

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041922\
 Data File : VY008407.D
 Acq On : 19 Apr 2022 19:37
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 20 06:31:57 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)

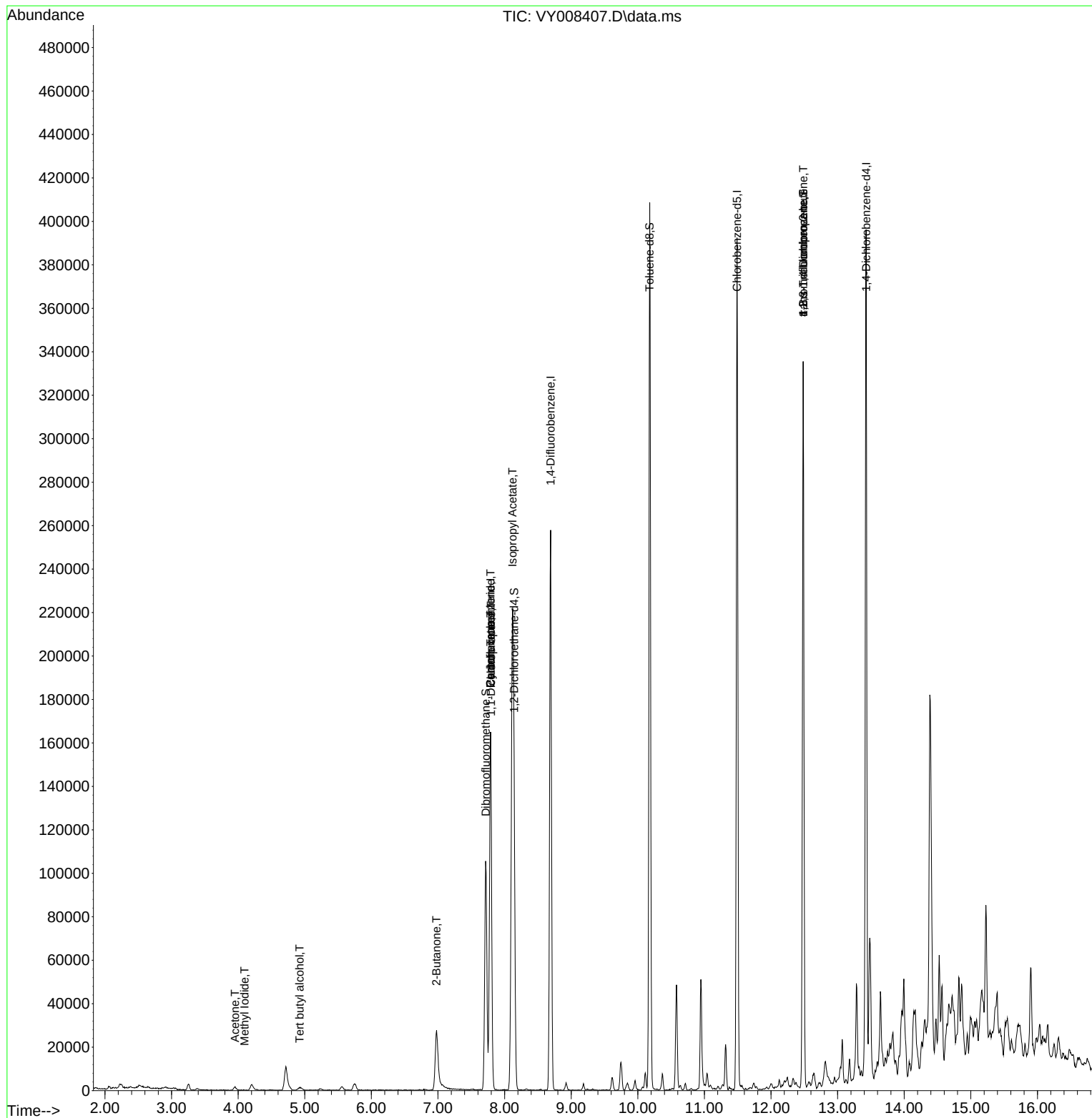
Internal Standards						
1) Pentafluorobenzene	7.789	168	129887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	232176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	217645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	68771	56.367	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.740%	
35) Dibromofluoromethane	7.716	113	74513	55.565	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.120%	
50) Toluene-d8	10.179	98	272757	59.442	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.880%	
62) 4-Bromofluorobenzene	12.483	95	93365	54.096	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	185	Below Cal	#	44
5) Bromomethane	2.656	94	142	Below Cal	#	68
10) Methyl Iodide	4.094	142	21	2.404	ug/l #	35
11) Tert butyl alcohol	4.924	59	771	5.911	ug/l #	77
16) Acetone	3.954	43	2345	7.991	ug/l #	82
18) Methyl Acetate	4.472	43	257	Below Cal	#	56
20) Methylene Chloride	4.716	84	8889	Below Cal	#	63
25) 2-Butanone	6.978	43	1704	3.714	ug/l	99
31) Cyclohexane	7.789	56	2618	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9849	4.599	ug/l #	51
38) Carbon Tetrachloride	7.789	117	12642	5.488	ug/l #	15
43) Isopropyl Acetate	8.118	43	3680	1.796	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	48583	44.814	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48583	100.269	ug/l #	7

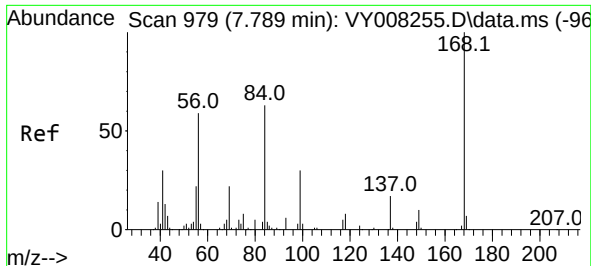
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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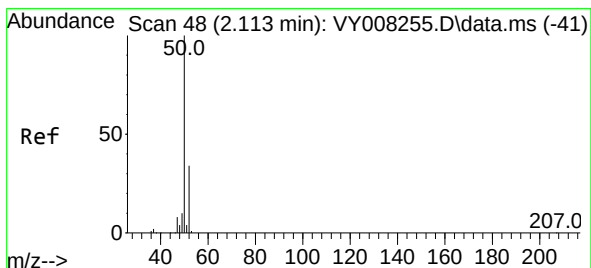
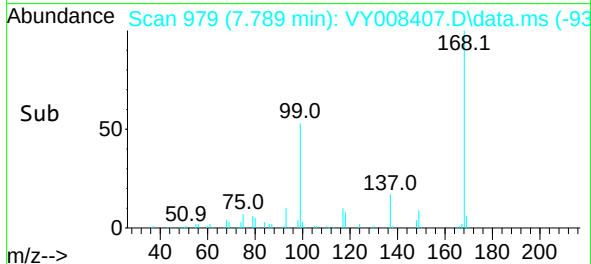
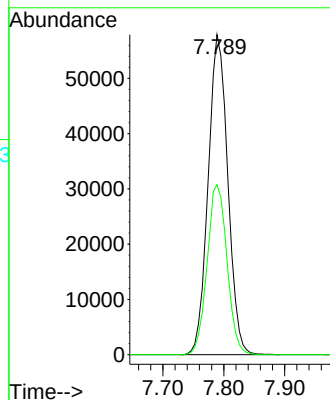
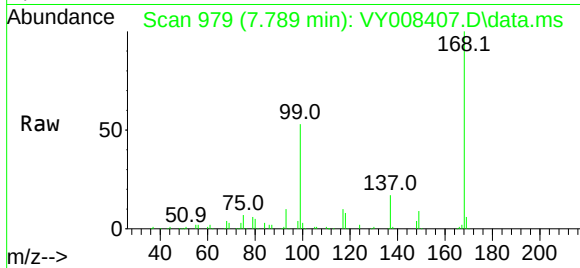




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

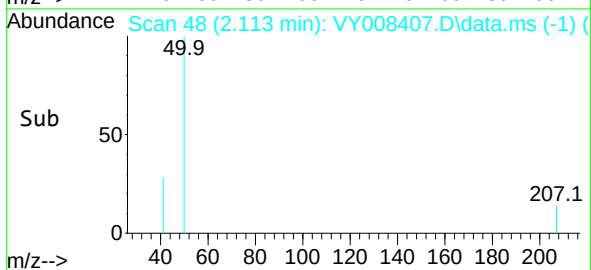
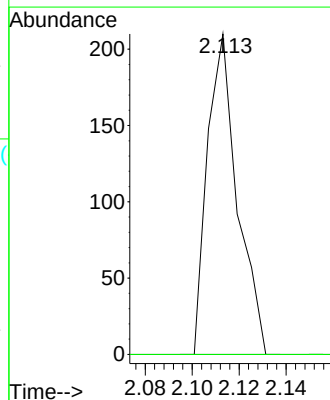
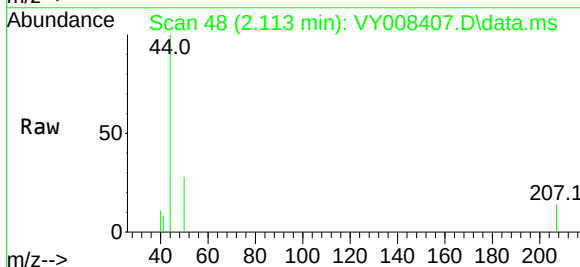
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

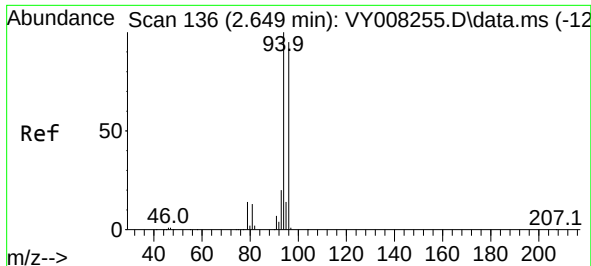
Tgt Ion:168 Resp: 129887
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

Tgt Ion: 50 Resp: 185
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

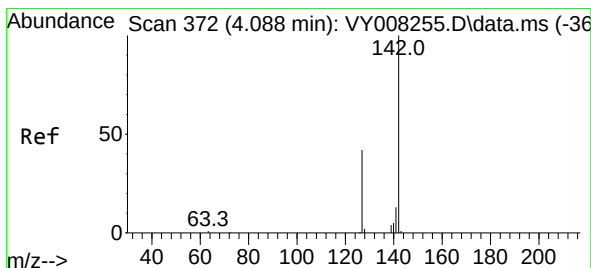
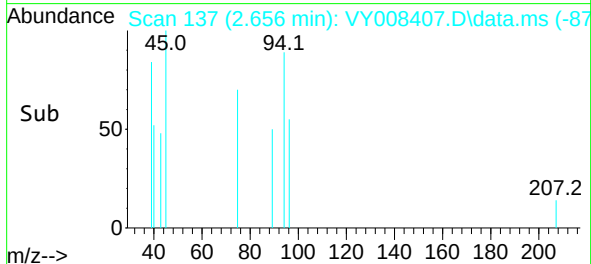
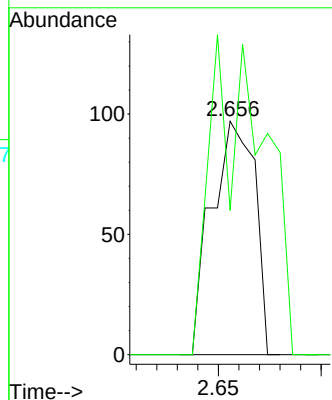
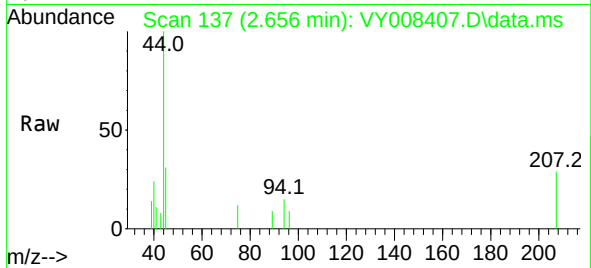




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

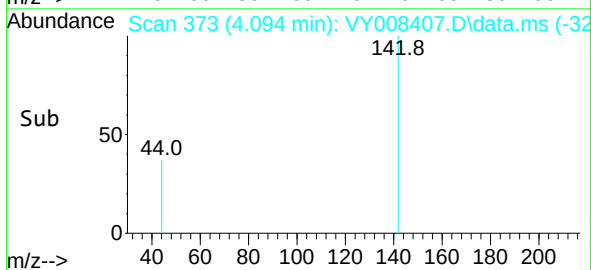
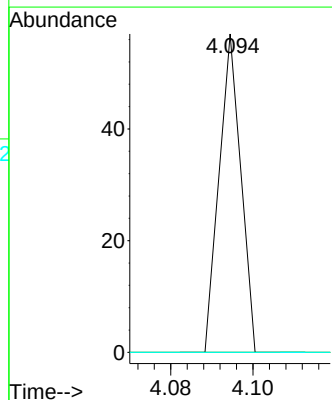
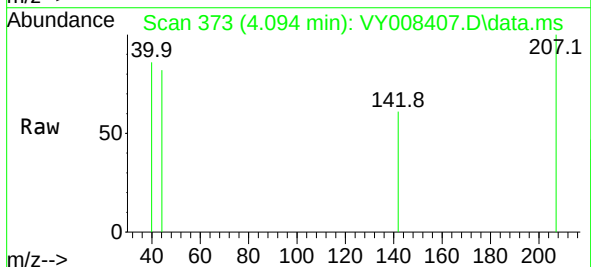
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

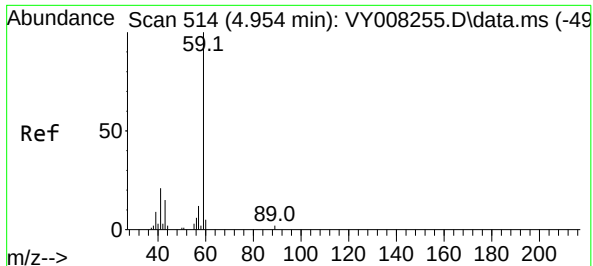
Tgt Ion: 94 Resp: 142
Ion Ratio Lower Upper
94 100
96 61.9 73.5 110.3#



#10
Methyl Iodide
Concen: 2.404 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

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: 5.911 ug/l

RT: 4.924 min Scan# 50

Delta R.T. -0.030 min

Lab File: VY008407.D

Acq: 19 Apr 2022 19:37

Instrument :

MSVOA_Y

ClientSampleId :

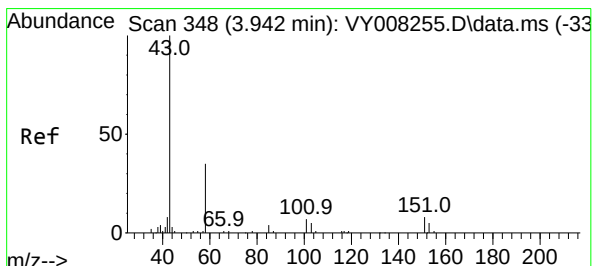
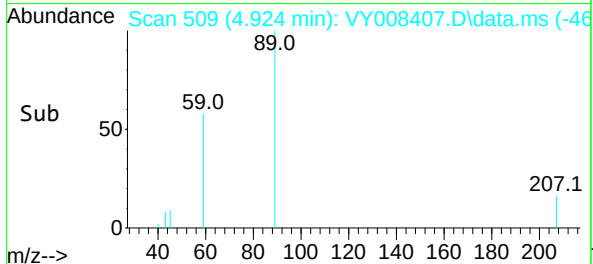
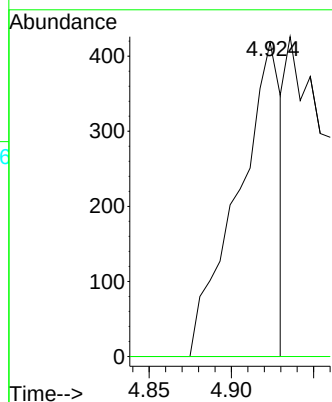
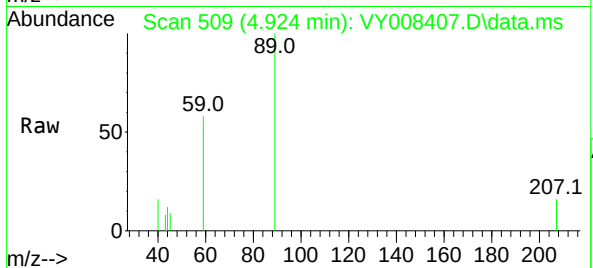
VIBLK

Tgt Ion: 59 Resp: 771

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 7.991 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY008407.D

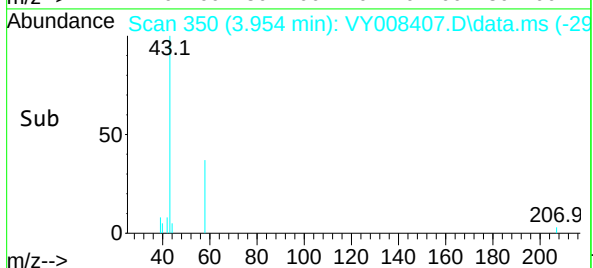
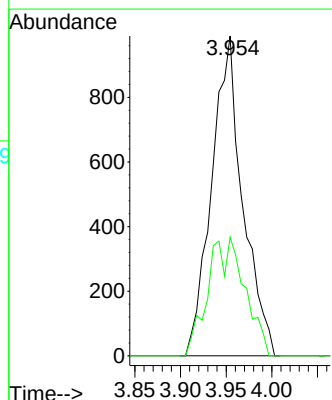
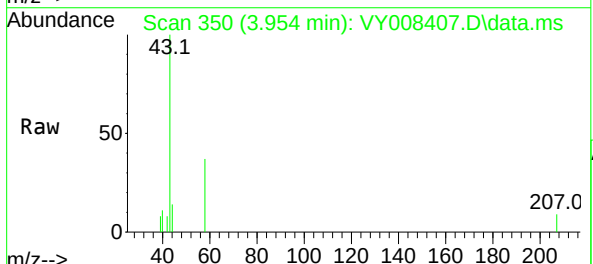
Acq: 19 Apr 2022 19:37

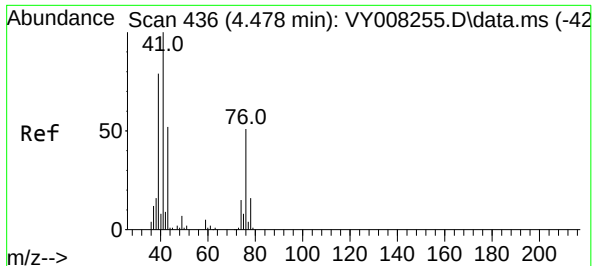
Tgt Ion: 43 Resp: 2345

Ion Ratio Lower Upper

43 100

58 37.1 22.0 33.0#

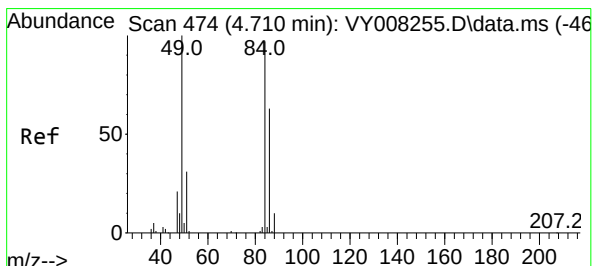
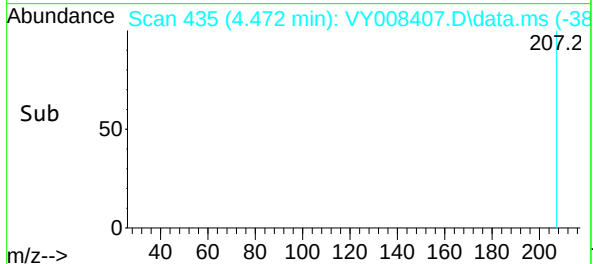
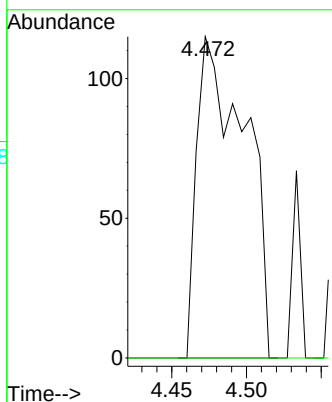
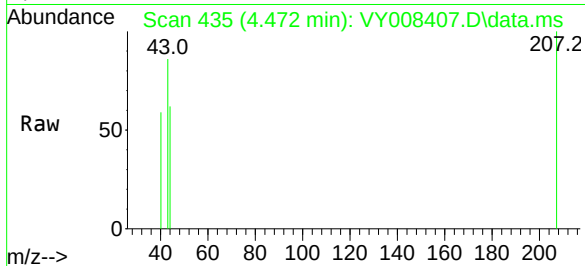




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

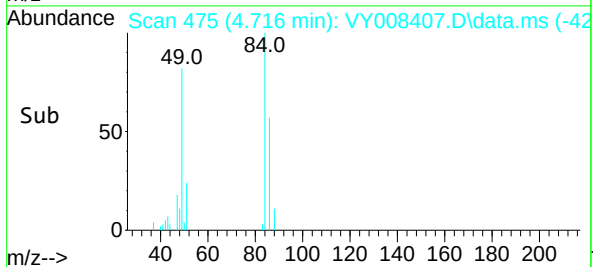
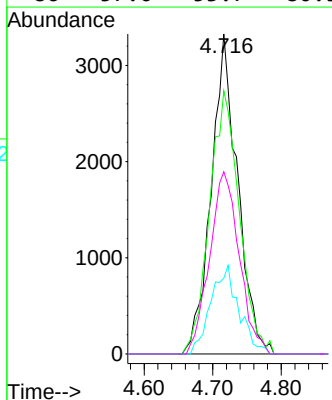
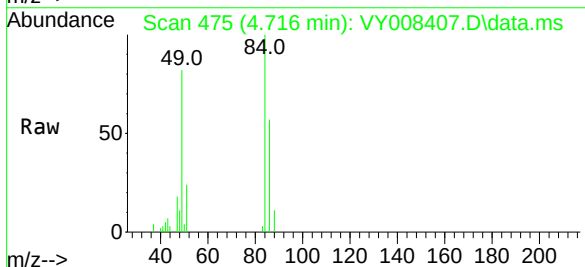
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

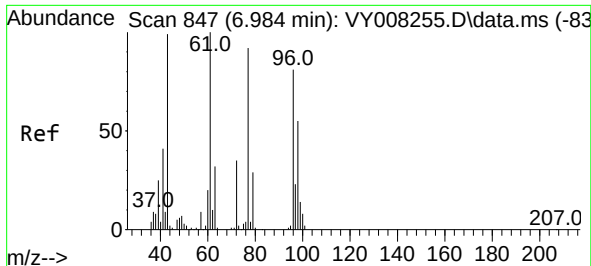
Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

Tgt Ion: 84 Resp: 8889
Ion Ratio Lower Upper
84 100
49 82.3 114.4 171.6#
51 23.6 35.3 52.9#
86 57.0 53.7 80.5





#25

2-Butanone

Concen: 3.714 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY008407.D

Acq: 19 Apr 2022 19:37

Instrument :

MSVOA_Y

ClientSampleId :

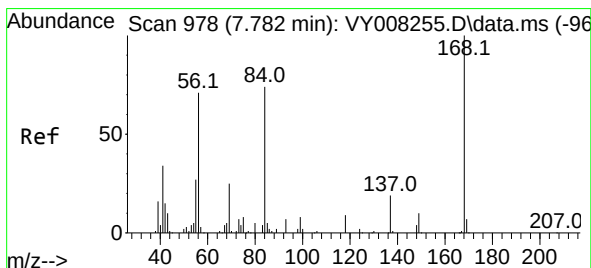
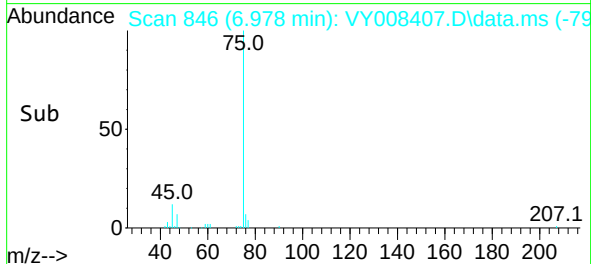
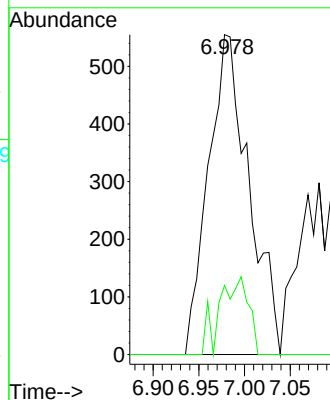
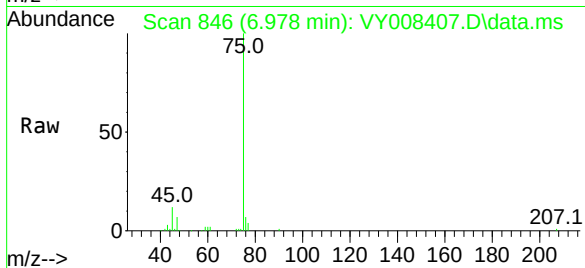
VIBLK

Tgt Ion: 43 Resp: 1704

Ion Ratio Lower Upper

43 100

72 21.6 17.7 26.5



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.007 min

Lab File: VY008407.D

Acq: 19 Apr 2022 19:37

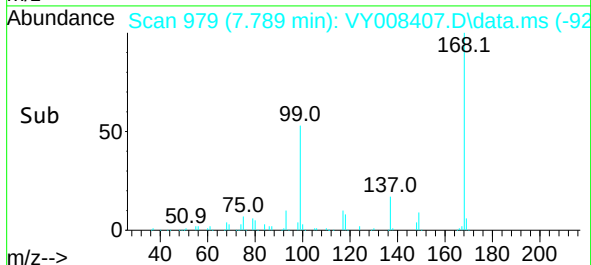
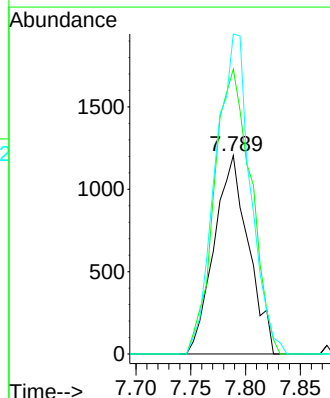
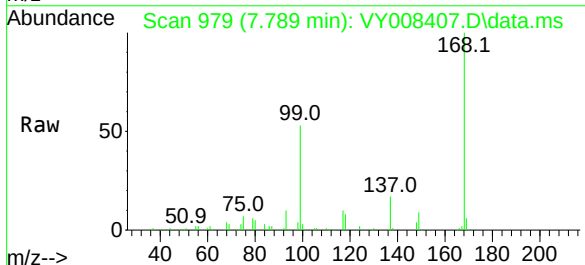
Tgt Ion: 56 Resp: 2618

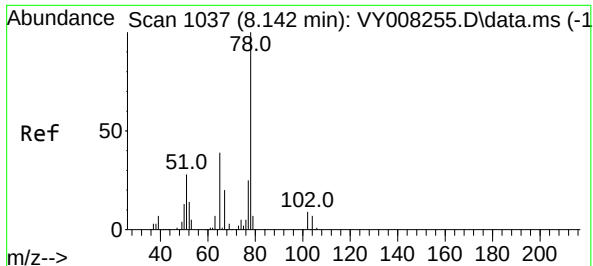
Ion Ratio Lower Upper

56 100

69 143.5 26.7 40.1#

84 161.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.367 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008407.D

Acq: 19 Apr 2022 19:37

Instrument :

MSVOA_Y

ClientSampleId :

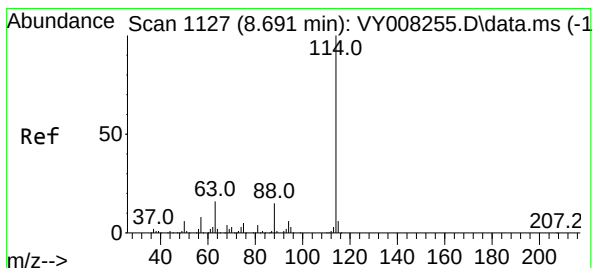
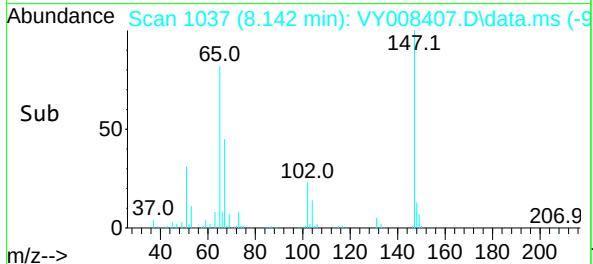
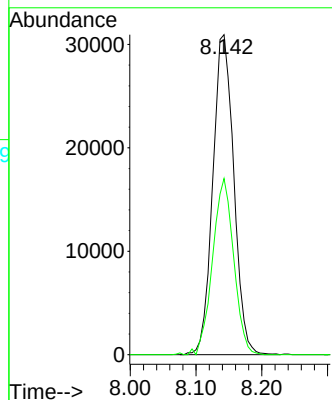
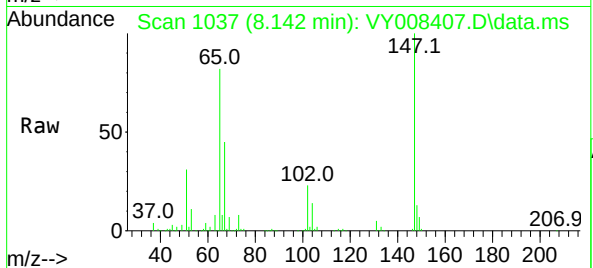
VIBLK

Tgt Ion: 65 Resp: 68771

Ion Ratio Lower Upper

65 100

67 55.5 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: VY008407.D

Acq: 19 Apr 2022 19:37

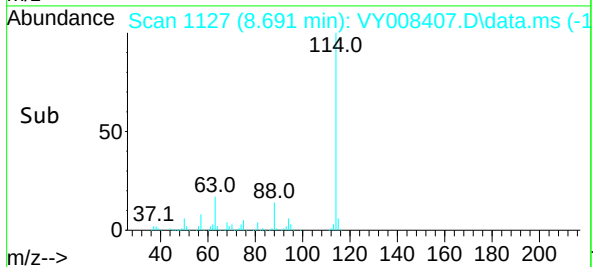
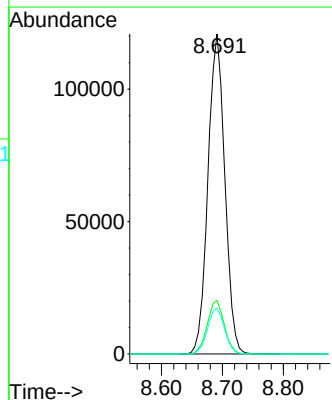
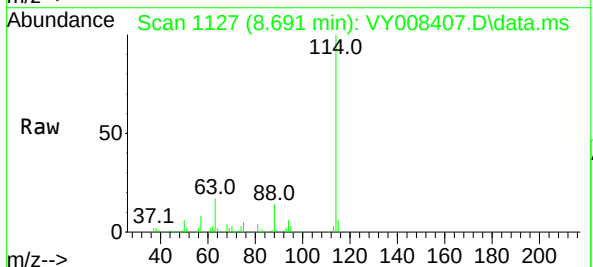
Tgt Ion: 114 Resp: 232176

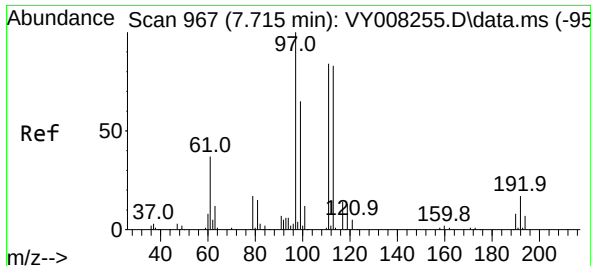
Ion Ratio Lower Upper

114 100

63 16.7 0.0 43.2

88 14.3 0.0 31.8

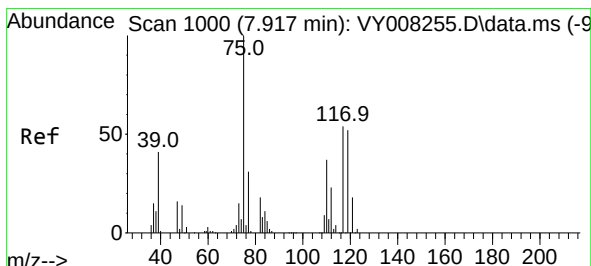
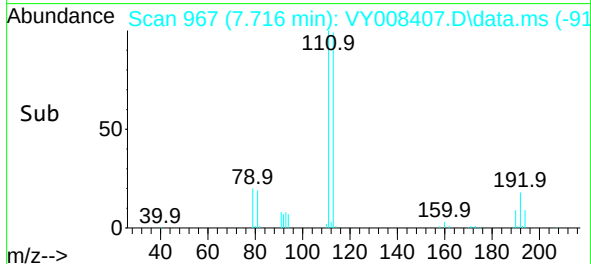
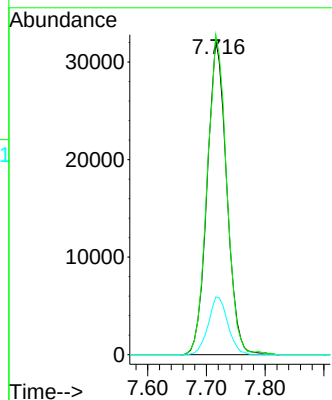
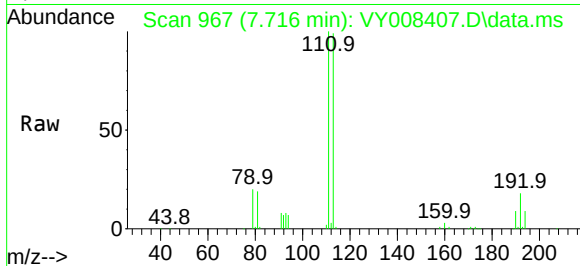




#35
Dibromofluoromethane
Concen: 55.565 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

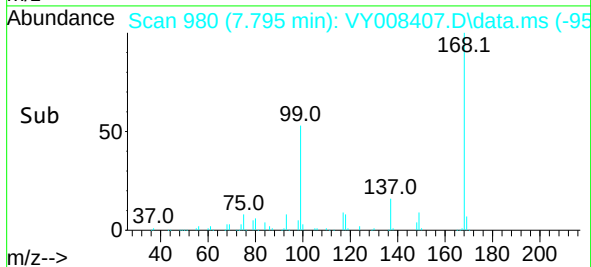
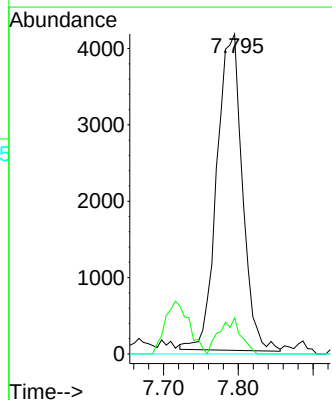
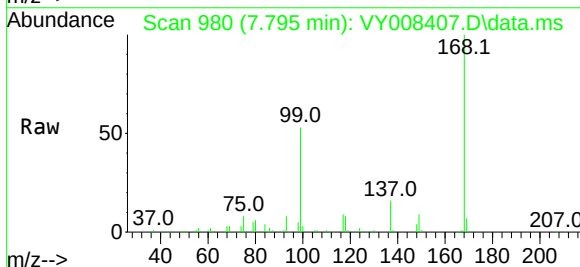
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

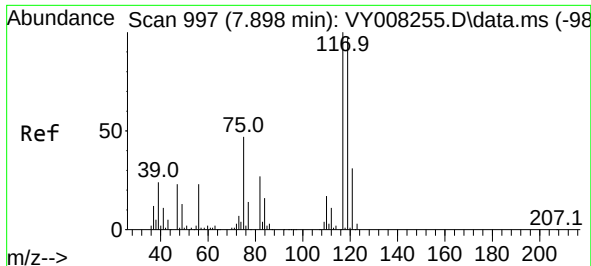
Tgt Ion:113 Resp: 74513
Ion Ratio Lower Upper
113 100
111 101.3 82.6 124.0
192 18.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

Tgt Ion: 75 Resp: 9849
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#

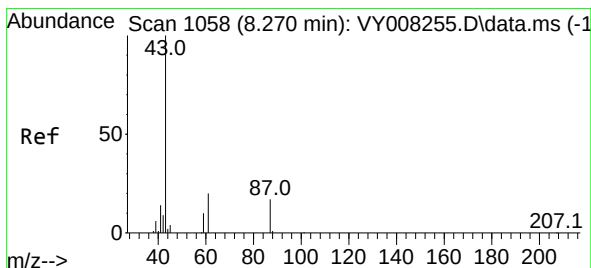
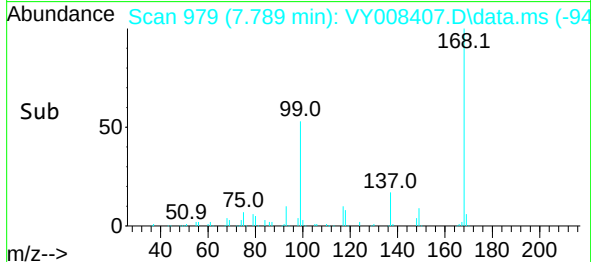
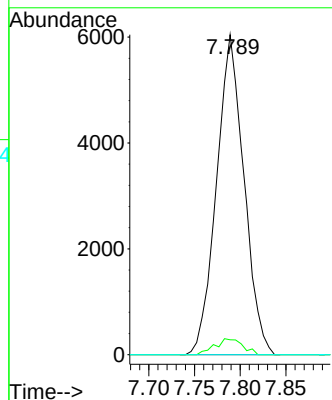
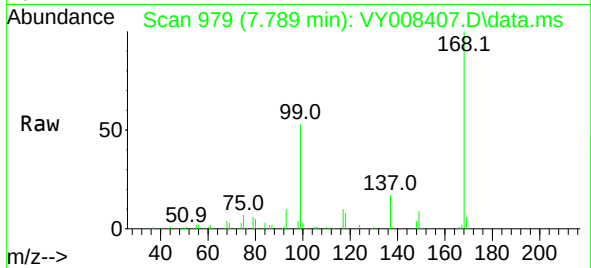




#38
Carbon Tetrachloride
Concen: 5.488 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

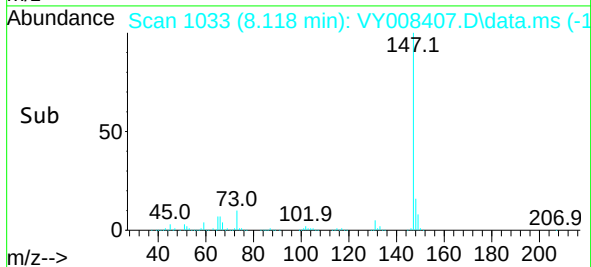
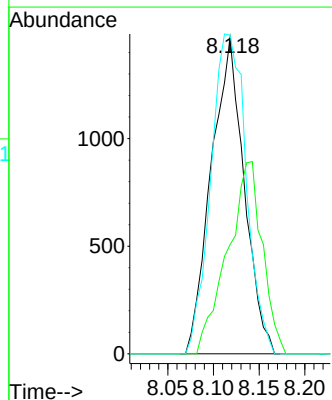
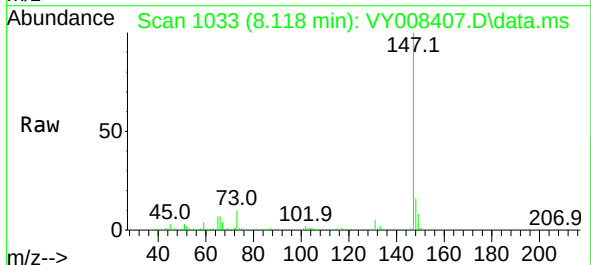
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

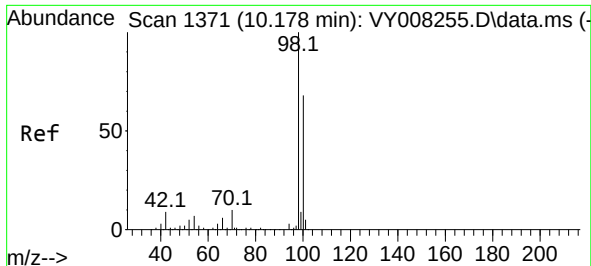
Tgt Ion:117 Resp: 12642
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 1.796 ug/l
RT: 8.118 min Scan# 1033
Delta R.T. -0.152 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

Tgt Ion: 43 Resp: 3680
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 108.3 8.9 13.3#

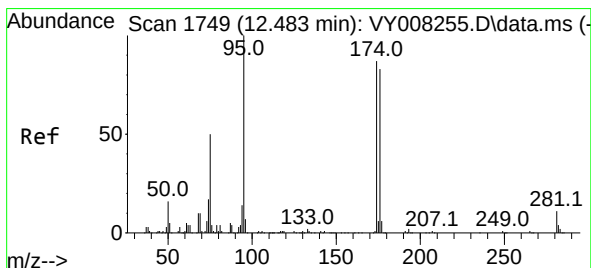
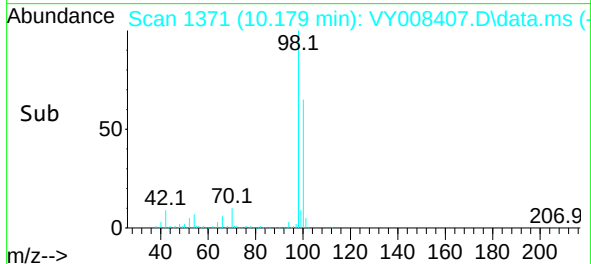
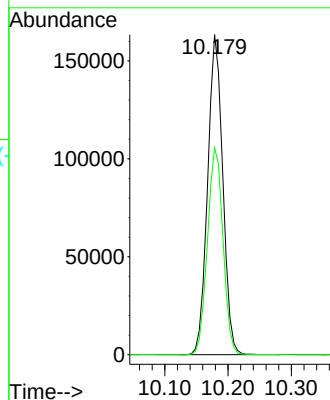
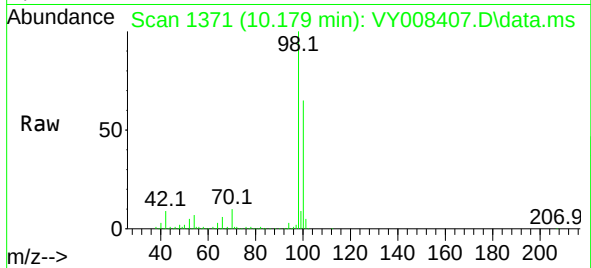




#50
Toluene-d8
Concen: 59.442 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

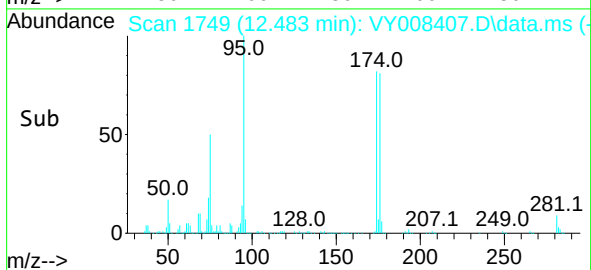
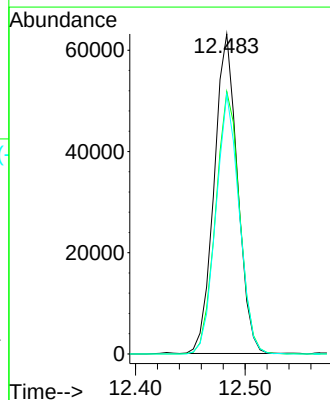
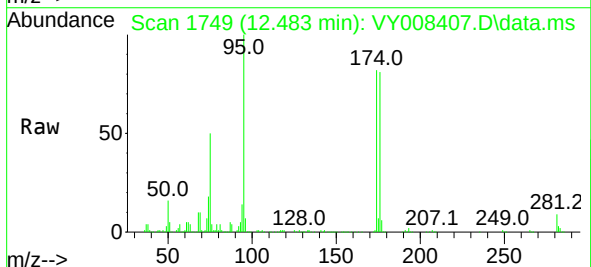
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

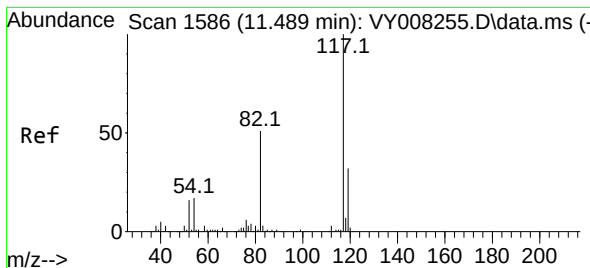
Tgt Ion: 98 Resp: 272757
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 54.096 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

Tgt Ion: 95 Resp: 93365
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 81.2 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008407.D

Acq: 19 Apr 2022 19:37

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

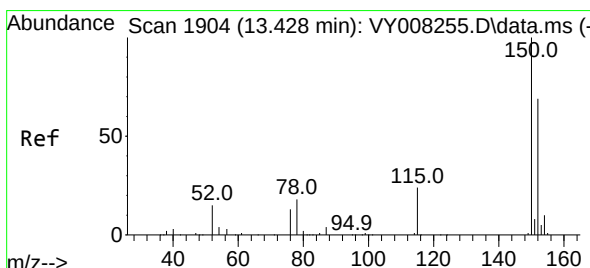
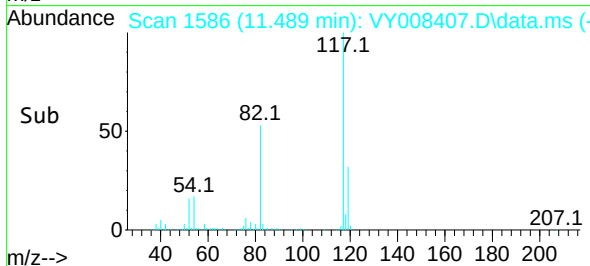
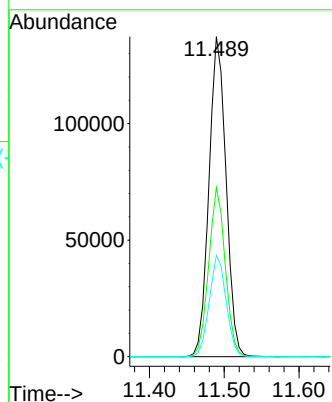
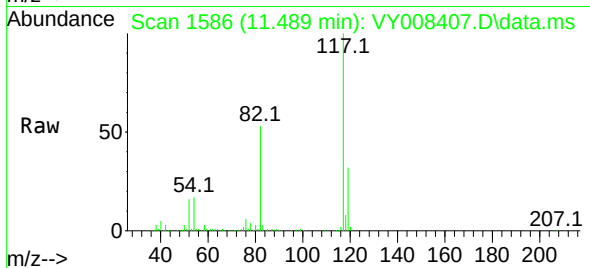
Tgt Ion:117 Resp: 217645

Ion Ratio Lower Upper

117 100

82 52.8 43.0 64.4

119 31.7 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: VY008407.D

Acq: 19 Apr 2022 19:37

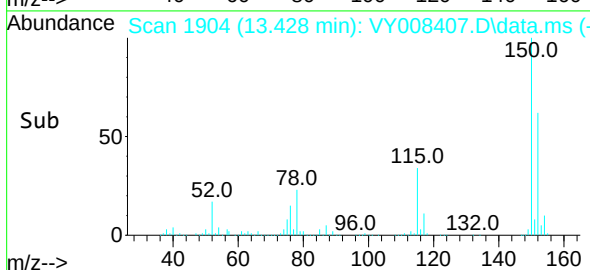
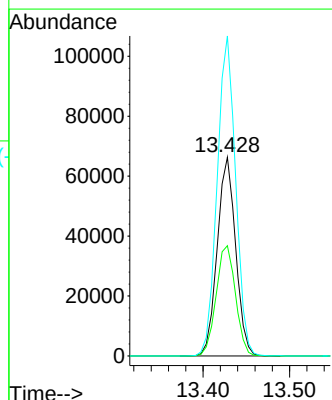
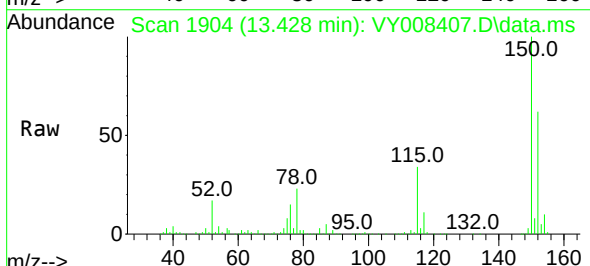
Tgt Ion:152 Resp: 98023

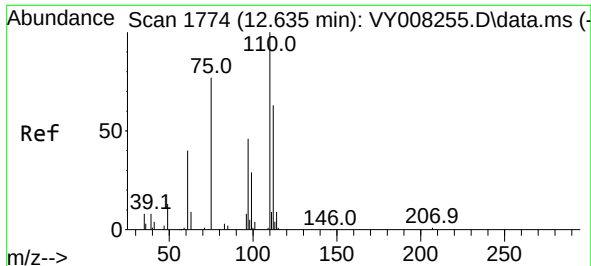
Ion Ratio Lower Upper

152 100

115 58.4 28.2 84.7

150 161.4 0.0 347.6

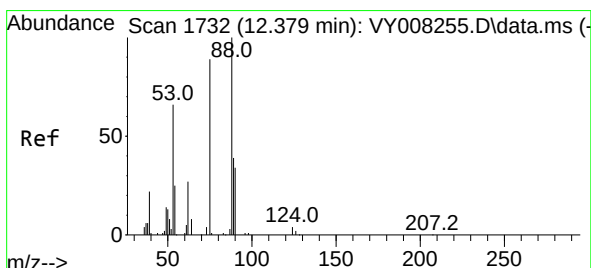
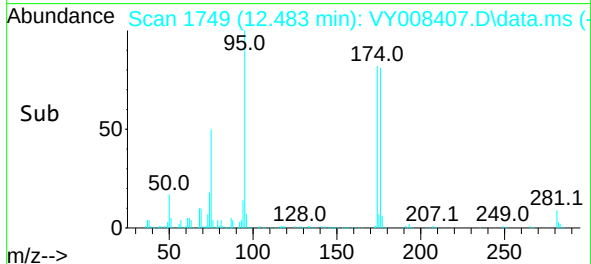
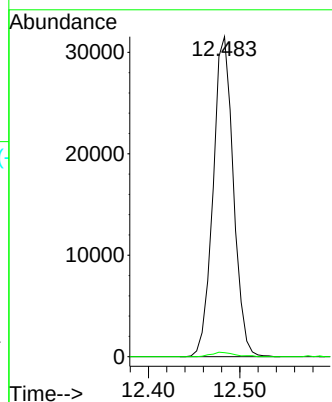
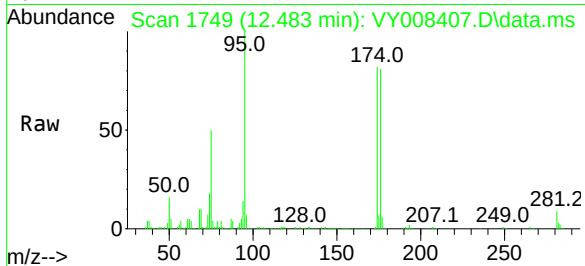




#76
1,2,3-Trichloropropane
Concen: 44.814 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 48583
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.269 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008407.D
Acq: 19 Apr 2022 19:37

Tgt Ion: 75 Resp: 48583
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

