

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013265.D
 Acq On : 12 Apr 2023 13:05
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 13 05:39:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:34:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	185592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	291849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135663	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128408	57.572	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.140%
35) Dibromofluoromethane	7.716	113	108051	53.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.860%
50) Toluene-d8	10.179	98	379516	50.423	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.840%
62) 4-Bromofluorobenzene	12.477	95	122264	49.995	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.000%

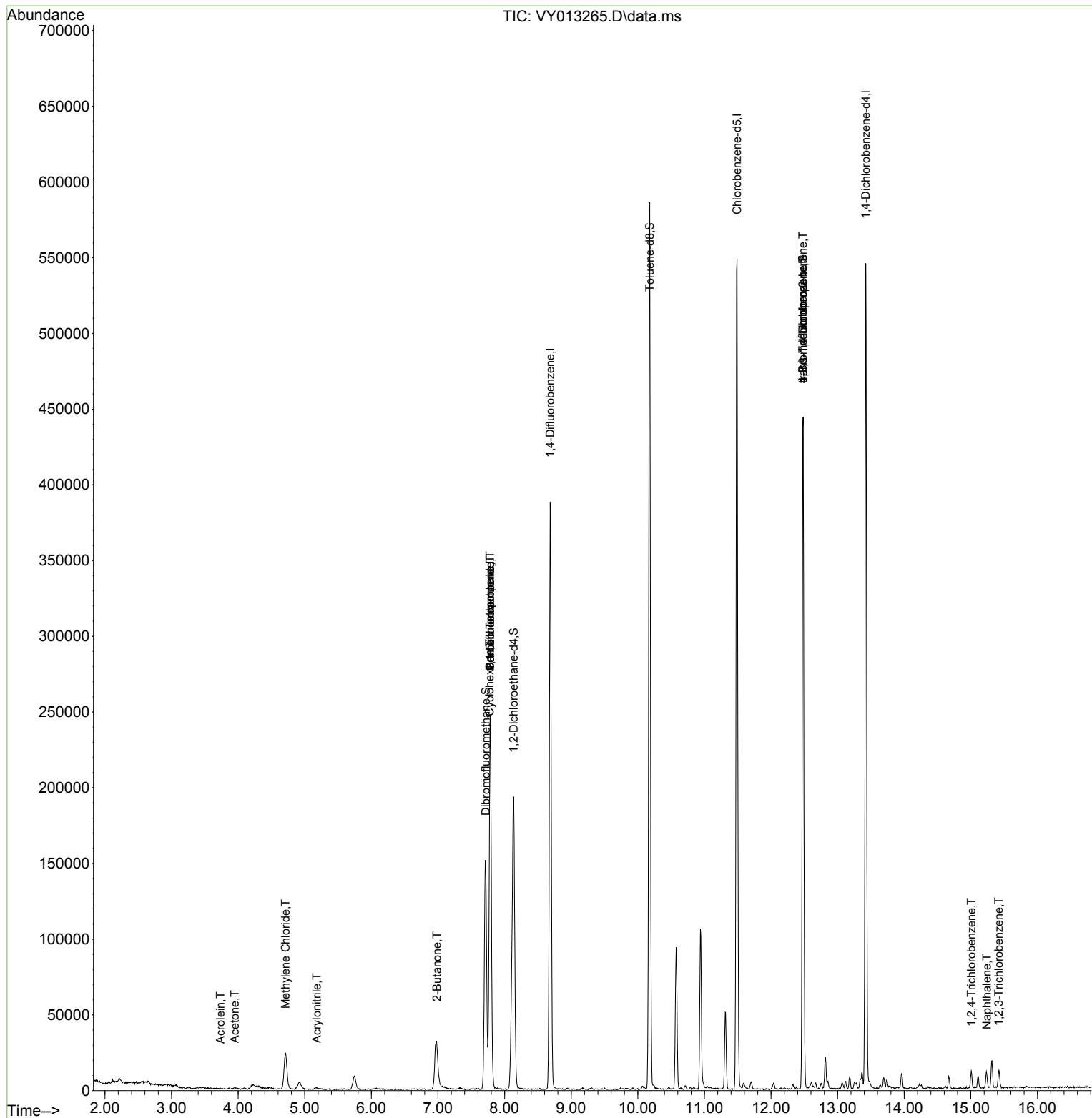
Target Compounds				Qvalue		
11) Tert butyl alcohol	4.924	59	4982	Below Cal	#	74
13) Acrolein	3.735	56	448	1.635	ug/l #	68
15) Acrylonitrile	5.180	53	887	1.376	ug/l #	94
16) Acetone	3.948	43	1240	1.617	ug/l #	86
20) Methylene Chloride	4.710	84	17770	4.921	ug/l	95
25) 2-Butanone	6.984	43	2709	2.759	ug/l	95
31) Cyclohexane	7.777	56	4677	1.387	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15228	4.971	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18871	5.571	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	67793	39.966	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67793	83.234	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.007	180	3395	1.399	ug/l	90
95) Naphthalene	15.239	128	8487	4.539	ug/l	96
96) 1,2,3-Trichlorobenzene	15.422	180	3446	1.559	ug/l	97

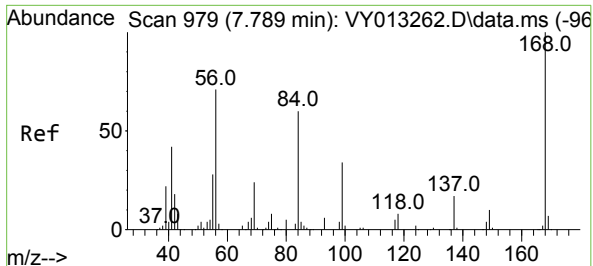
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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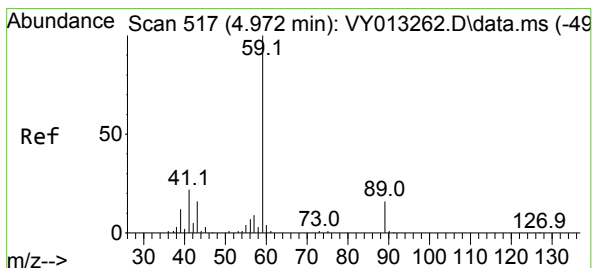
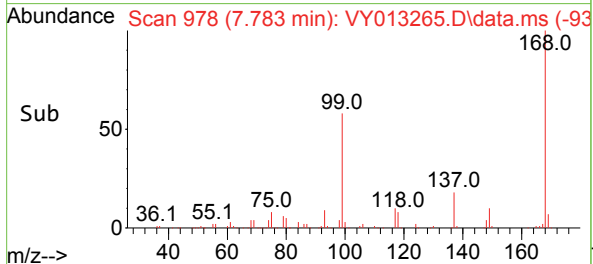
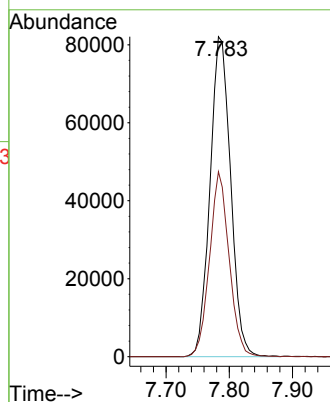
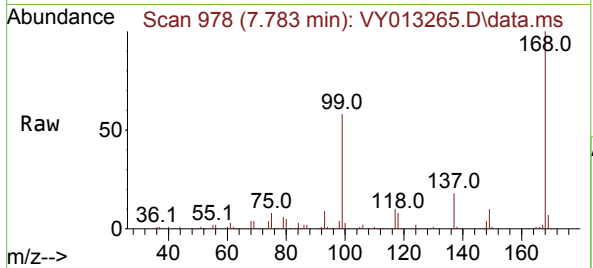




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

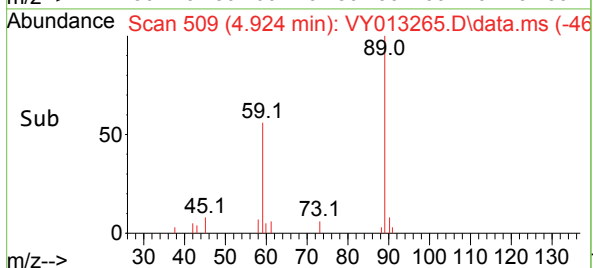
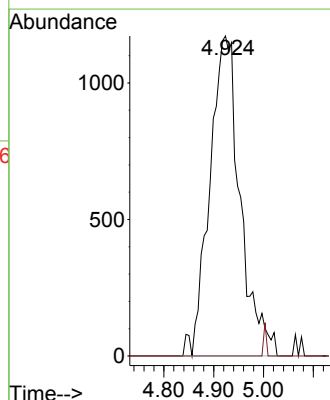
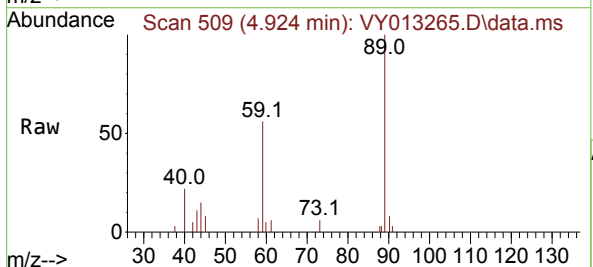
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

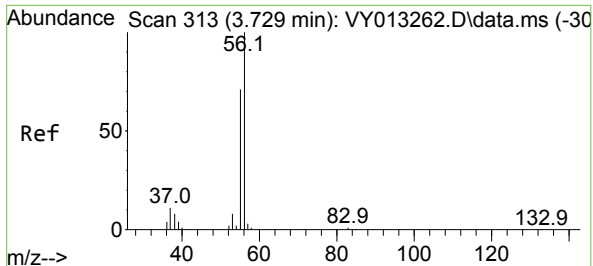
Tgt Ion:168 Resp: 185592
Ion Ratio Lower Upper
168 100
99 57.8 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.048 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

Tgt Ion: 59 Resp: 4982
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#13

Acrolein

Concen: 1.635 ug/l

RT: 3.735 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY013265.D

Acq: 12 Apr 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

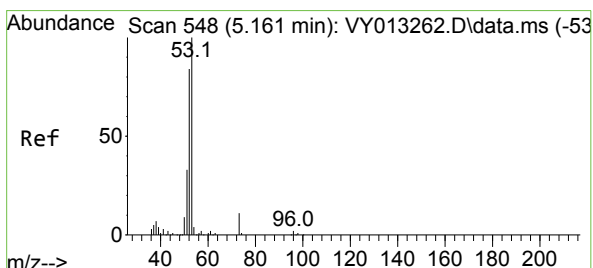
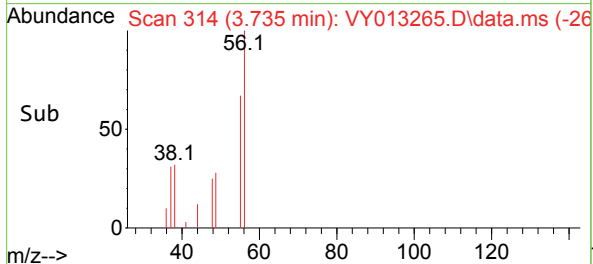
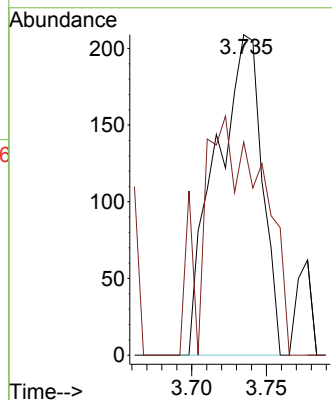
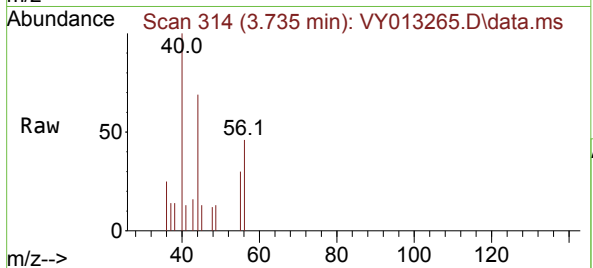
VIBLK

Tgt Ion: 56 Resp: 448

Ion Ratio Lower Upper

56 100

55 97.5 56.8 85.2#



#15

Acrylonitrile

Concen: 1.376 ug/l

RT: 5.180 min Scan# 551

Delta R.T. 0.018 min

Lab File: VY013265.D

Acq: 12 Apr 2023 13:05

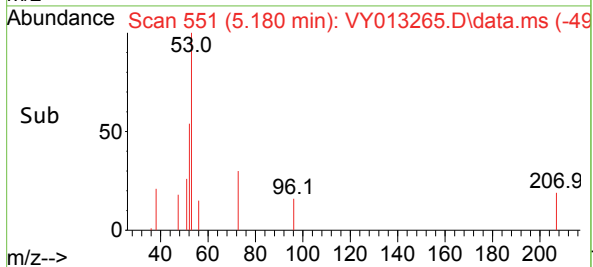
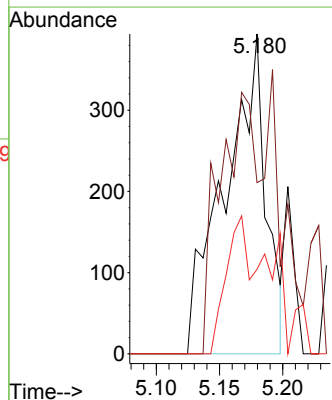
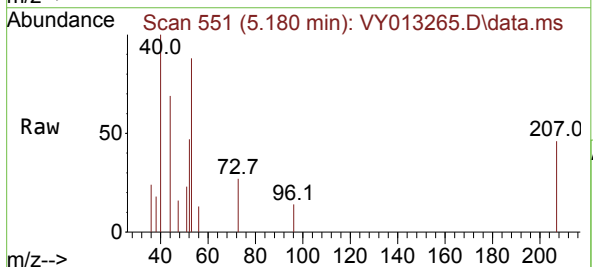
Tgt Ion: 53 Resp: 887

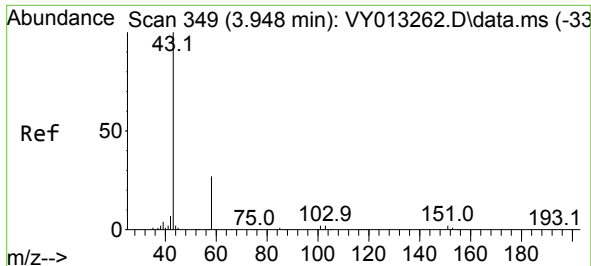
Ion Ratio Lower Upper

53 100

52 80.8 66.3 99.5

51 27.5 28.8 43.2#





#16

Acetone

Concen: 1.617 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY013265.D

Acq: 12 Apr 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

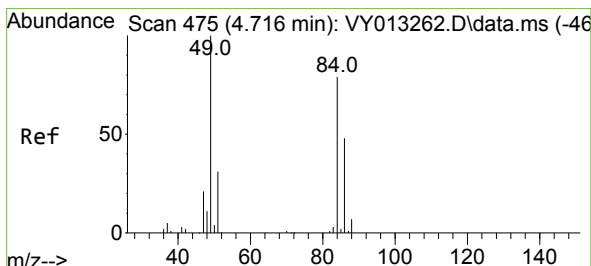
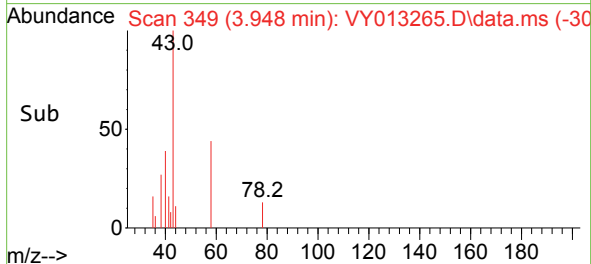
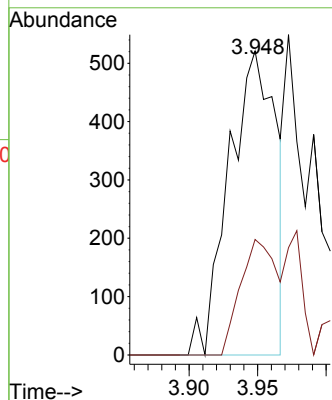
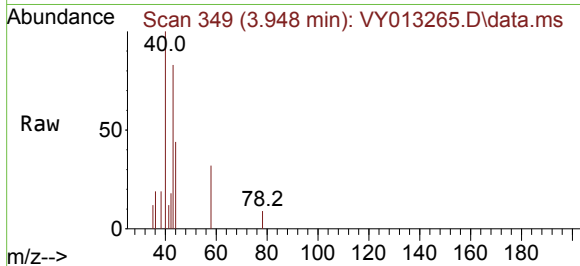
VIBLK

Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

58 38.0 24.2 36.2#



#20

Methylene Chloride

Concen: 4.921 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013265.D

Acq: 12 Apr 2023 13:05

Tgt Ion: 84 Resp: 17770

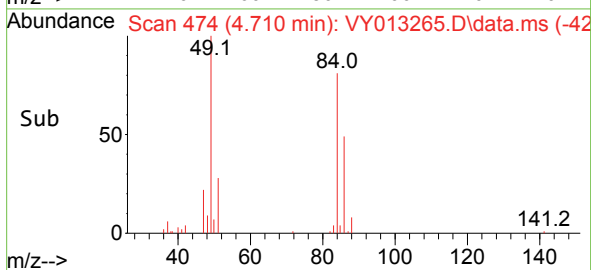
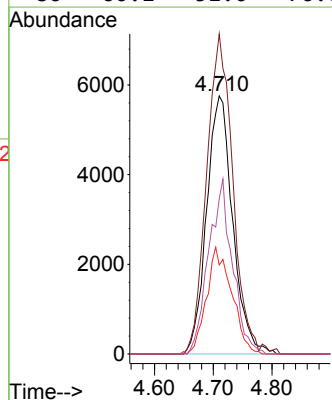
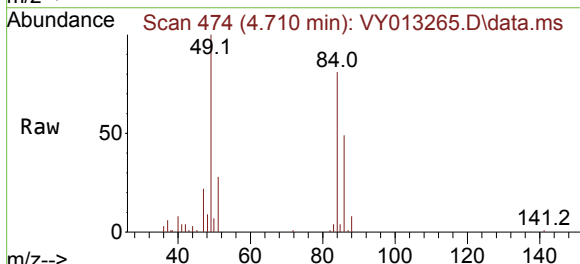
Ion Ratio Lower Upper

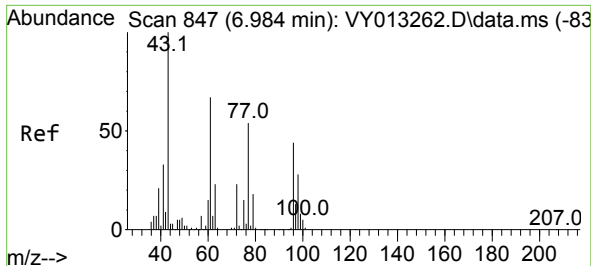
84 100

49 124.0 102.6 154.0

51 34.5 31.9 47.9

86 60.1 51.0 76.6

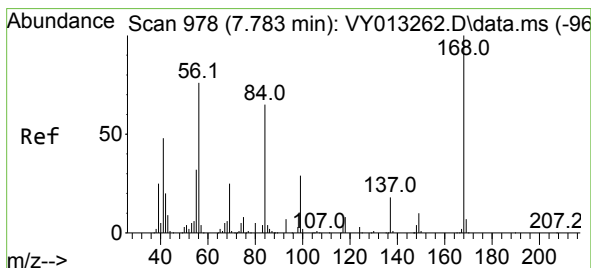
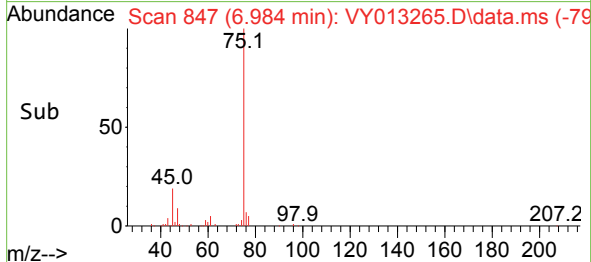
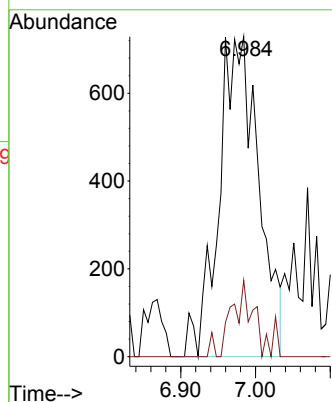
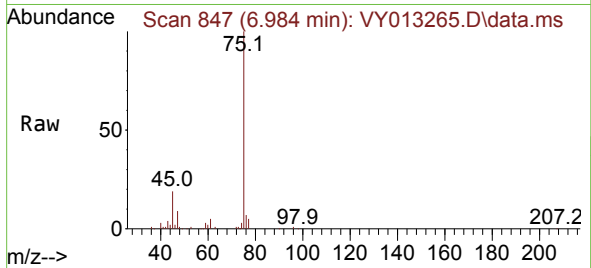




#25
2-Butanone
Concen: 2.759 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

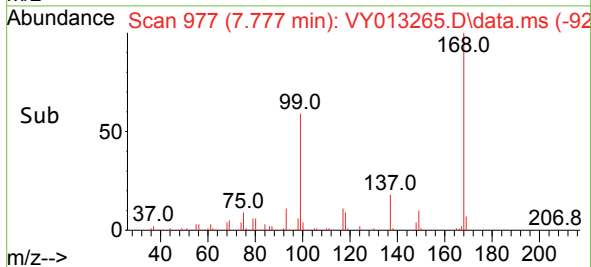
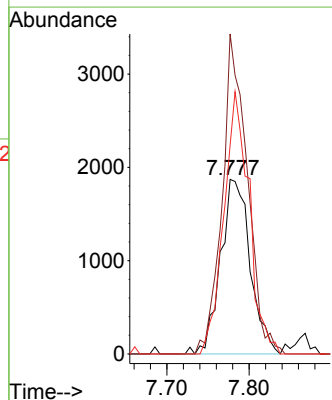
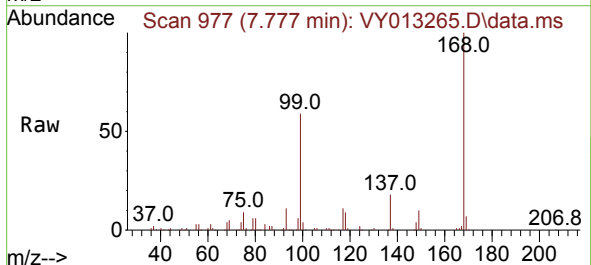
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

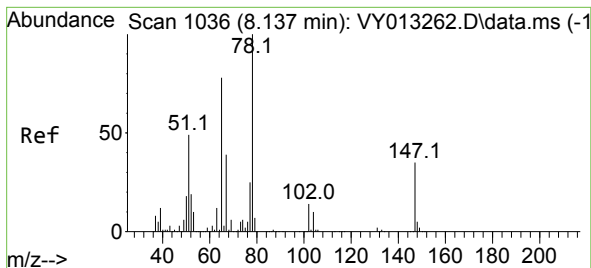
Tgt Ion: 43 Resp: 2709
Ion Ratio Lower Upper
43 100
72 23.9 21.0 31.4



#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

Tgt Ion: 56 Resp: 4677
Ion Ratio Lower Upper
56 100
69 183.3 25.7 38.5#
84 119.6 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 57.572 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY013265.D

Acq: 12 Apr 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

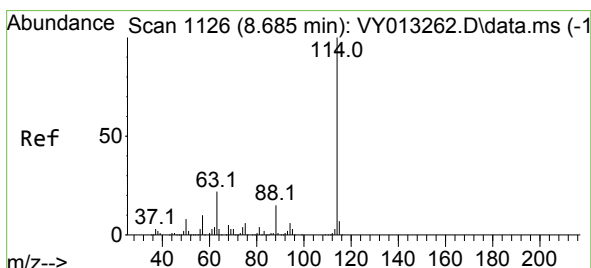
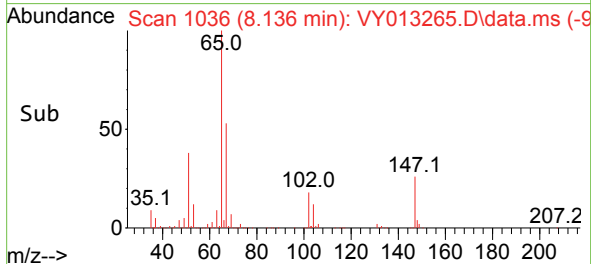
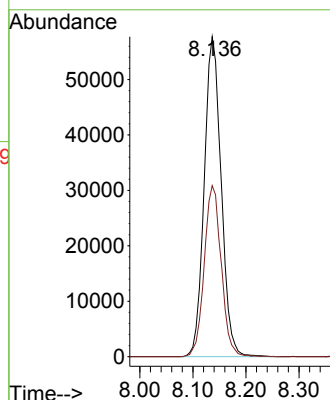
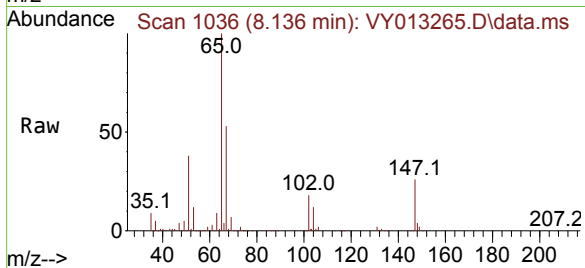
VIBLK

Tgt Ion: 65 Resp: 128408

Ion Ratio Lower Upper

65 100

67 53.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013265.D

Acq: 12 Apr 2023 13:05

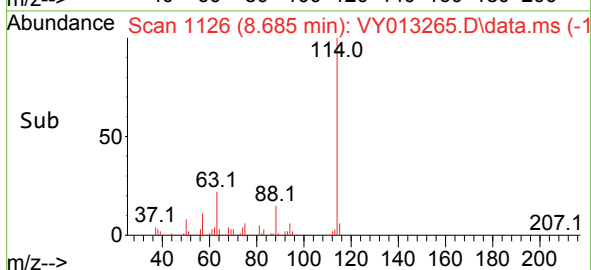
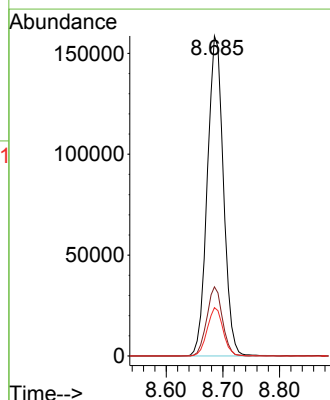
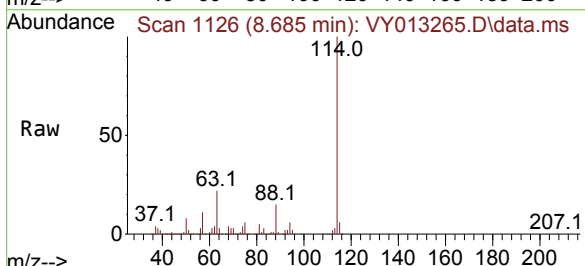
Tgt Ion: 114 Resp: 312347

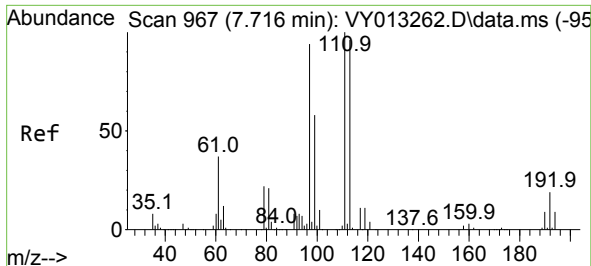
Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.4

88 15.1 0.0 28.6

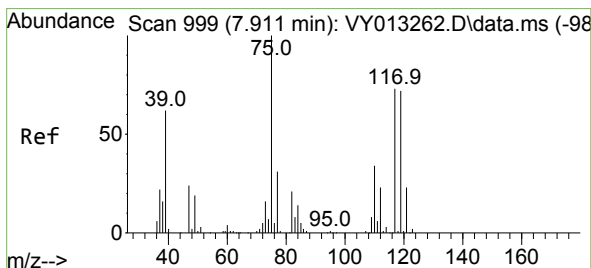
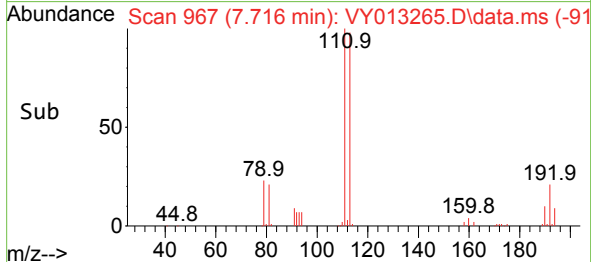
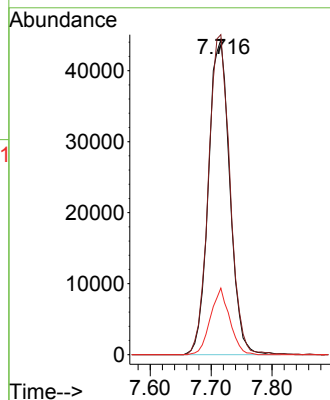
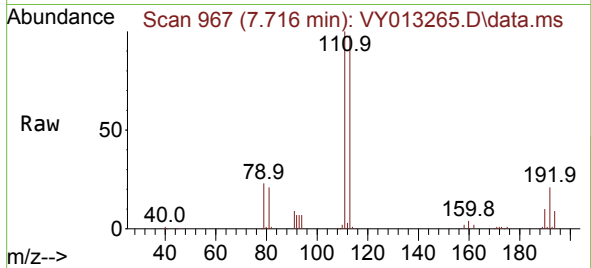




#35
Dibromofluoromethane
Concen: 53.435 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

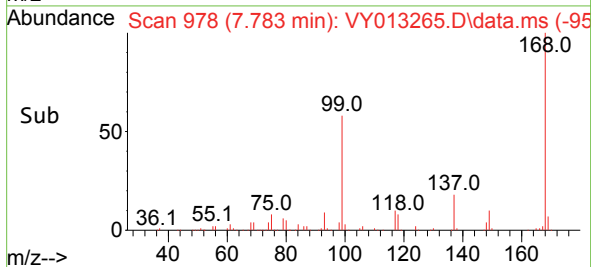
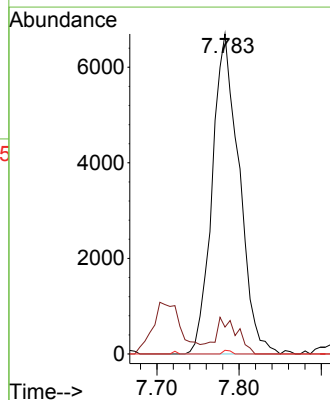
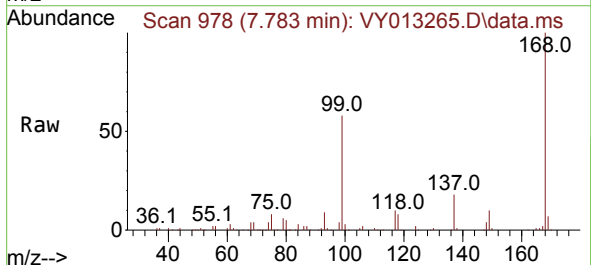
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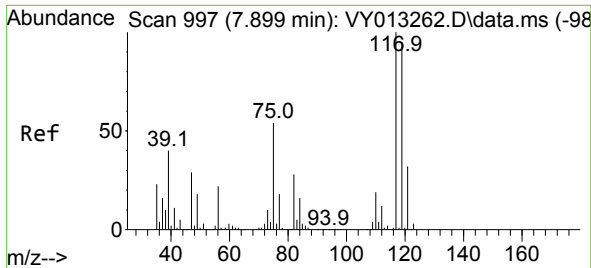
Tgt Ion:113 Resp: 108051
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 19.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

Tgt Ion: 75 Resp: 15228
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.3 25.0 37.4#

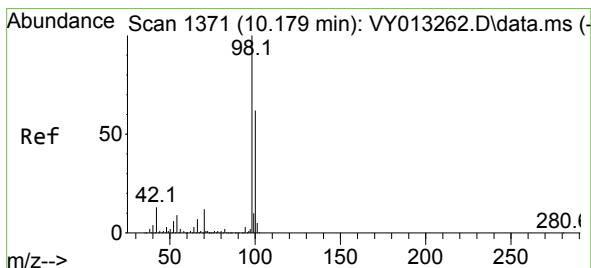
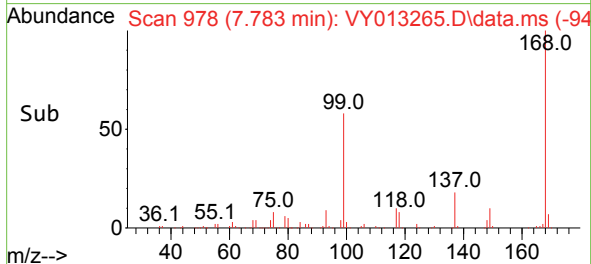
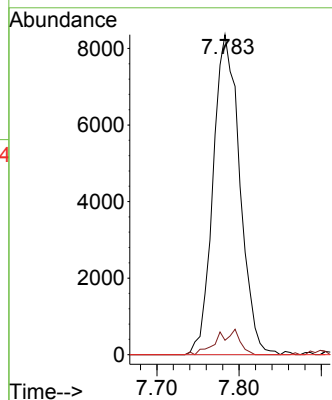
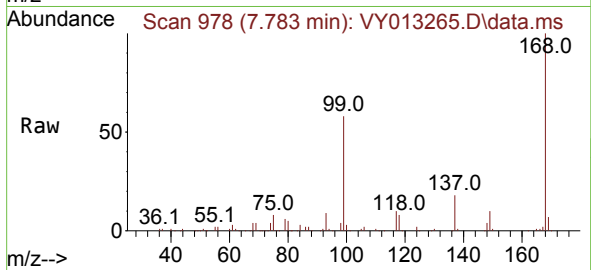




#38
Carbon Tetrachloride
Concen: 5.571 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

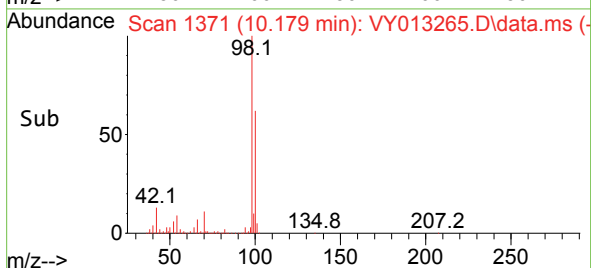
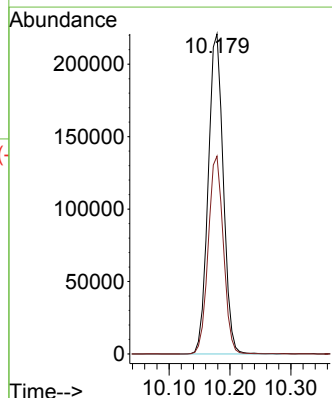
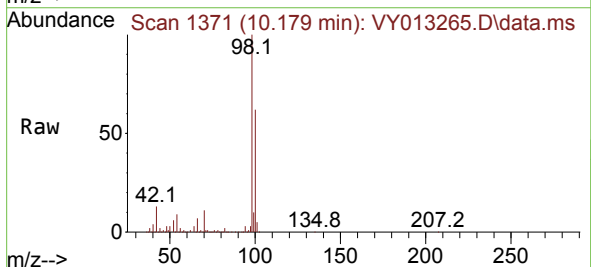
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

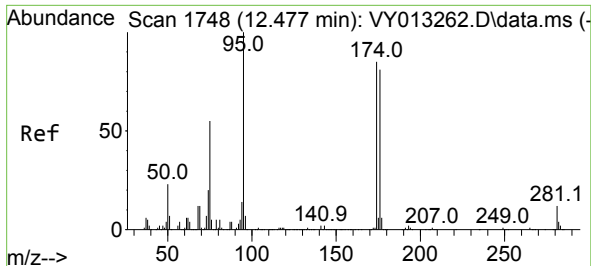
Tgt Ion:117 Resp: 18871
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.423 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

Tgt Ion: 98 Resp: 379516
Ion Ratio Lower Upper
98 100
100 62.0 50.9 76.3

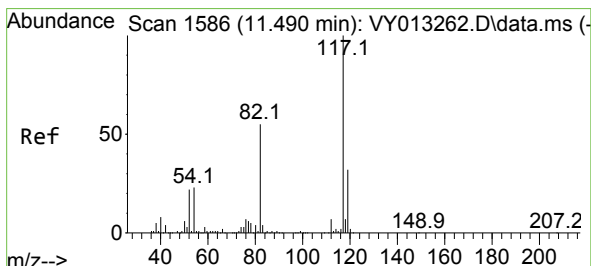
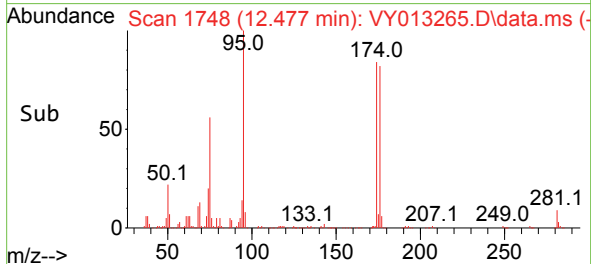
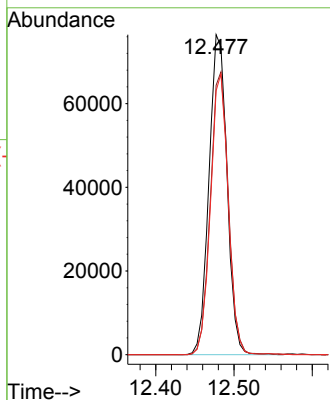
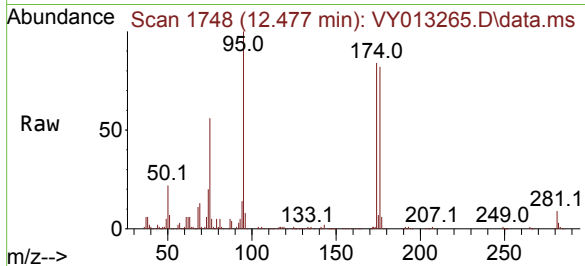




#62
4-Bromofluorobenzene
Concen: 49.995 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

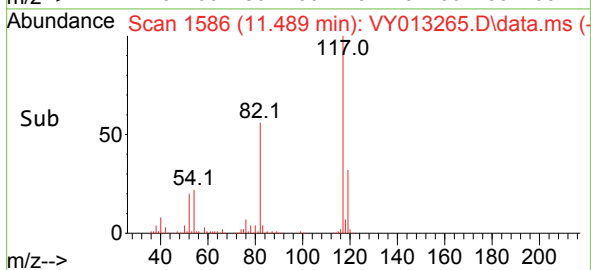
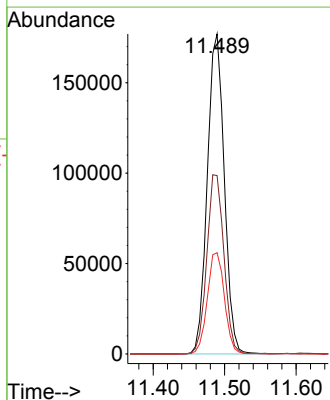
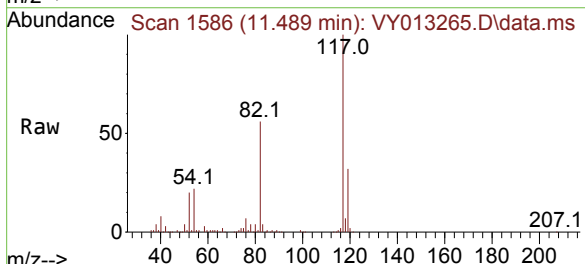
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

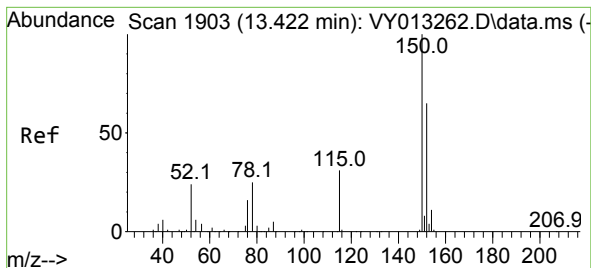
Tgt Ion: 95 Resp: 122264
Ion Ratio Lower Upper
95 100
174 88.7 0.0 176.6
176 86.0 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

Tgt Ion: 117 Resp: 291849
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.0
119 31.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013265.D

Acq: 12 Apr 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

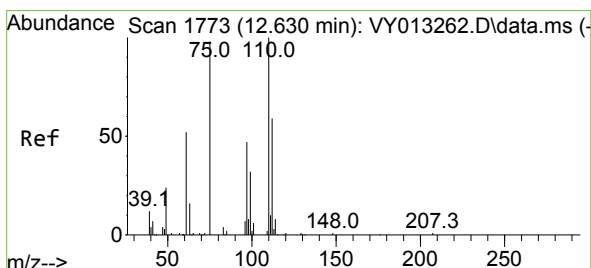
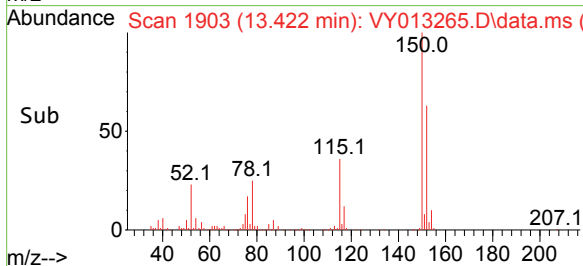
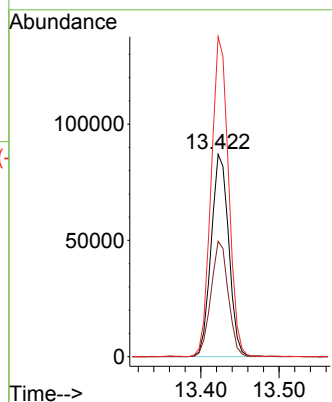
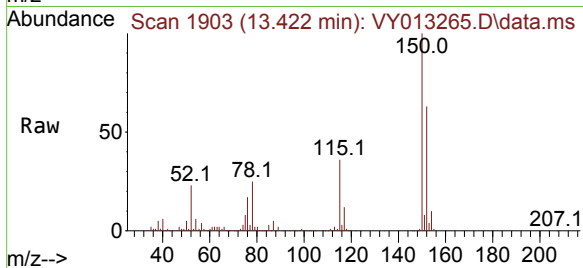
Tgt Ion:152 Resp: 135663

Ion Ratio Lower Upper

152 100

115 55.9 27.1 81.3

150 155.8 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 39.966 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY013265.D

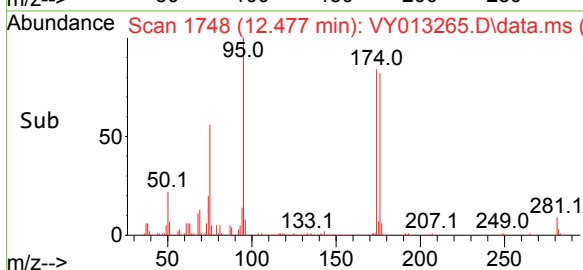
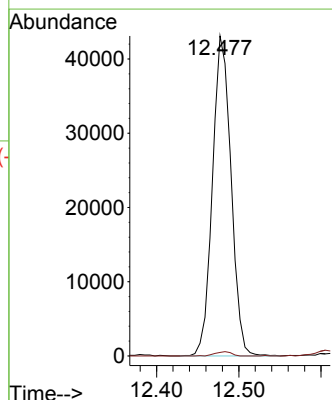
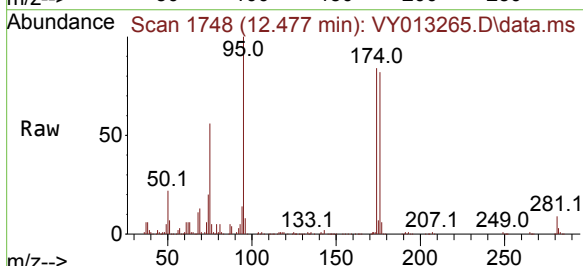
Acq: 12 Apr 2023 13:05

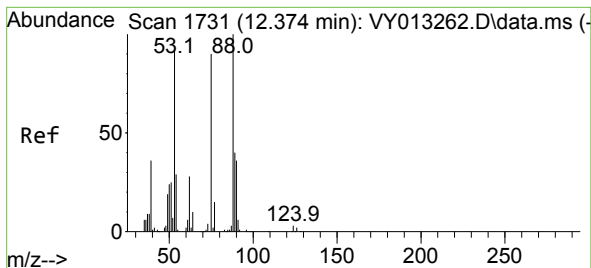
Tgt Ion: 75 Resp: 67793

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

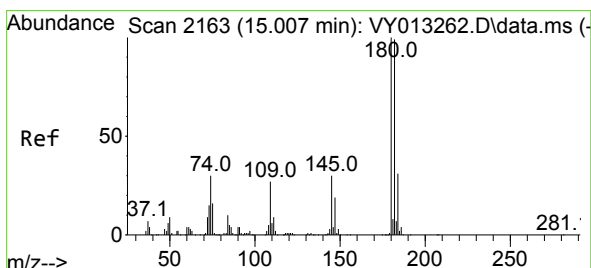
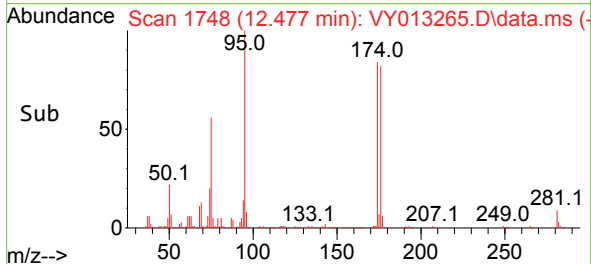
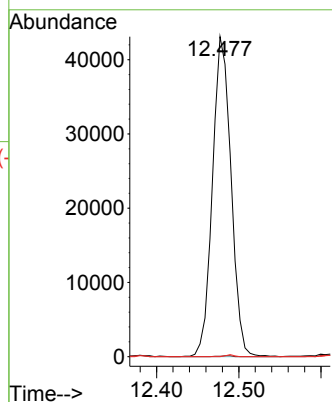
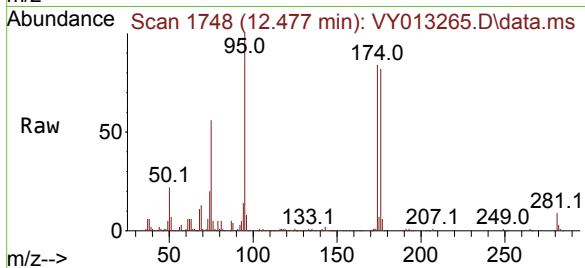




#81
trans-1,4-Dichloro-2-butene
Concen: 83.234 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

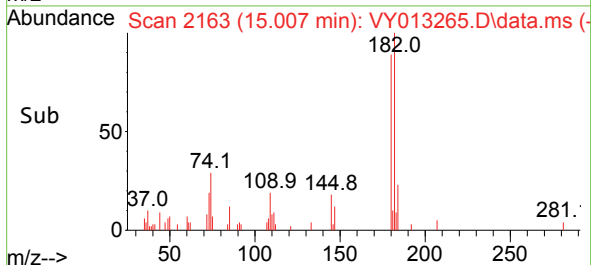
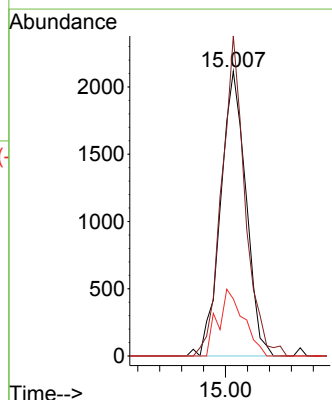
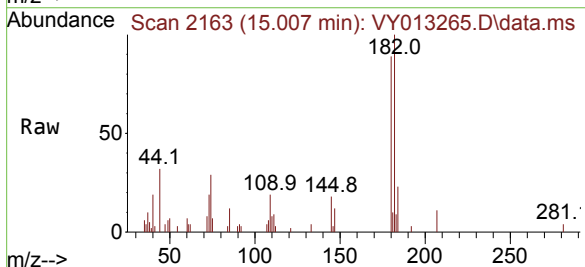
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

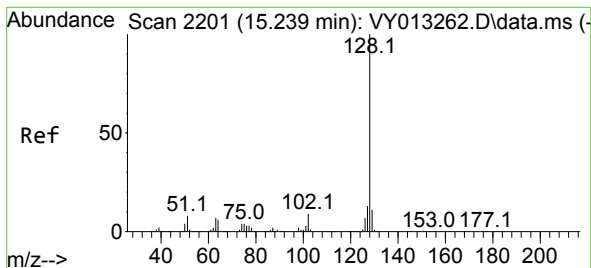
Tgt Ion: 75 Resp: 67793
Ion Ratio Lower Upper
75 100
53 0.2 73.4 110.0#
89 0.3 36.6 55.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.399 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY013265.D
Acq: 12 Apr 2023 13:05

Tgt Ion:180 Resp: 3395
Ion Ratio Lower Upper
180 100
182 103.4 46.7 140.1
145 23.6 14.6 43.8





#95

Naphthalene

Concen: 4.539 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY013265.D

Acq: 12 Apr 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

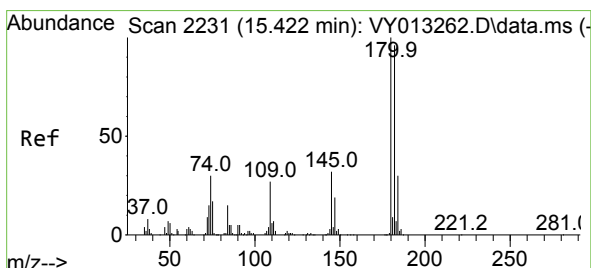
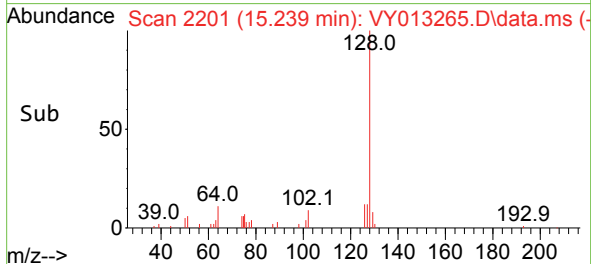
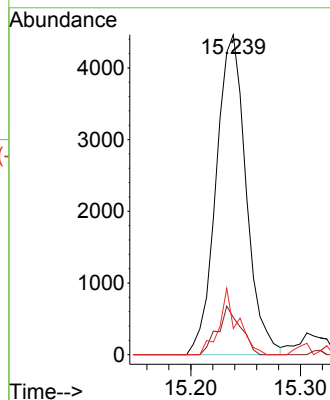
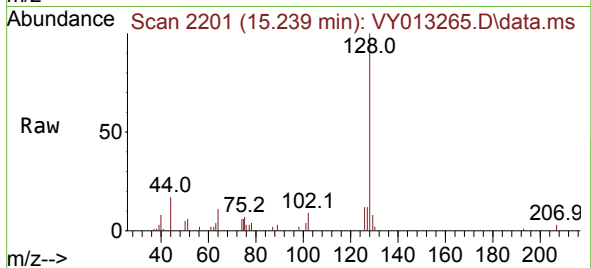
Tgt Ion:128 Resp: 8487

Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

129 12.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.559 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013265.D

Acq: 12 Apr 2023 13:05

Tgt Ion:180 Resp: 3446

Ion Ratio Lower Upper

180 100

182 96.5 47.4 142.3

145 34.3 15.3 45.8

