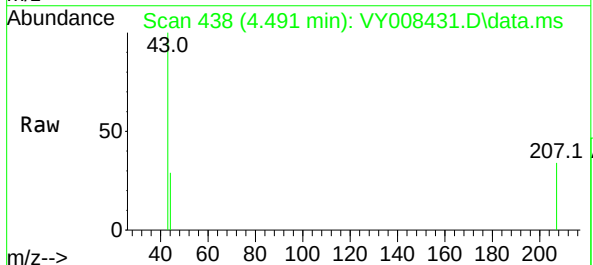
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

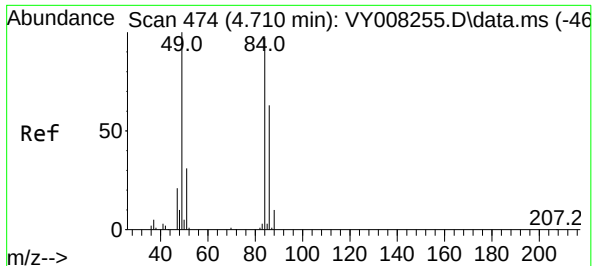
Tgt Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
58 30.4 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.013 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

Tgt Ion: 43 Resp: 326
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY008431.D

Acq: 20 Apr 2022 20:12

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 5132

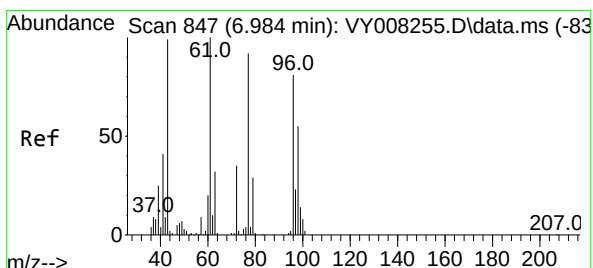
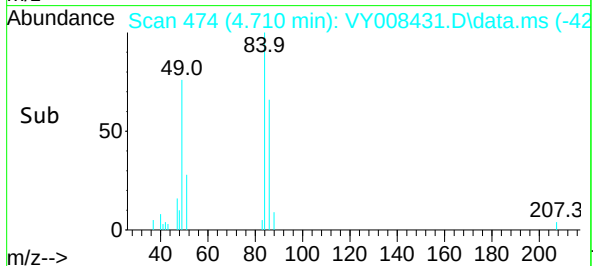
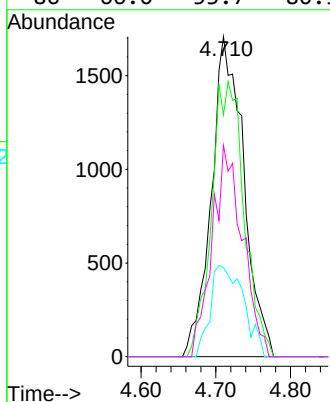
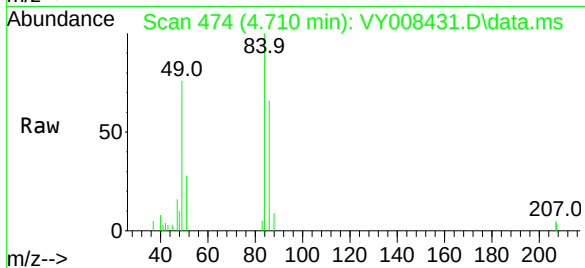
Ion Ratio Lower Upper

84 100

49 75.6 114.4 171.6#

51 27.8 35.3 52.9#

86 66.0 53.7 80.5



#25

2-Butanone

Concen: 1.012 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.019 min

Lab File: VY008431.D

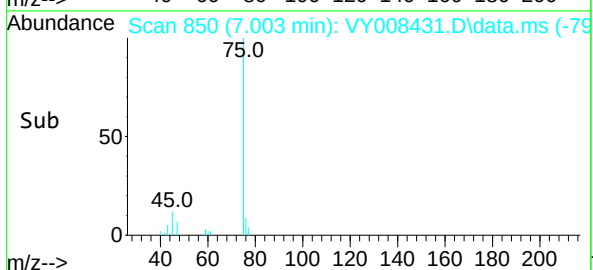
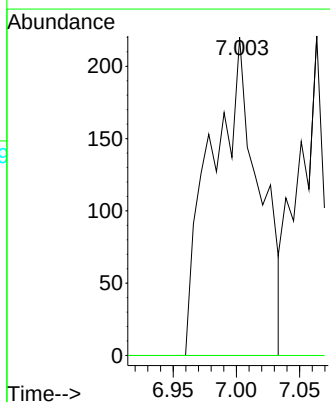
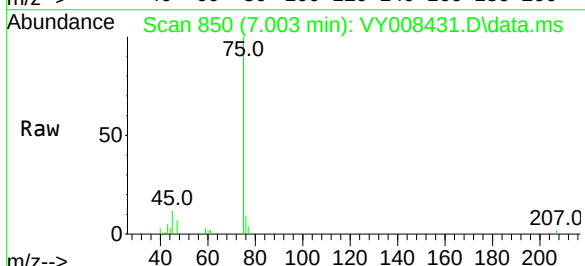
Acq: 20 Apr 2022 20:12

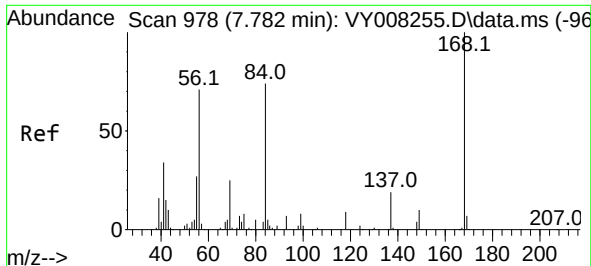
Tgt Ion: 43 Resp: 579

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

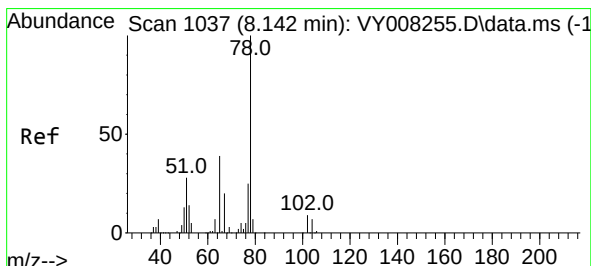
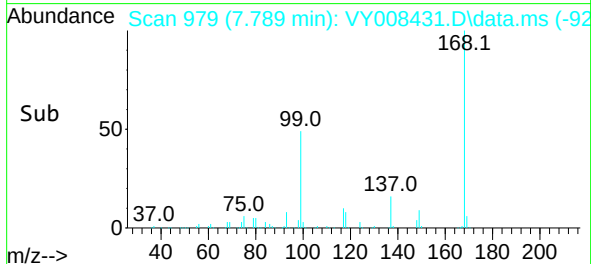
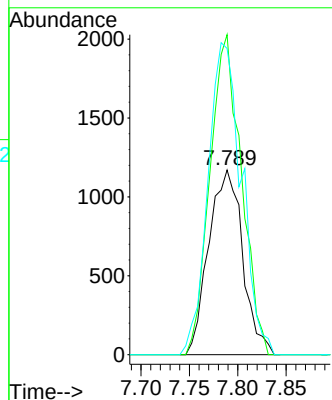
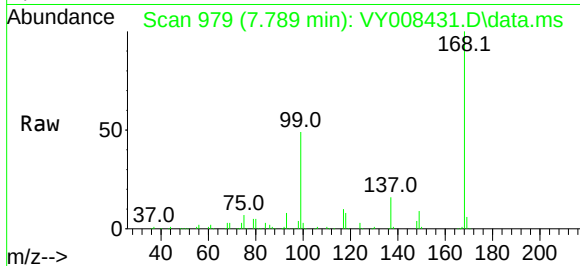




#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

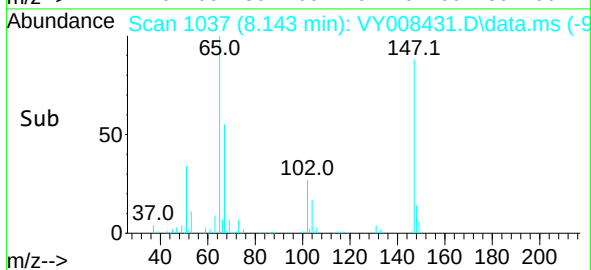
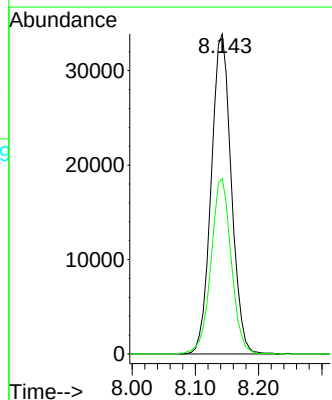
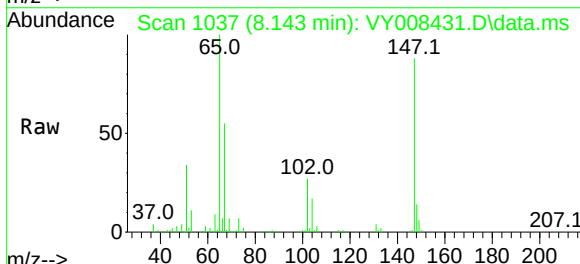
Instrument :
MSVOA_Y
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VIBLK

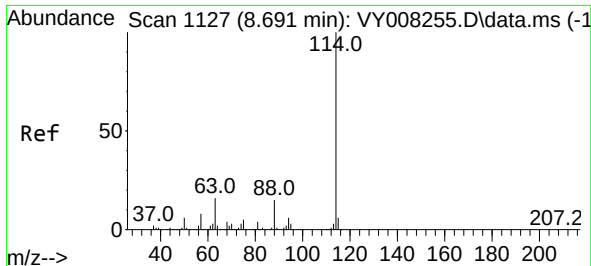
Tgt Ion: 56 Resp: 2854
Ion Ratio Lower Upper
56 100
69 173.3 26.7 40.1#
84 165.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 49.045 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

Tgt Ion: 65 Resp: 74618
Ion Ratio Lower Upper
65 100
67 55.4 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: VY008431.D

Acq: 20 Apr 2022 20:12

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

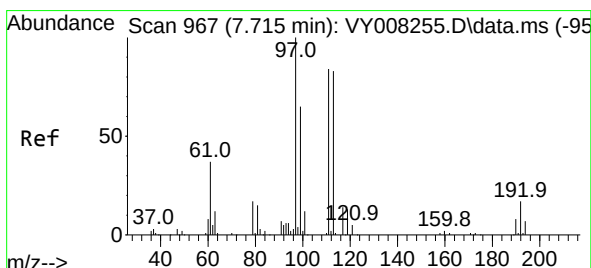
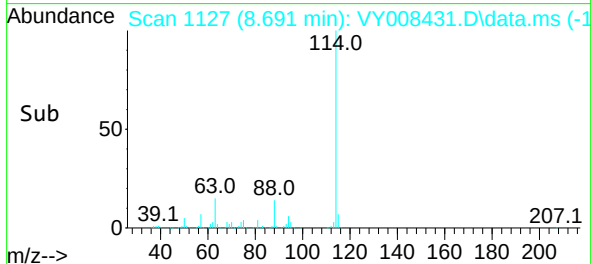
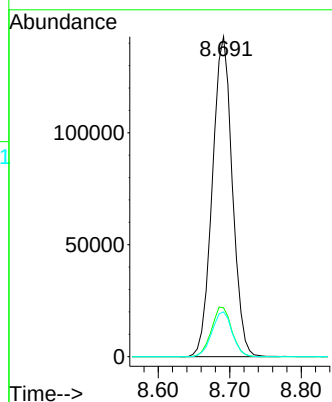
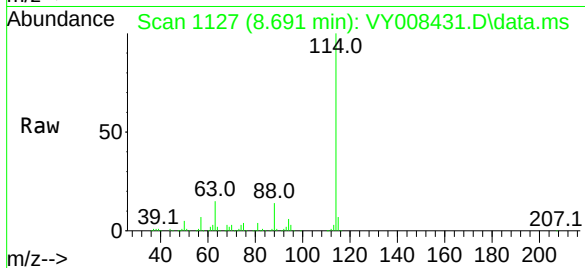
Tgt Ion:114 Resp: 276768

Ion Ratio Lower Upper

114 100

63 15.3 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.034 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008431.D

Acq: 20 Apr 2022 20:12

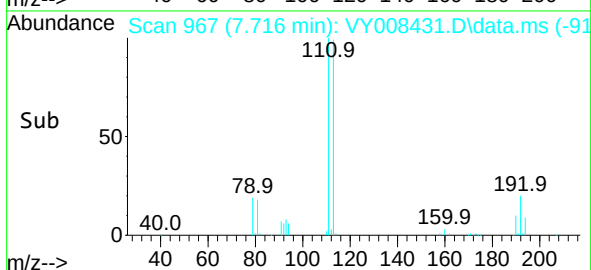
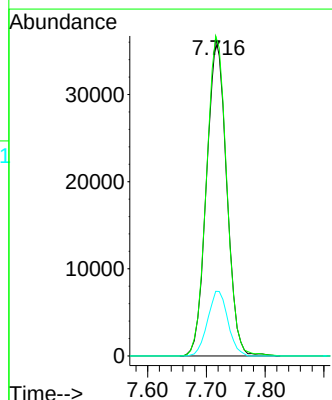
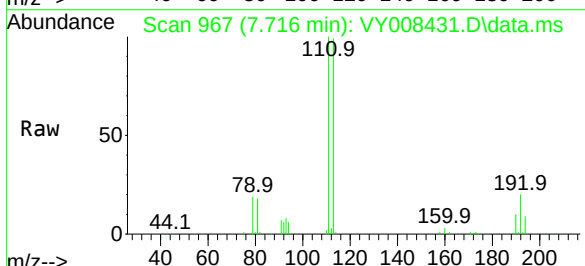
Tgt Ion:113 Resp: 86377

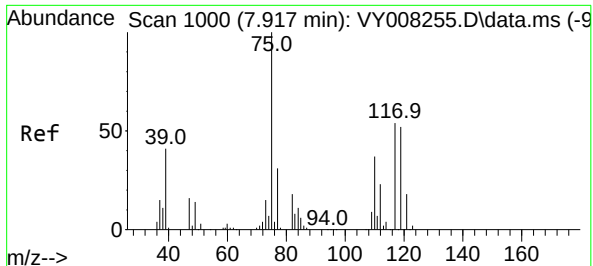
Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 20.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.422 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008431.D

Acq: 20 Apr 2022 20:12

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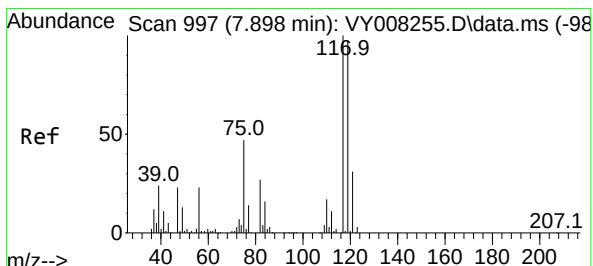
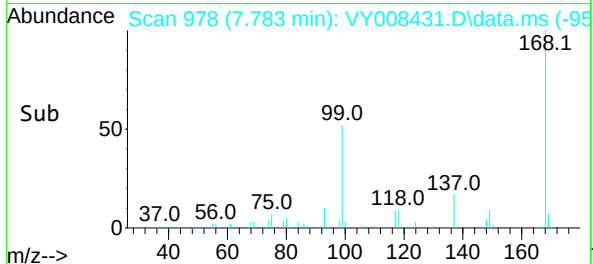
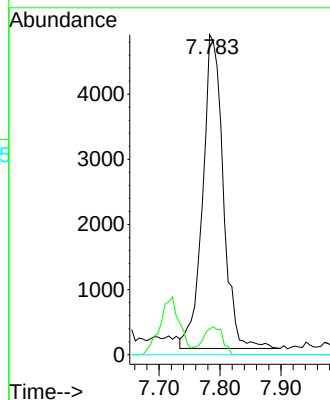
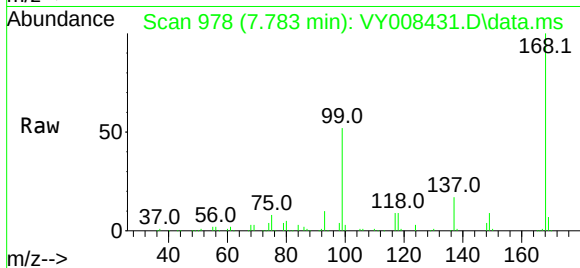
Tgt Ion: 75 Resp: 11288

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.452 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY008431.D

Acq: 20 Apr 2022 20:12

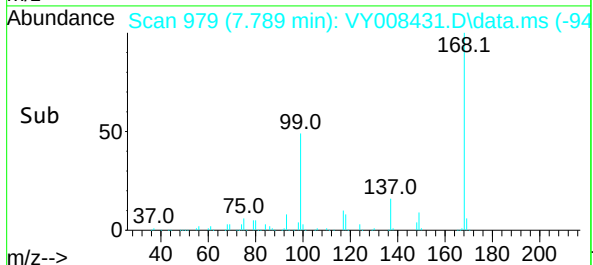
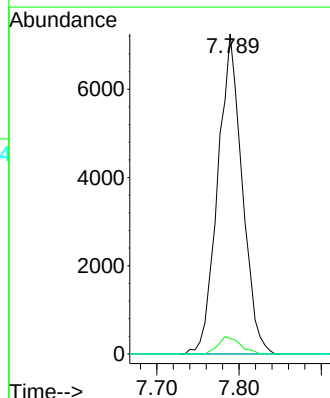
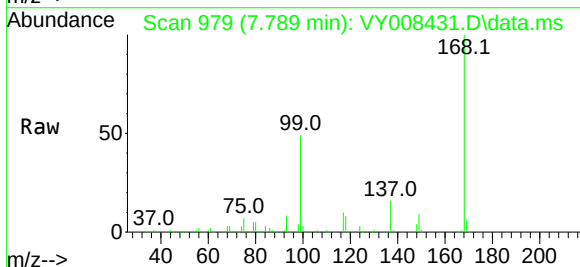
Tgt Ion: 117 Resp: 14973

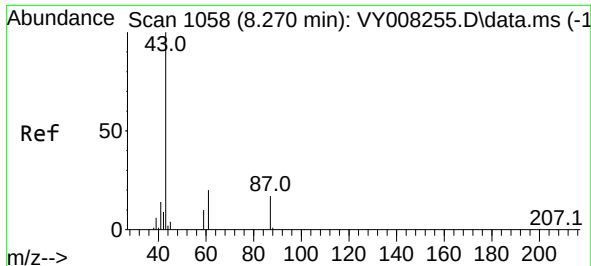
Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

121 0.0 24.8 37.2#

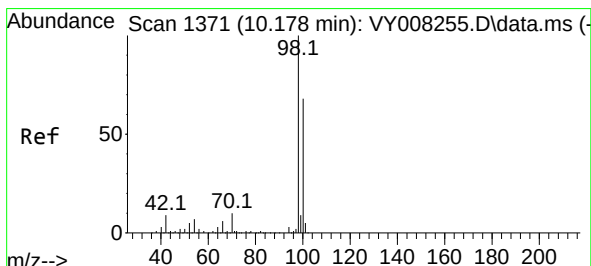
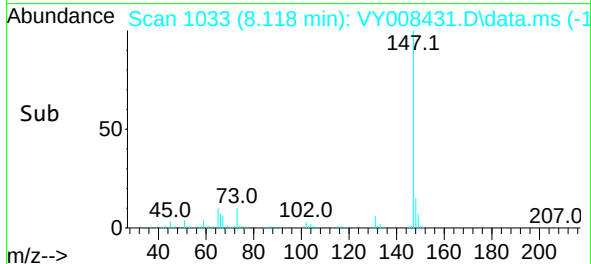
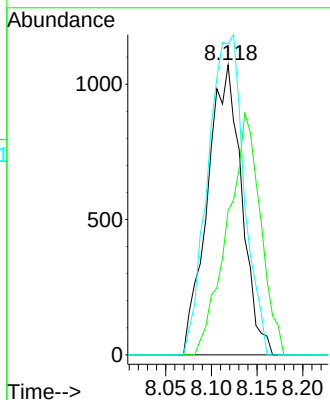
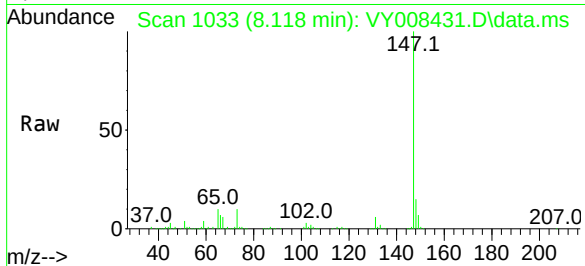




#43
Isopropyl Acetate
Concen: 1.143 ug/l
RT: 8.118 min Scan# 1058
Delta R.T. -0.152 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

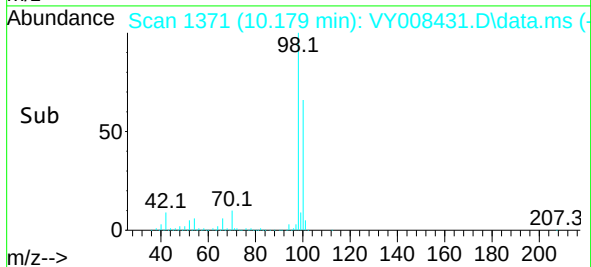
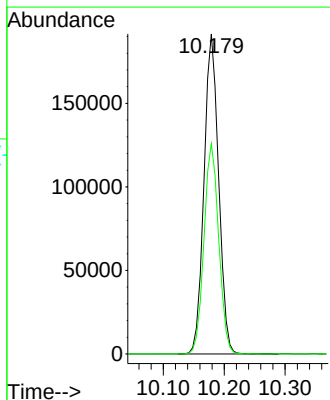
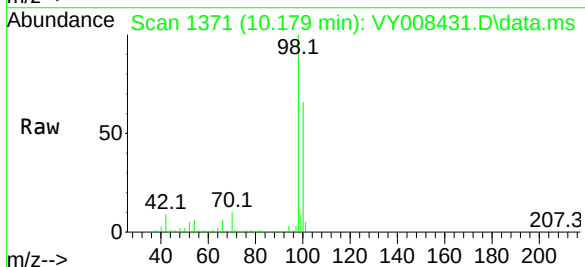
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

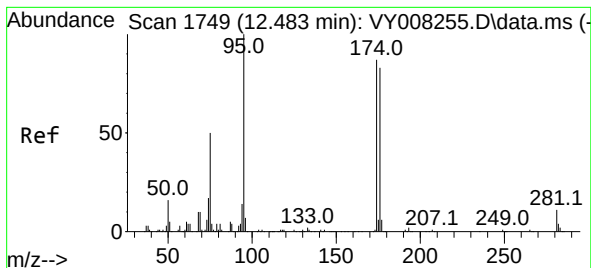
Tgt Ion: 43 Resp: 2792
Ion Ratio Lower Upper
43 100
61 80.5 20.2 30.2#
87 116.4 8.9 13.3#



#50
Toluene-d8
Concen: 58.521 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

Tgt Ion: 98 Resp: 320106
Ion Ratio Lower Upper
98 100
100 66.2 50.2 75.2

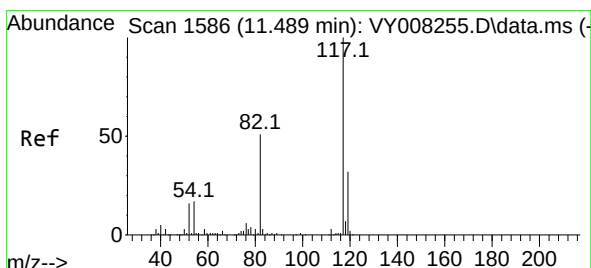
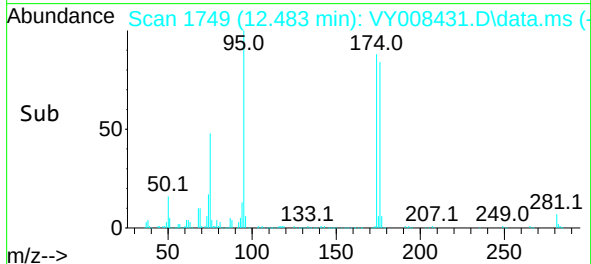
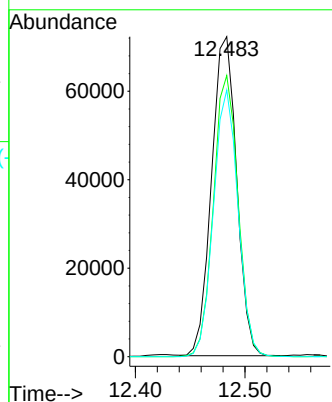
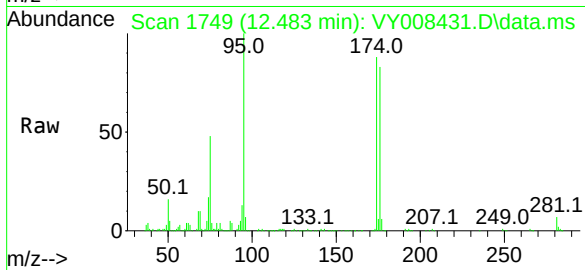




#62
4-Bromofluorobenzene
Concen: 55.800 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

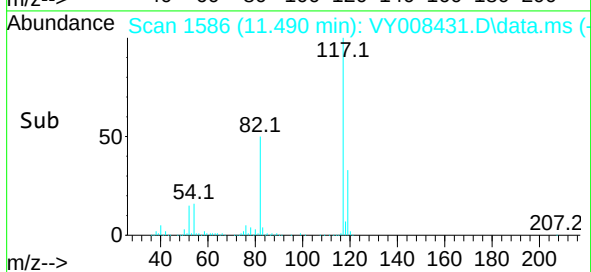
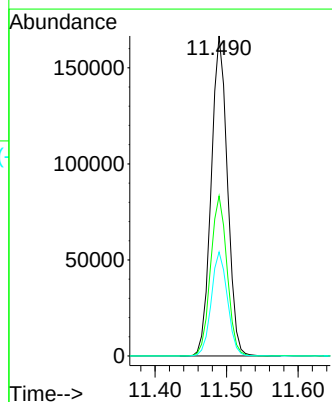
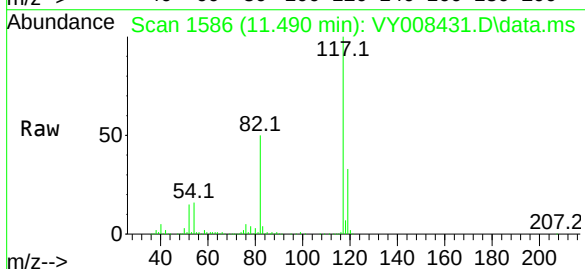
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

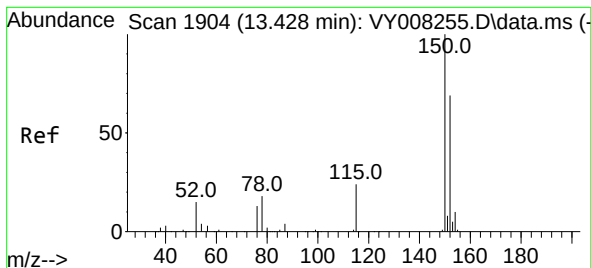
Tgt Ion: 95 Resp: 114803
Ion Ratio Lower Upper
95 100
174 86.6 0.0 177.0
176 81.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008431.D
Acq: 20 Apr 2022 20:12

Tgt Ion: 117 Resp: 262849
Ion Ratio Lower Upper
117 100
82 50.0 43.0 64.4
119 32.5 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: VY008431.D

Acq: 20 Apr 2022 20:12

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

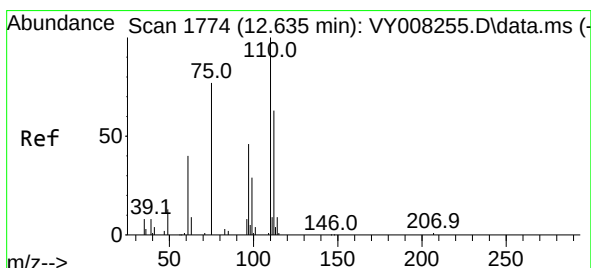
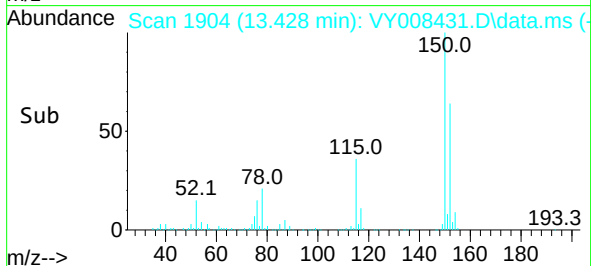
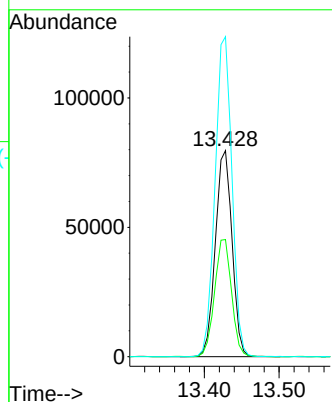
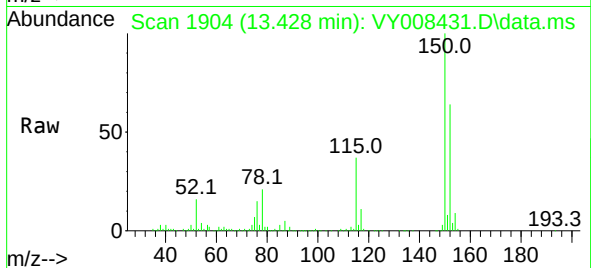
Tgt Ion:152 Resp: 123774

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.7

150 156.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 41.988 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY008431.D

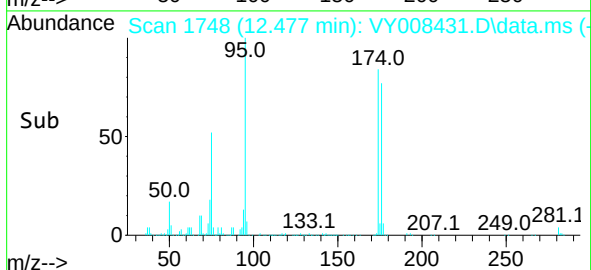
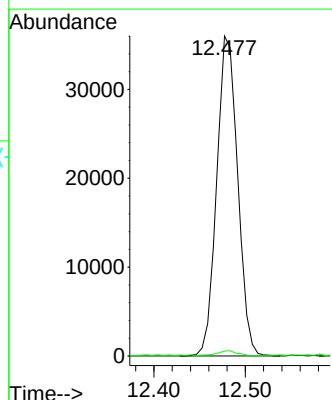
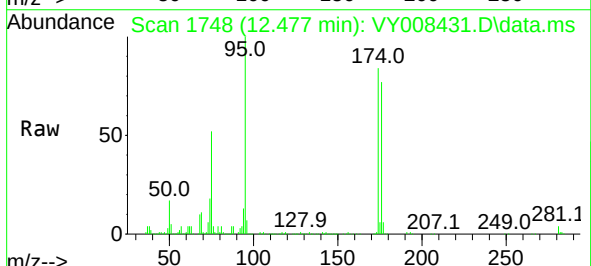
Acq: 20 Apr 2022 20:12

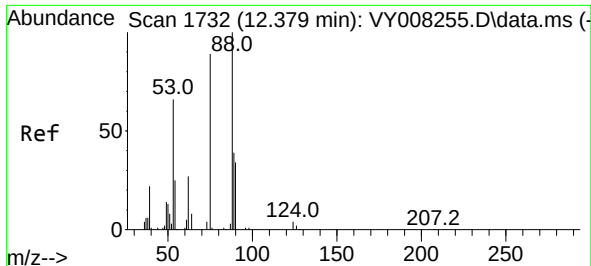
Tgt Ion: 75 Resp: 57478

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

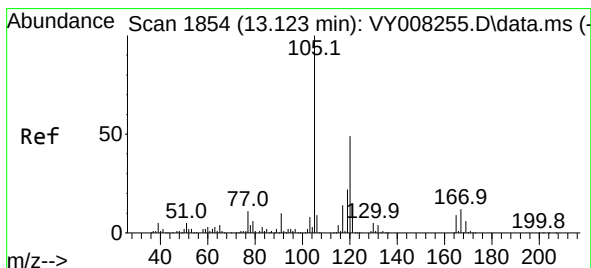
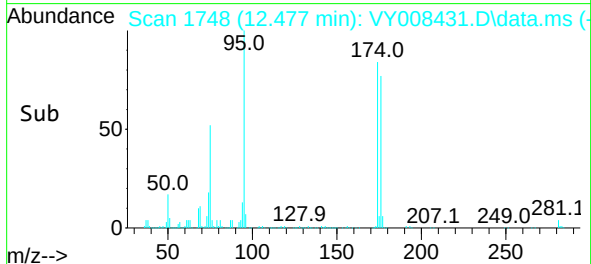
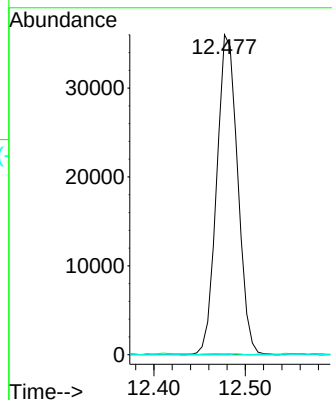
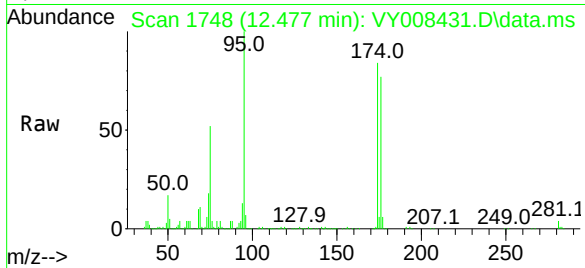




#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.947 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.098 min
 Lab File: VY008431.D
 Acq: 20 Apr 2022 20:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 57478
 Ion Ratio Lower Upper
 75 100
 53 0.5 85.3 127.9#
 89 0.1 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.483 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: VY008431.D
 Acq: 20 Apr 2022 20:12

Tgt Ion: 105 Resp: 18542
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.3 66.9

