

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080723\
 Data File : VY014970.D
 Acq On : 07 Aug 2023 18:02
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 08 07:53:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

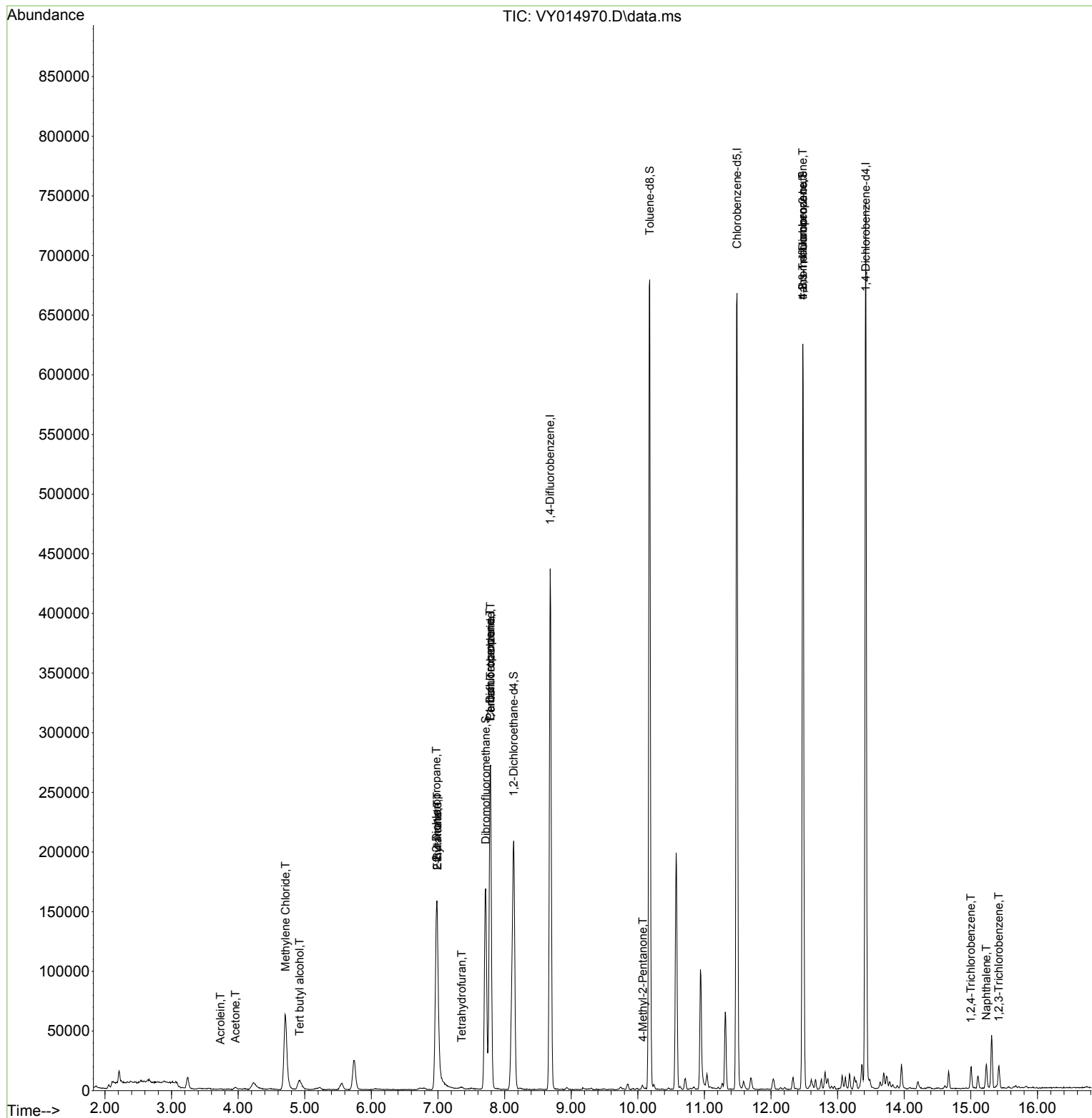
Internal Standards						
1) Pentafluorobenzene	7.789	168	216068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	377649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	370351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	181408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	139429	53.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.480%	
35) Dibromofluoromethane	7.716	113	119304	49.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.800%	
50) Toluene-d8	10.179	98	452187	49.194	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.380%	
62) 4-Bromofluorobenzene	12.477	95	173510	53.260	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.520%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	185	Below Cal	#	43
5) Bromomethane	2.650	94	1228	Below Cal		99
11) Tert butyl alcohol	4.924	59	9257	14.646	ug/l #	89
13) Acrolein	3.735	56	647	3.009	ug/l #	65
16) Acetone	3.960	43	3383	4.143	ug/l	91
20) Methylene Chloride	4.710	84	46920	1.047	ug/l #	87
25) 2-Butanone	6.990	43	9447	8.077	ug/l #	70
26) 2,2-Dichloropropane	6.978	77	12774	3.360	ug/l #	54
29) Tetrahydrofuran	7.356	42	904	1.318	ug/l #	85
31) Cyclohexane	7.789	56	4996	Below Cal	#	22
36) 1,1-Dichloropropene	7.783	75	17064	5.691	ug/l #	51
37) Ethyl Acetate	6.990	43	9447	3.969	ug/l #	1
38) Carbon Tetrachloride	7.789	117	20914	6.205	ug/l #	17
51) 4-Methyl-2-Pentanone	10.075	43	2696	1.082	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	93674	43.094	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	93674	94.938	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.001	180	5220	1.527	ug/l	92
95) Naphthalene	15.233	128	17032	2.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	5778	1.867	ug/l	96

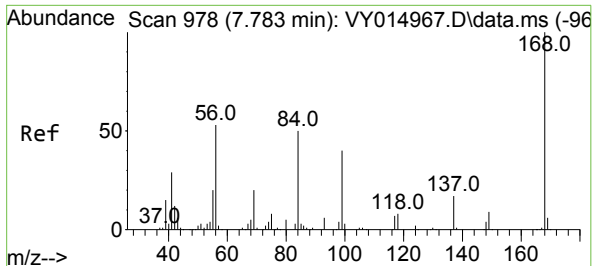
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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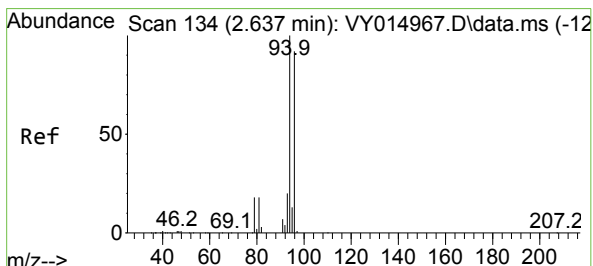
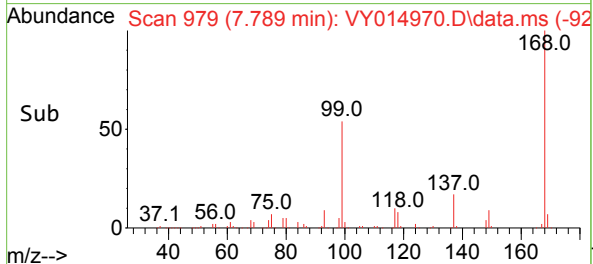
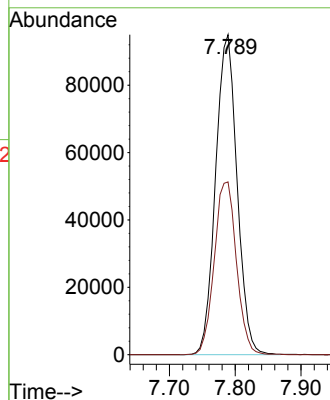
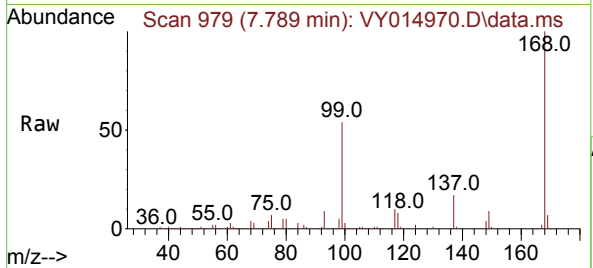




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

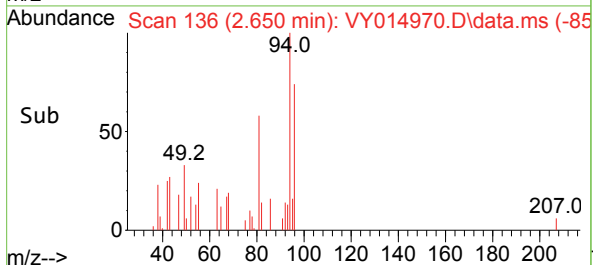
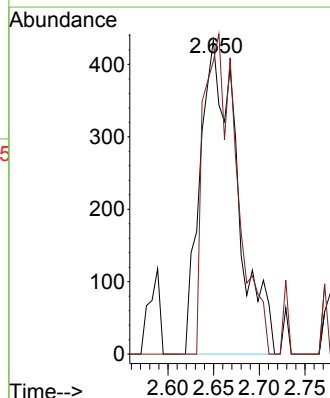
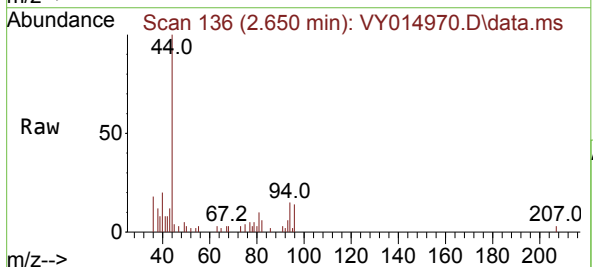
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

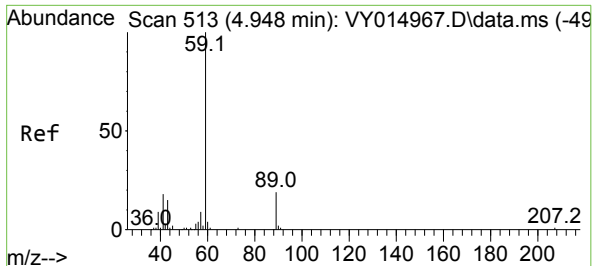
Tgt Ion:168 Resp: 216068
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

Tgt Ion: 94 Resp: 1228
Ion Ratio Lower Upper
94 100
96 93.3 75.8 113.6





#11

Tert butyl alcohol

Concen: 14.646 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

Instrument :

MSVOA_Y

ClientSampleId :

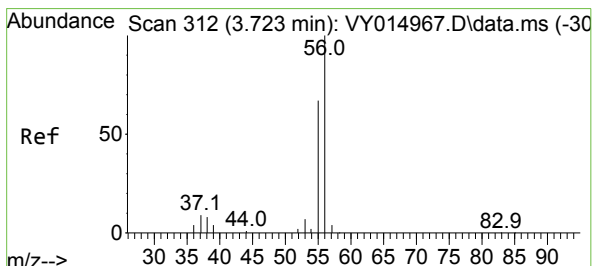
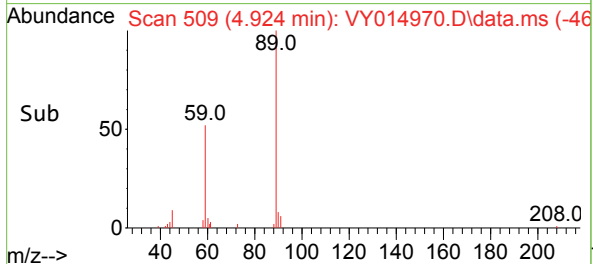
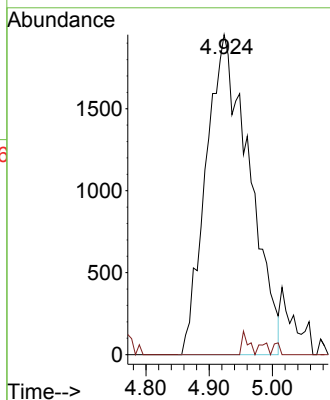
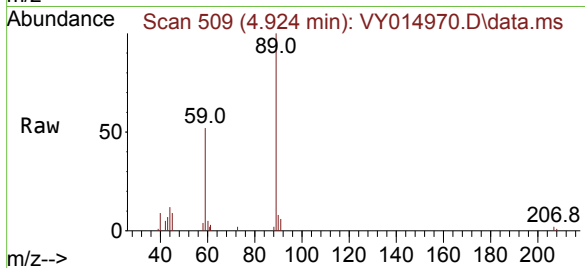
VIBLK

Tgt Ion: 59 Resp: 9257

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#13

Acrolein

Concen: 3.009 ug/l

RT: 3.735 min Scan# 314

Delta R.T. 0.012 min

Lab File: VY014970.D

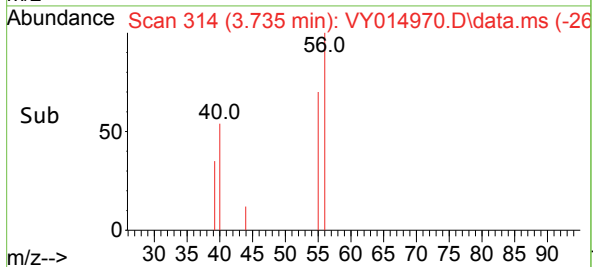
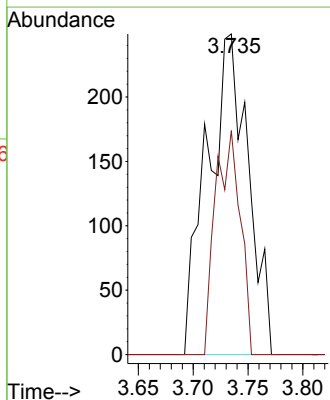
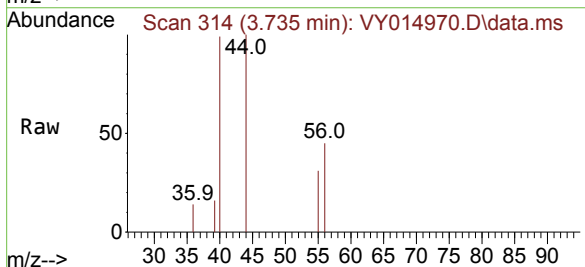
Acq: 07 Aug 2023 18:02

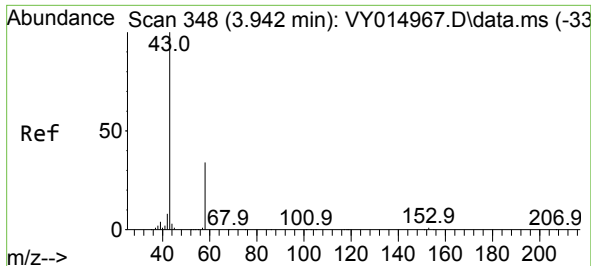
Tgt Ion: 56 Resp: 647

Ion Ratio Lower Upper

56 100

55 42.2 57.0 85.4#

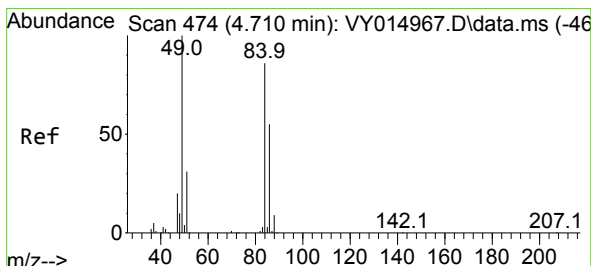
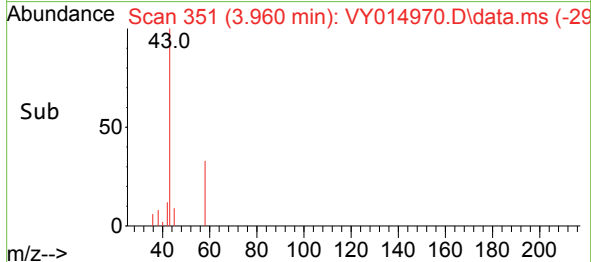
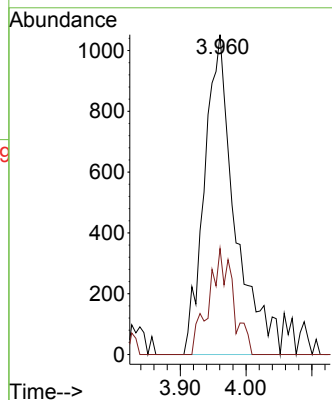
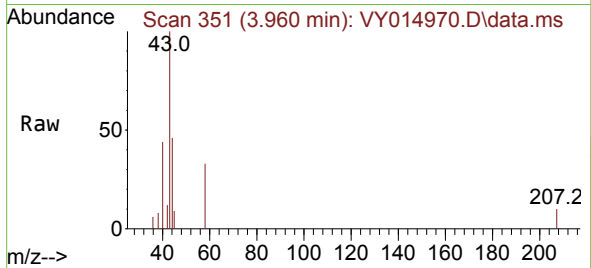




#16
Acetone
Concen: 4.143 ug/l
RT: 3.960 min Scan# 348
Delta R.T. 0.018 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

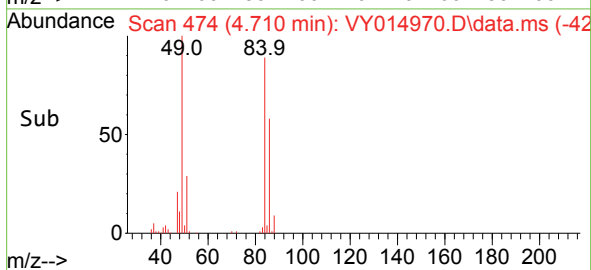
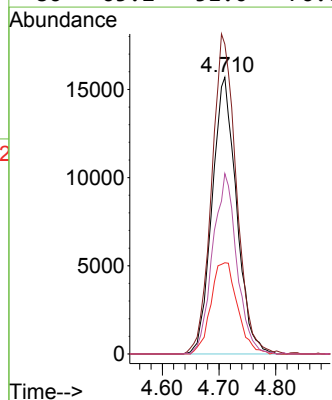
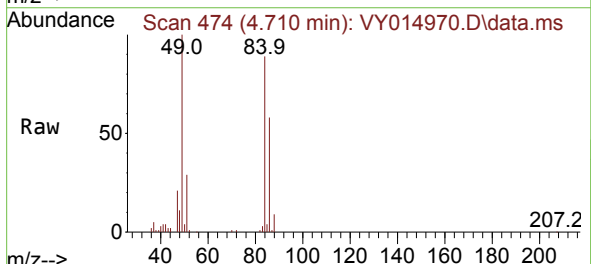
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

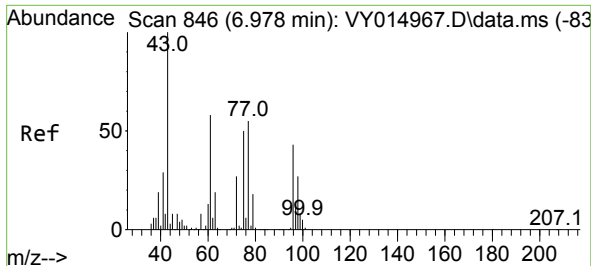
Tgt Ion: 43 Resp: 3383
Ion Ratio Lower Upper
43 100
58 33.2 22.7 34.1



#20
Methylene Chloride
Concen: 1.047 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

Tgt Ion: 84 Resp: 46920
Ion Ratio Lower Upper
84 100
49 112.0 106.9 160.3
51 33.0 33.2 49.8#
86 65.2 51.0 76.6

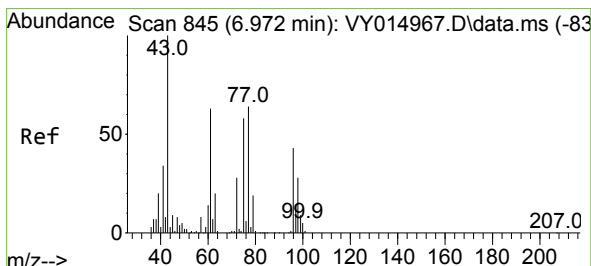
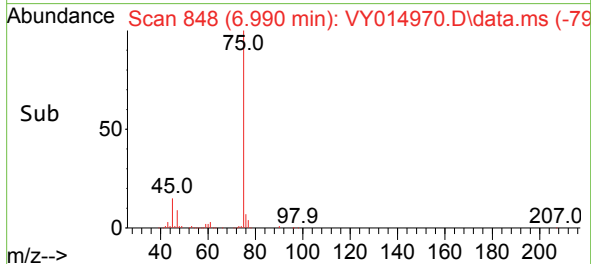
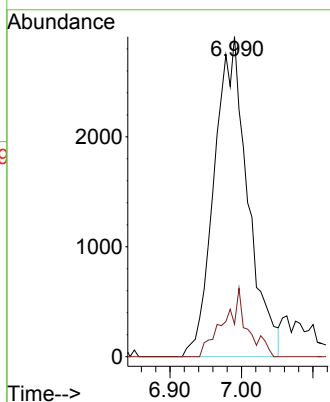
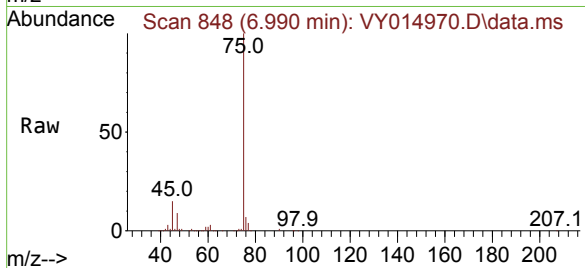




#25
2-Butanone
Concen: 8.077 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

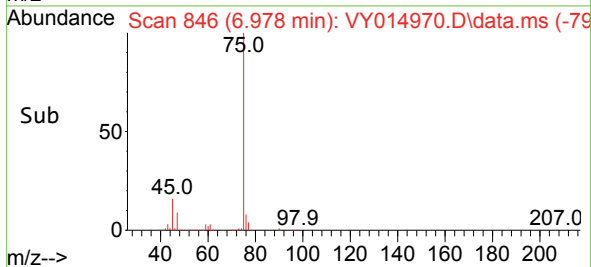
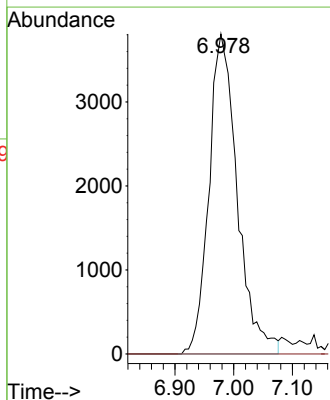
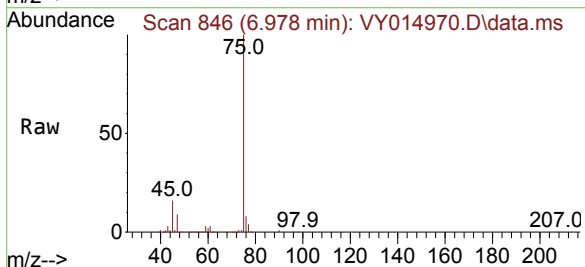
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

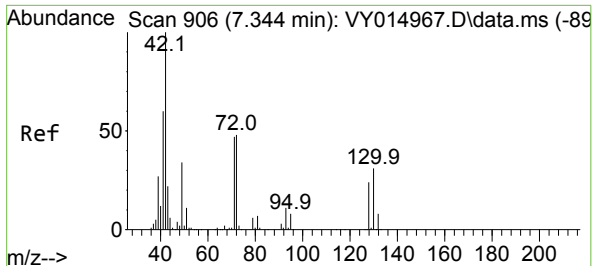
Tgt Ion: 43 Resp: 9447
Ion Ratio Lower Upper
43 100
72 10.2 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 3.360 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

Tgt Ion: 77 Resp: 12774
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.318 ug/l

RT: 7.356 min Scan# 904

Delta R.T. 0.012 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

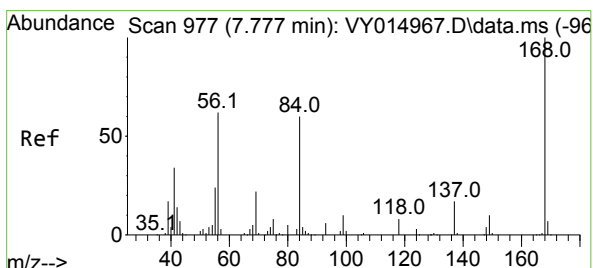
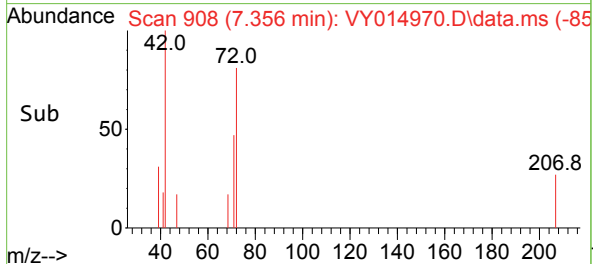
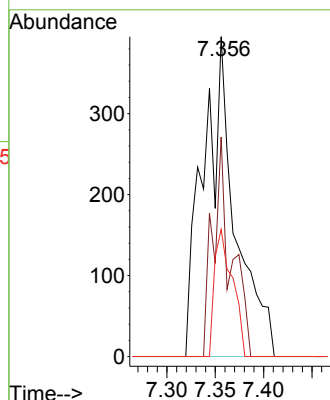
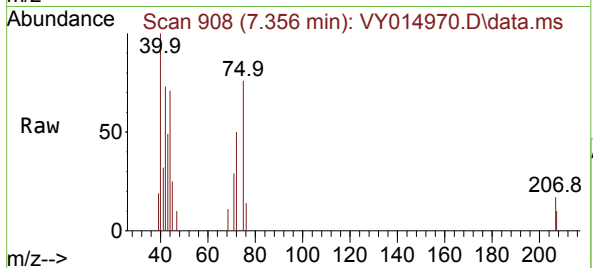
Tgt Ion: 42 Resp: 904

Ion Ratio Lower Upper

42 100

72 39.0 32.8 49.2

71 22.3 31.0 46.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

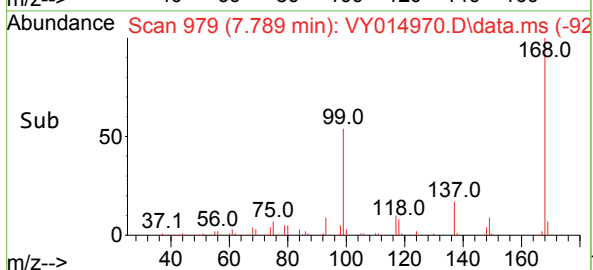
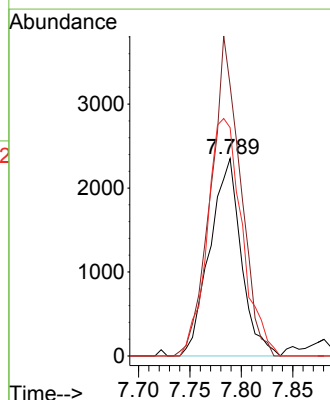
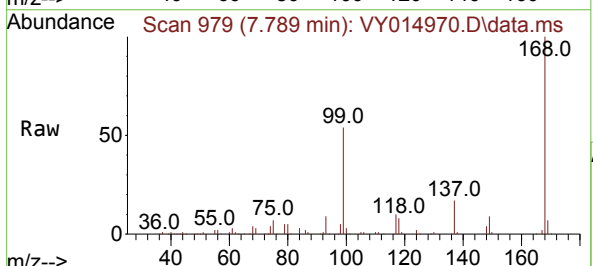
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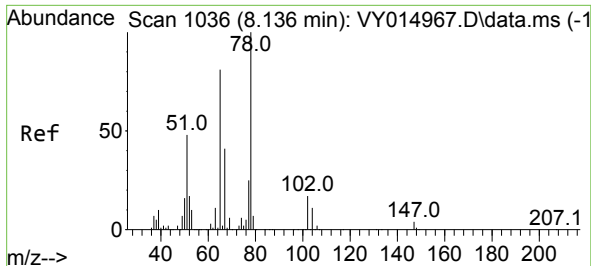
Ion Ratio Lower Upper

56 100

69 137.0 27.8 41.6#

84 115.7 66.4 99.6#

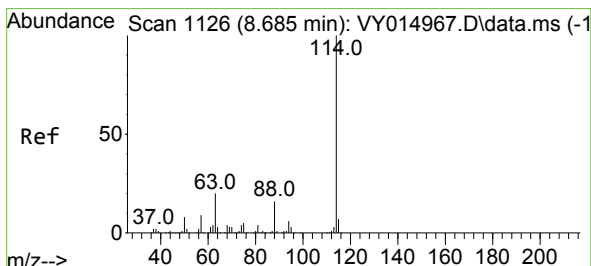
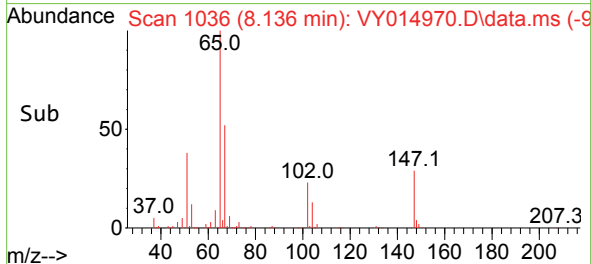
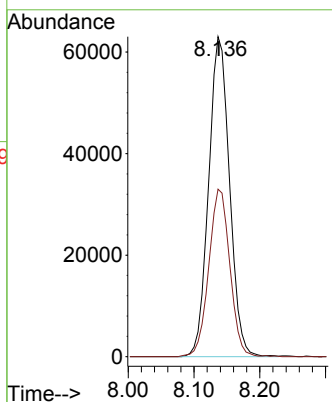
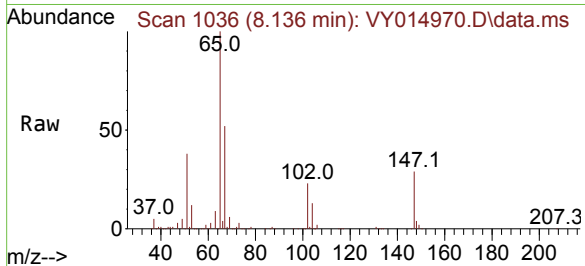




#33
1,2-Dichloroethane-d4
Concen: 53.241 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

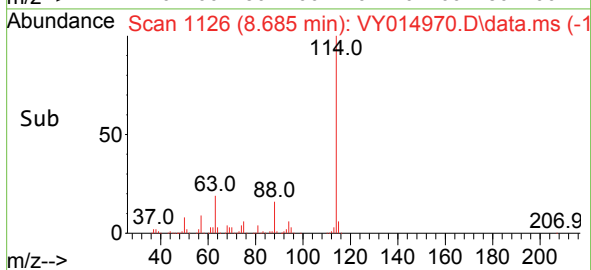
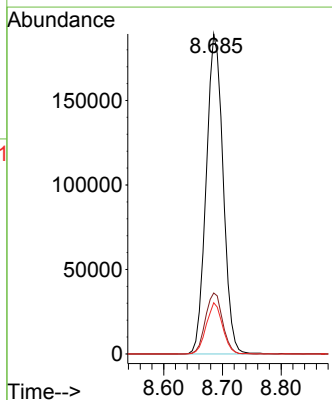
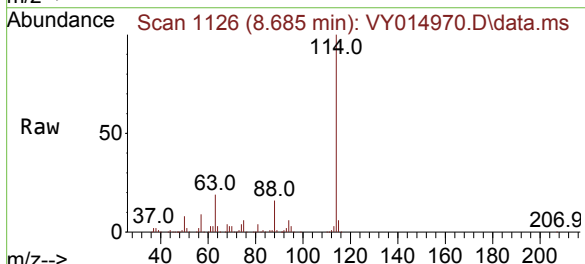
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 65 Resp: 139429
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

Tgt Ion:114 Resp: 377649
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 16.0 0.0 30.6





Concen: 49.402 ug/l

RT: 7.716 min Scan# 96

Delta R.T. 0.000 min

Lab File: VY014970.D

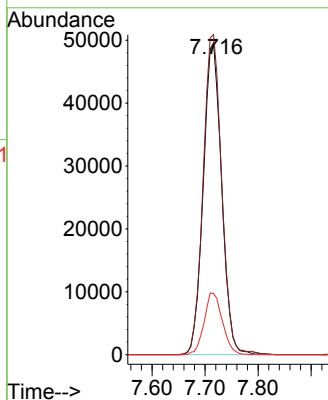
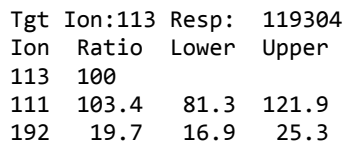
Acq: 07 Aug 2023 18:02

9) Instrument :

MSVOA Y

ClientSampleId :

VIBLK



Concen: 5.691 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

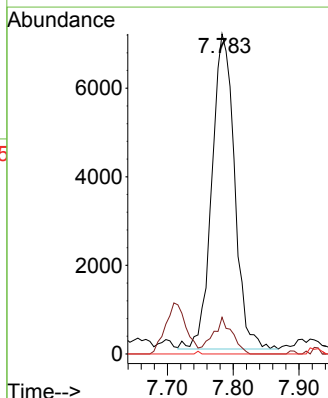
Tgt Ion: 75 Resp: 17064

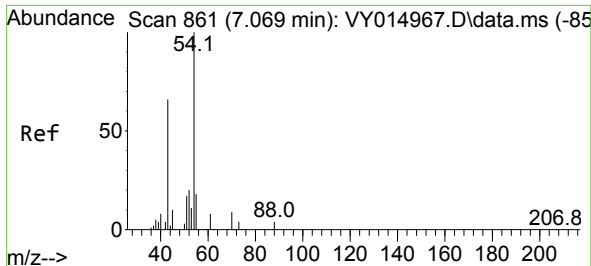
Ion	Ratio	Lower	Upper
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75 100

110 9.9 17.8 53.5#

77	0.0	24.4	36.6#
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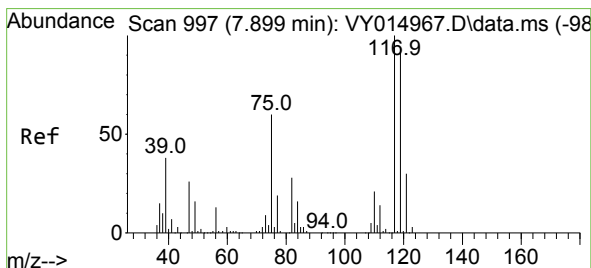
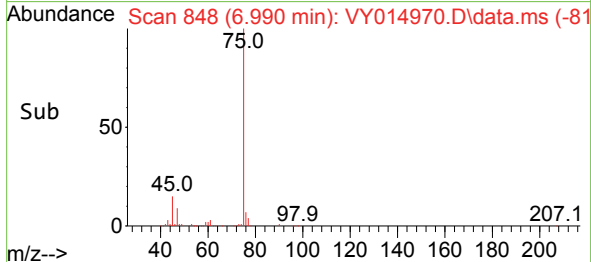
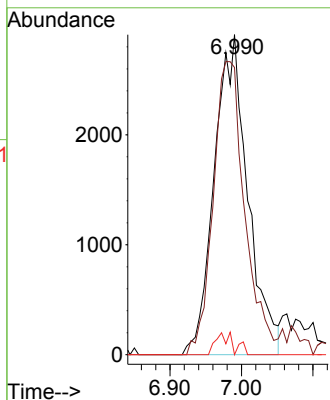
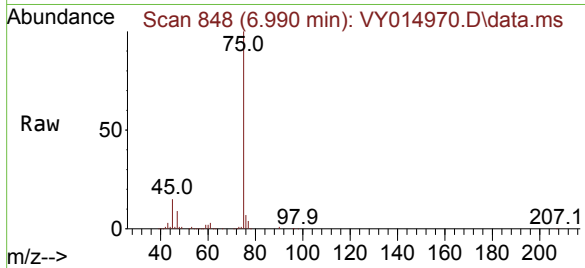




#37
Ethyl Acetate
Concen: 3.969 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.079 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

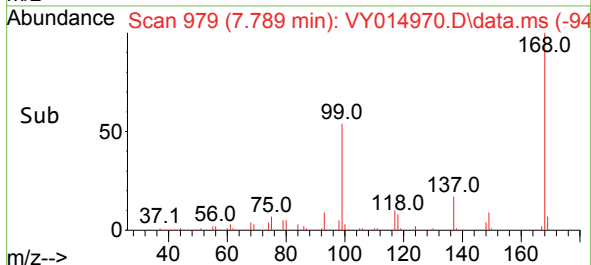
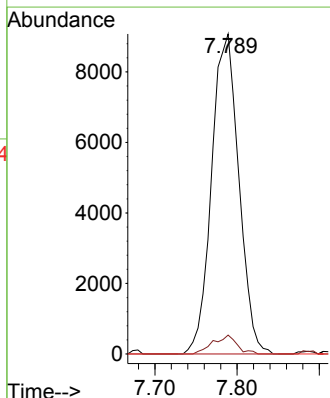
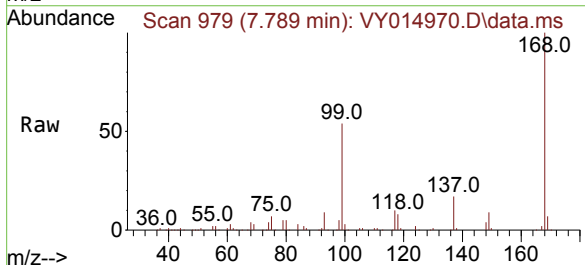
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

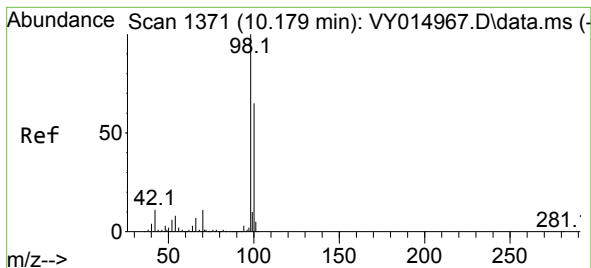
Tgt Ion: 43 Resp: 9447
Ion Ratio Lower Upper
43 100
61 86.9 10.1 15.1#
70 3.7 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.205 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

Tgt Ion: 117 Resp: 20914
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#

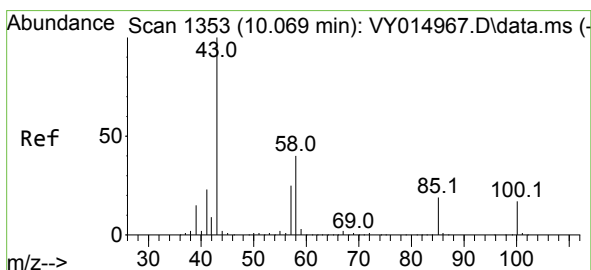
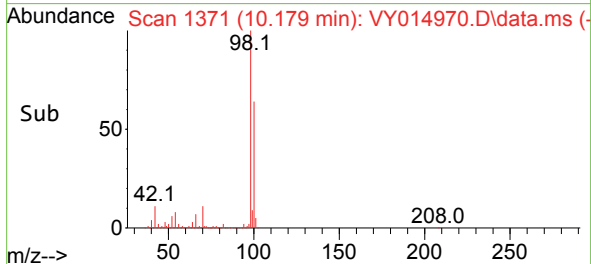
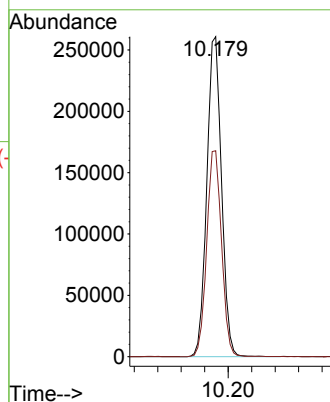
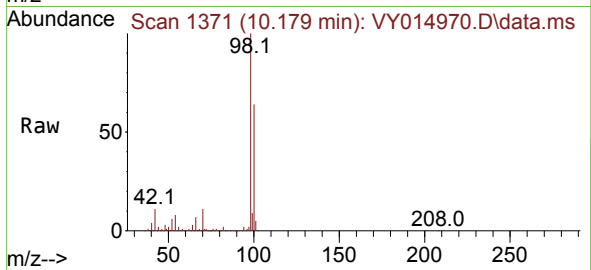




#50
Toluene-d8
Concen: 49.194 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

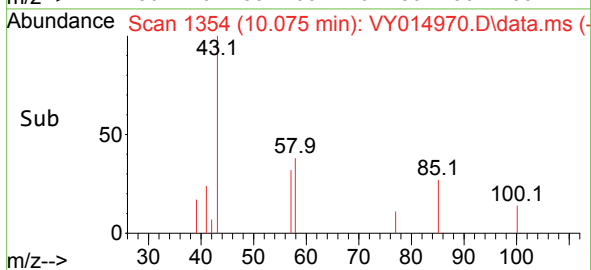
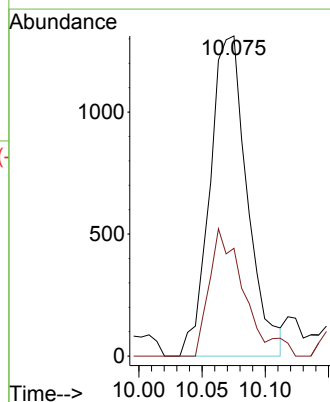
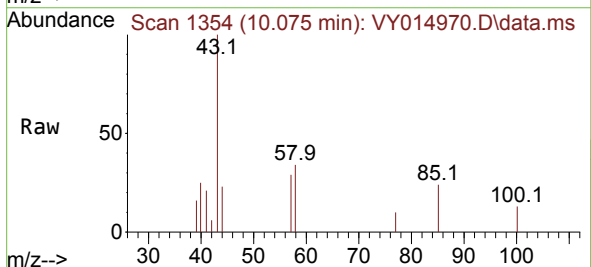
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

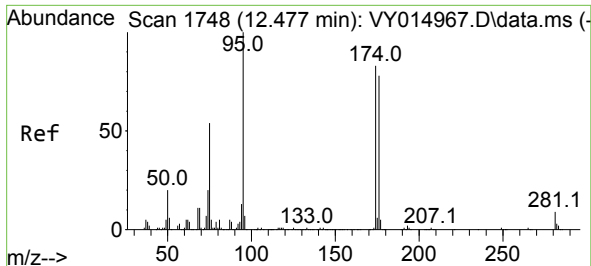
Tgt Ion: 98 Resp: 452187
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.082 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

Tgt Ion: 43 Resp: 2696
Ion Ratio Lower Upper
43 100
58 37.1 29.0 43.6

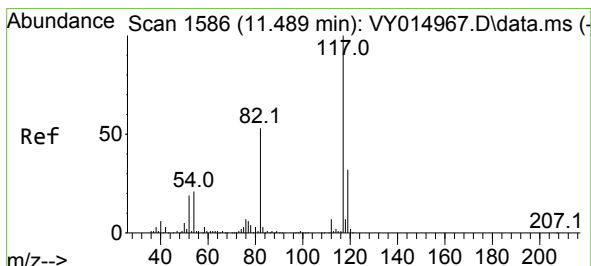
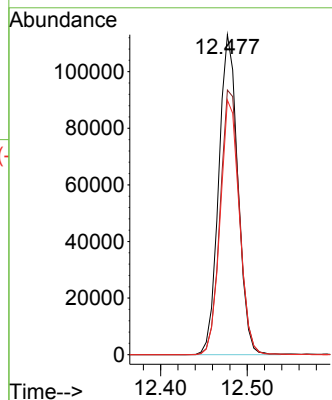
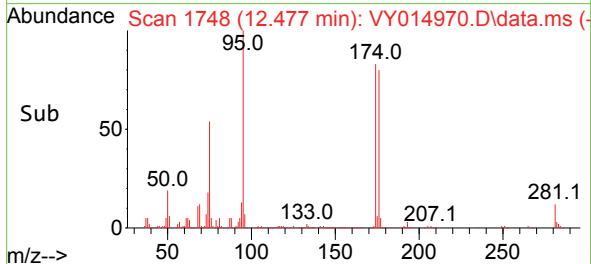
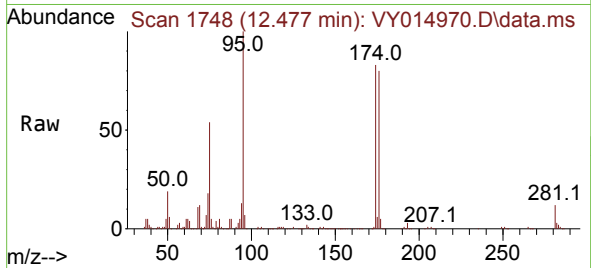




#62
4-Bromofluorobenzene
Concen: 53.260 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

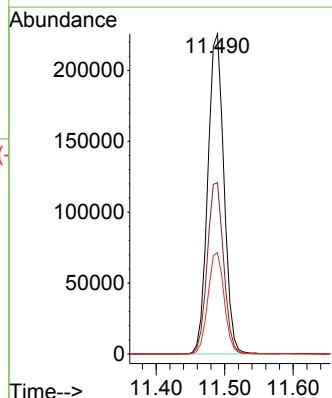
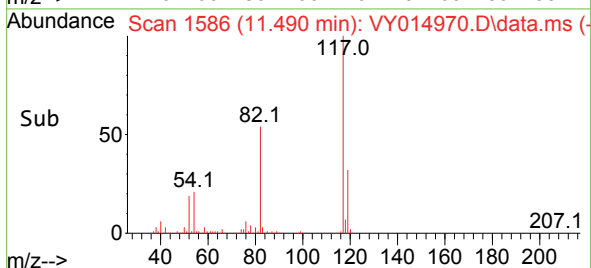
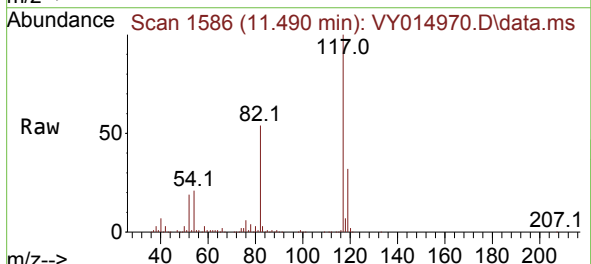
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

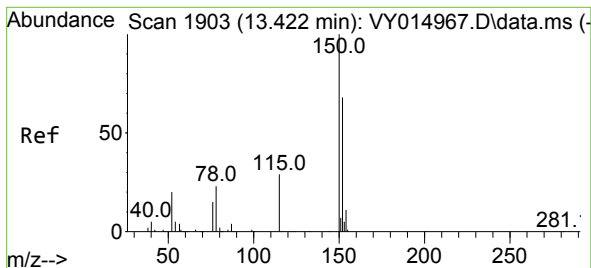
Tgt Ion: 95 Resp: 173510
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 79.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

Tgt Ion: 117 Resp: 370351
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

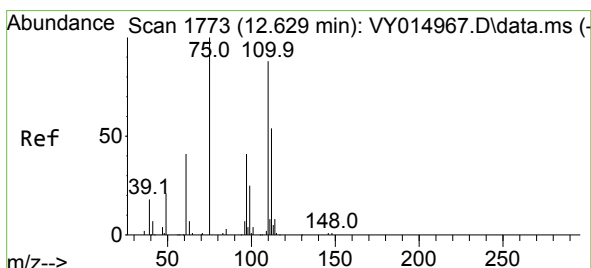
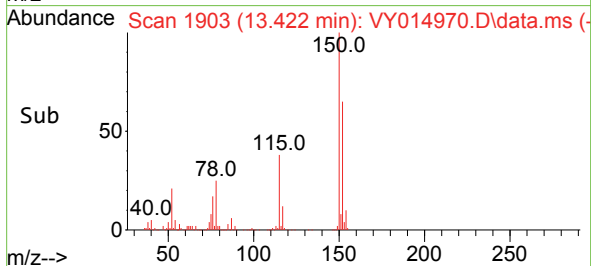
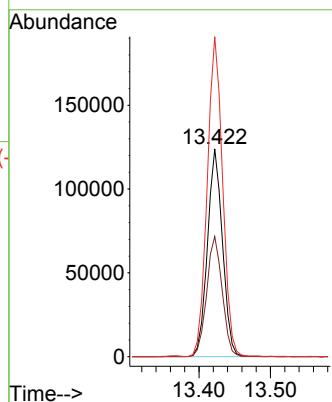
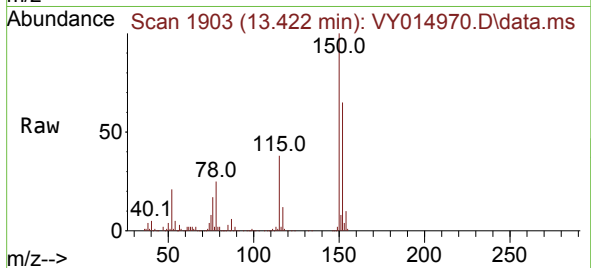
Tgt Ion:152 Resp: 181408

Ion Ratio Lower Upper

152 100

115 59.3 28.8 86.5

150 157.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 43.094 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY014970.D

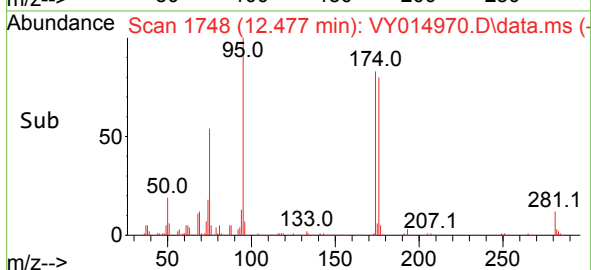
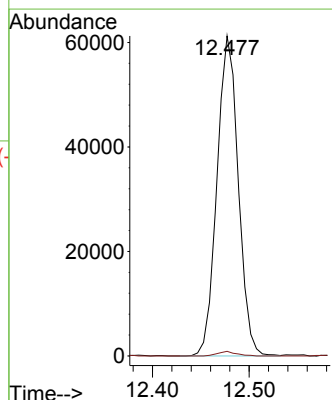
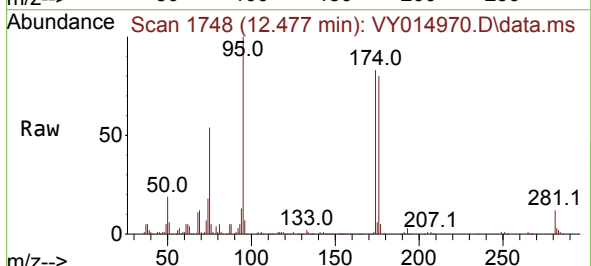
Acq: 07 Aug 2023 18:02

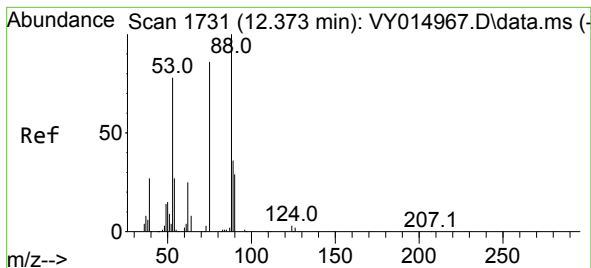
Tgt Ion: 75 Resp: 93674

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

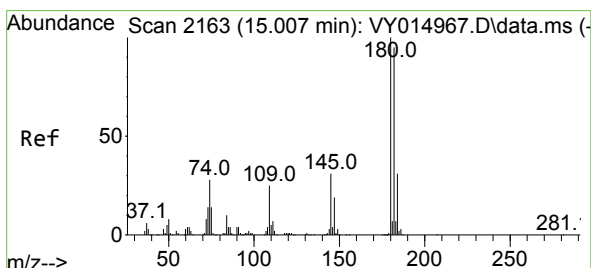
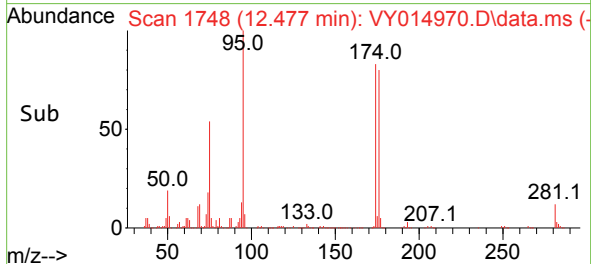
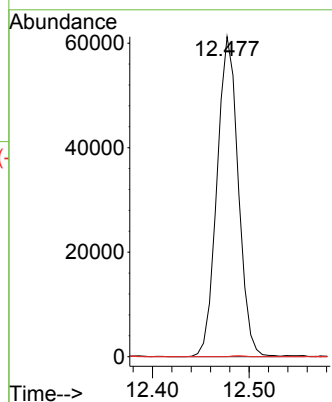
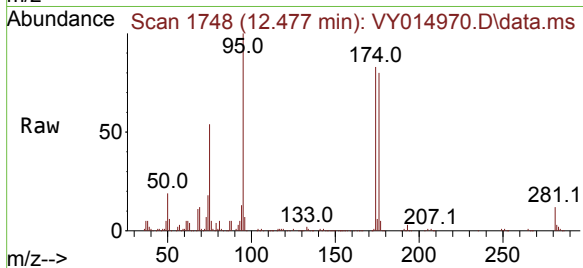




#81
trans-1,4-Dichloro-2-butene
Concen: 94.938 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

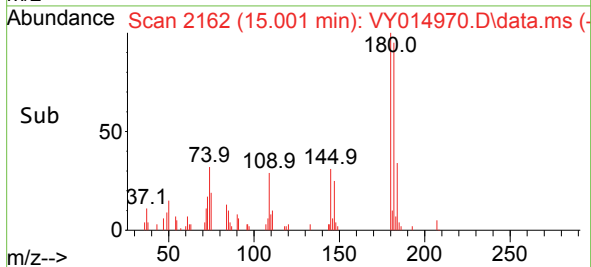
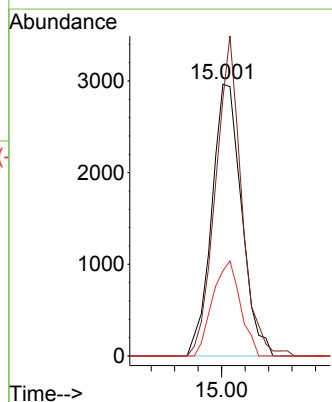
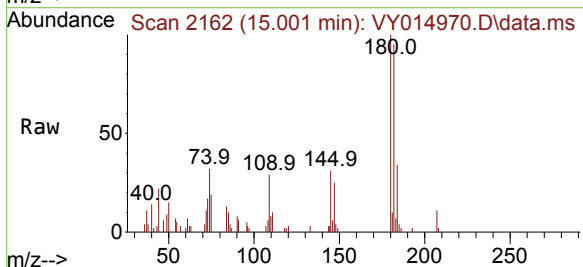
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

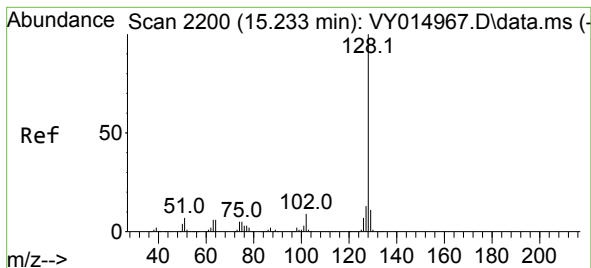
Tgt Ion: 75 Resp: 93674
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.527 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY014970.D
Acq: 07 Aug 2023 18:02

Tgt Ion: 180 Resp: 5220
Ion Ratio Lower Upper
180 100
182 102.1 47.0 141.2
145 32.5 14.5 43.5





#95

Naphthalene

Concen: 2.117 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

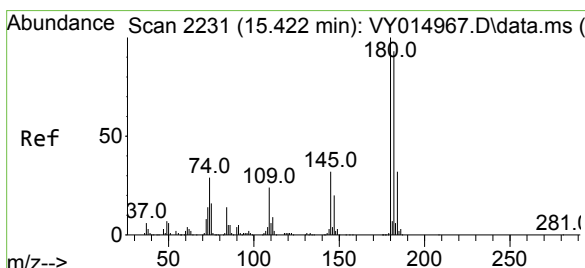
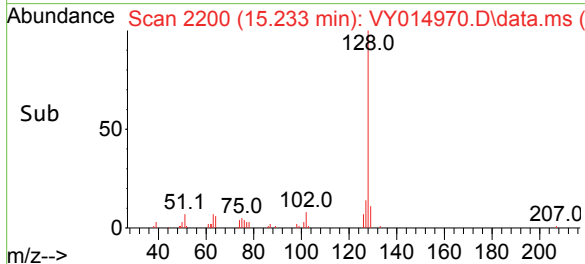
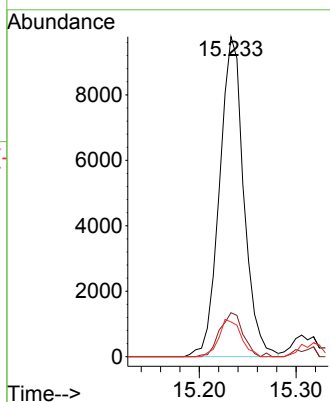
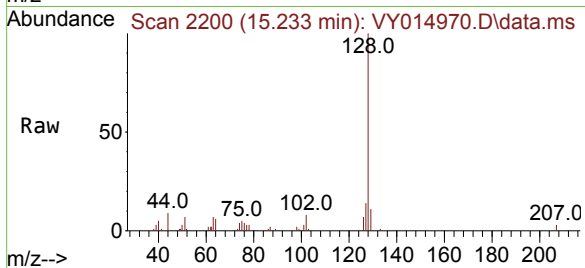
Tgt Ion:128 Resp: 17032

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 10.7 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.867 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

Tgt Ion:180 Resp: 5778

Ion Ratio Lower Upper

180 100

182 93.1 47.3 141.8

145 38.2 15.4 46.2

