

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040723\
 Data File : VY013225.D
 Acq On : 07 Apr 2023 19:17
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 08 02:32:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040723S.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 08 02:16:15 2023
 Response via : Initial Calibration

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

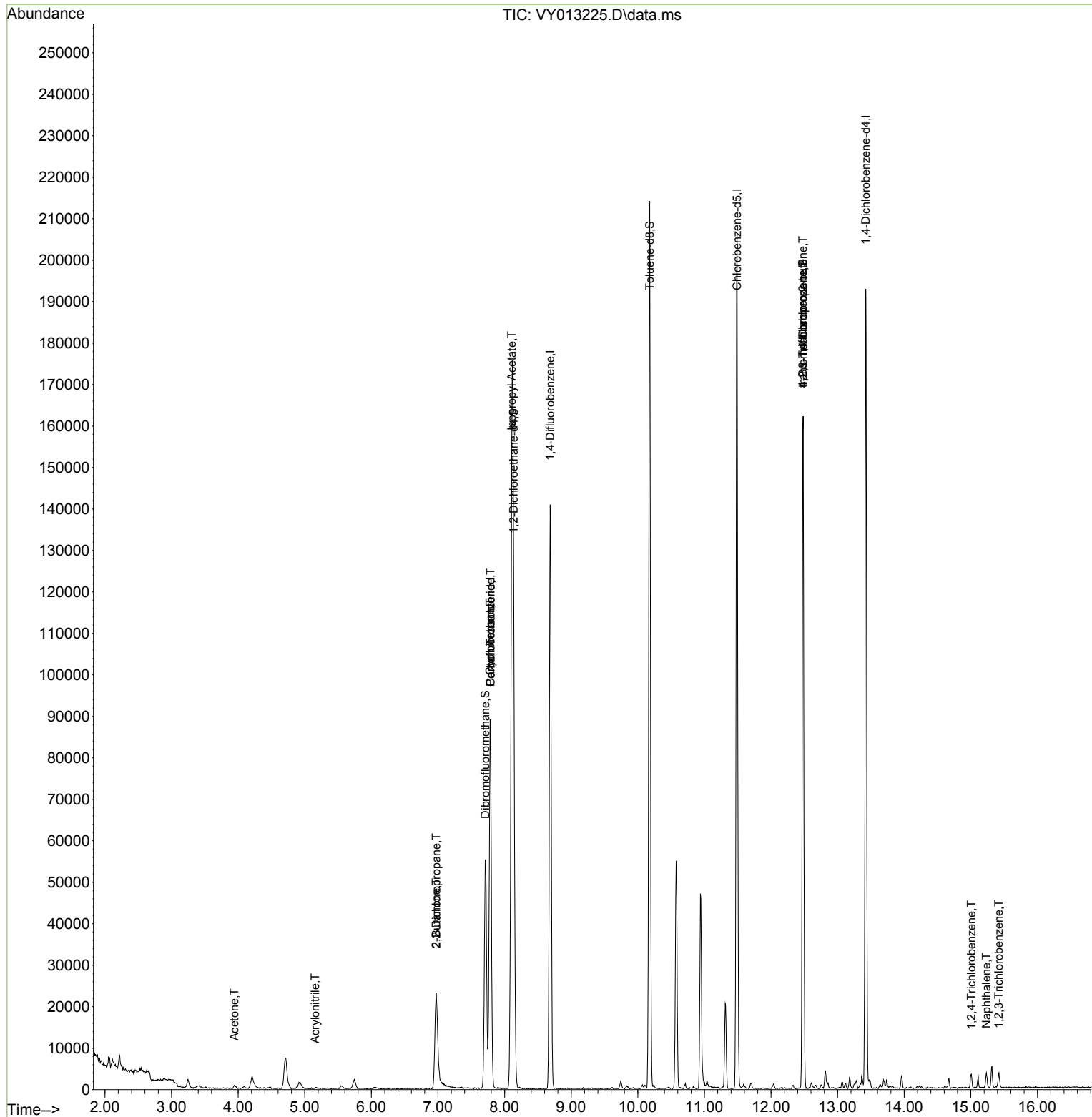
Internal Standards						
1) Pentafluorobenzene	7.789	168	67056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	112359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	102852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	47848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	47047	54.130	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.260%	
35) Dibromofluoromethane	7.710	113	37835	48.047	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.100%	
50) Toluene-d8	10.179	98	133909	47.936	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.880%	
62) 4-Bromofluorobenzene	12.477	95	41994	43.551	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	849	Below Cal	#	80
11) Tert butyl alcohol	4.911	59	919	Below Cal	#	74
15) Acrylonitrile	5.155	53	290	1.068	ug/l #	17
16) Acetone	3.942	43	1179	3.764	ug/l	100
25) 2-Butanone	6.972	43	1939	4.516	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	1974	1.493	ug/l #	52
31) Cyclohexane	7.783	56	1699	1.401	ug/l #	61
38) Carbon Tetrachloride	7.789	117	6879	5.196	ug/l #	19
43) Isopropyl Acetate	8.106	43	4374	2.569	ug/l #	54
76) 1,2,3-Trichloropropane	12.477	75	23974	36.350	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	23974	75.847	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.007	180	1194	1.266	ug/l	96
95) Naphthalene	15.233	128	3149	1.513	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	1408	1.606	ug/l	95

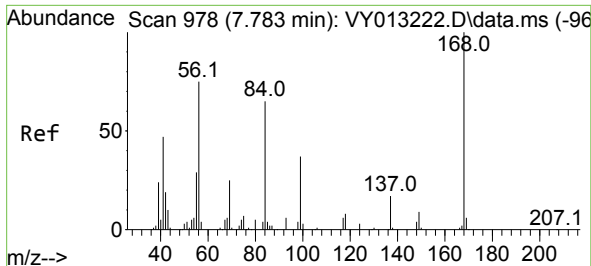
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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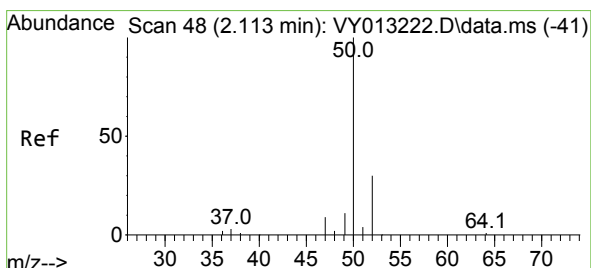
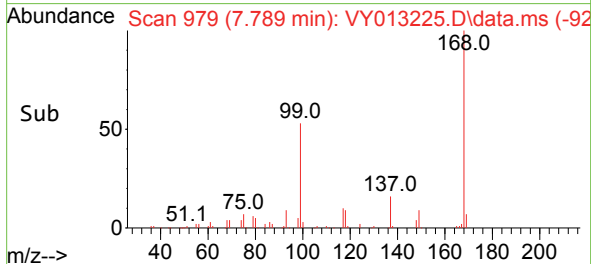
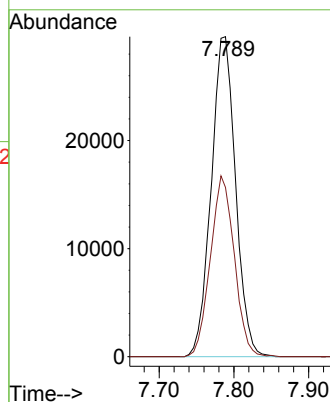
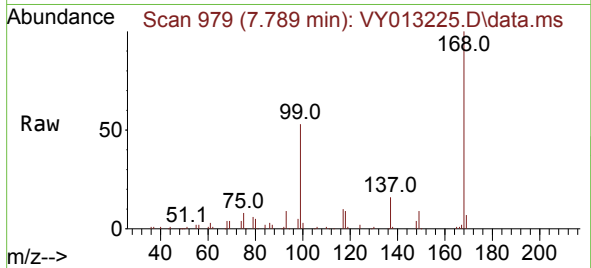




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

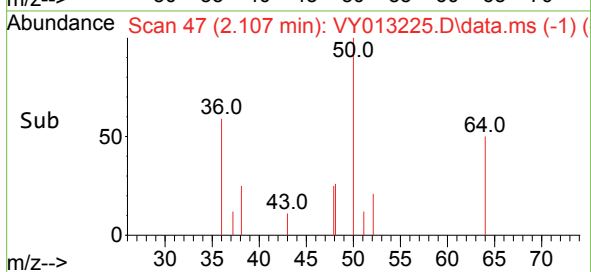
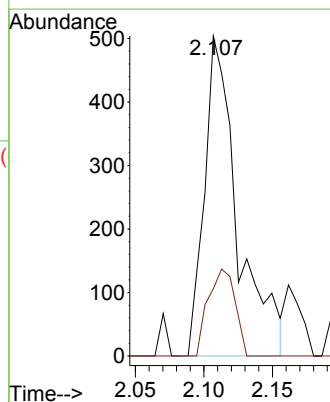
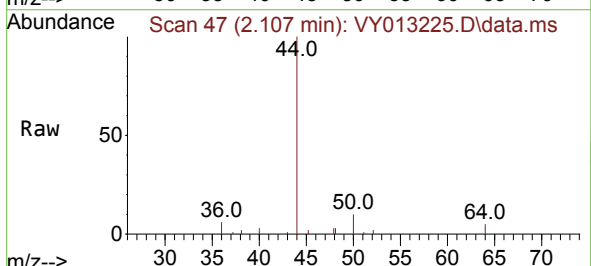
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

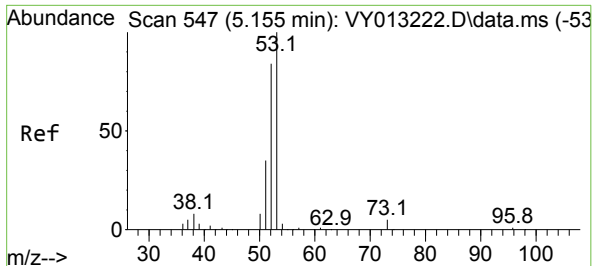
Tgt Ion:168 Resp: 67056
Ion Ratio Lower Upper
168 100
99 52.9 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

Tgt Ion: 50 Resp: 849
Ion Ratio Lower Upper
50 100
52 21.0 26.0 39.0#

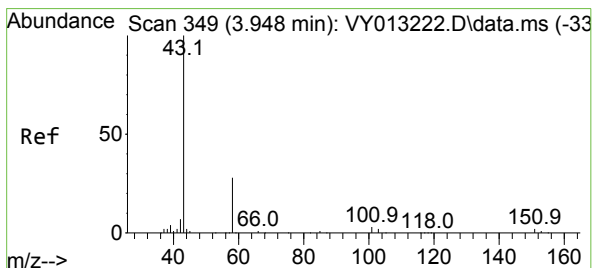
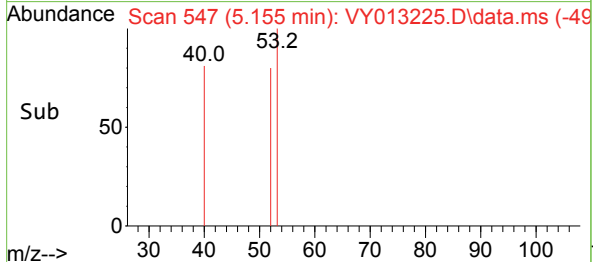
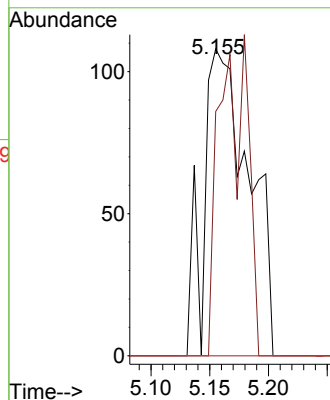
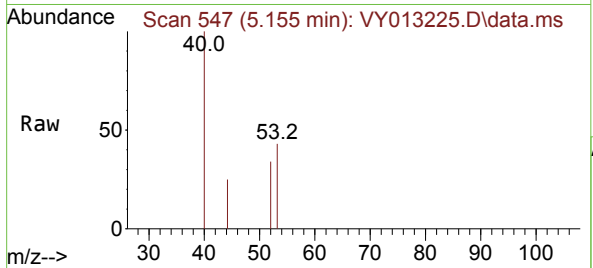




#15
Acrylonitrile
Concen: 1.068 ug/l
RT: 5.155 min Scan# 547
Delta R.T. -0.000 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

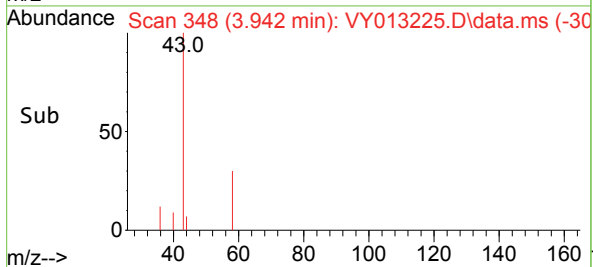
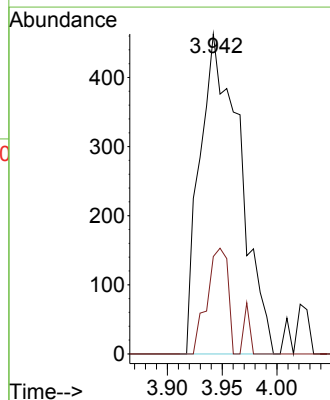
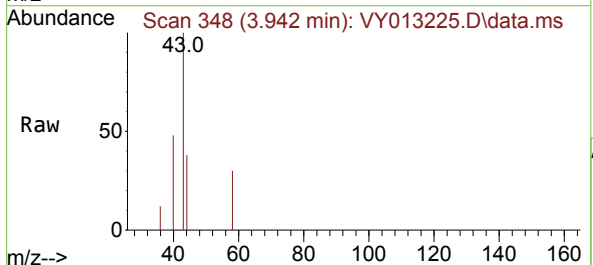
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

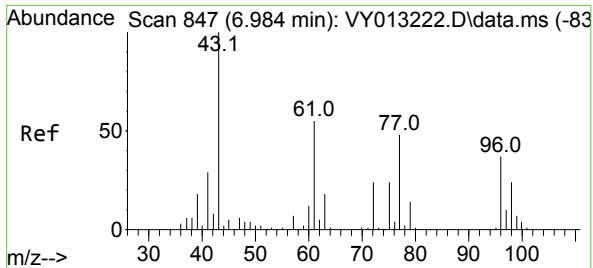
Tgt Ion: 53 Resp: 290
Ion Ratio Lower Upper
53 100
52 0.0 66.3 99.5#
51 0.0 28.8 43.2#



#16
Acetone
Concen: 3.764 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
58 30.5 24.2 36.2





#25

2-Butanone

Concen: 4.516 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY013225.D

Acq: 07 Apr 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

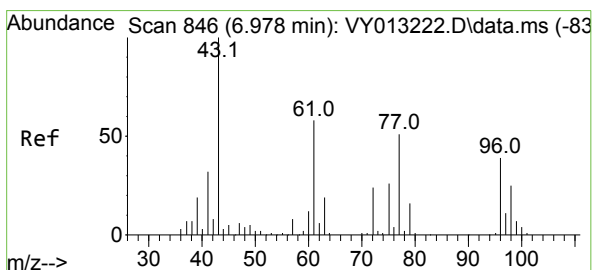
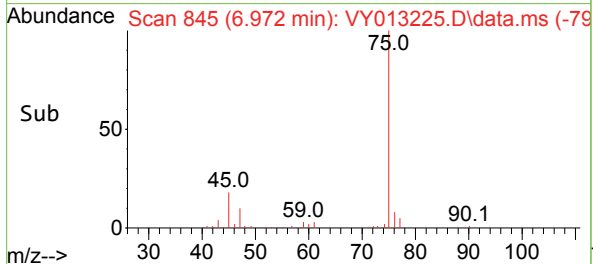
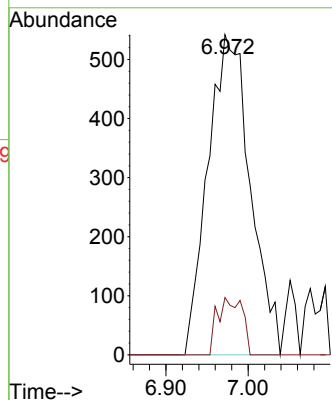
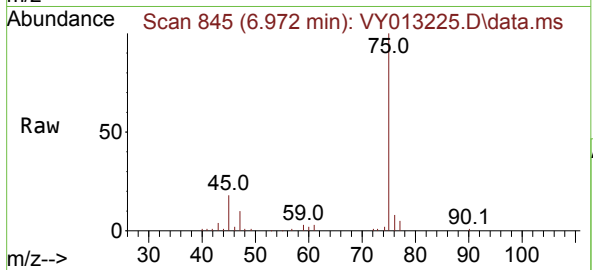
VIBLK

Tgt Ion: 43 Resp: 1939

Ion Ratio Lower Upper

43 100

72 17.9 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 1.493 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY013225.D

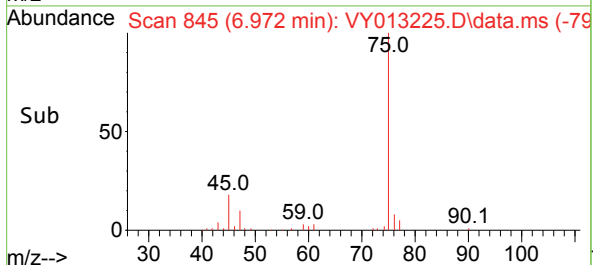
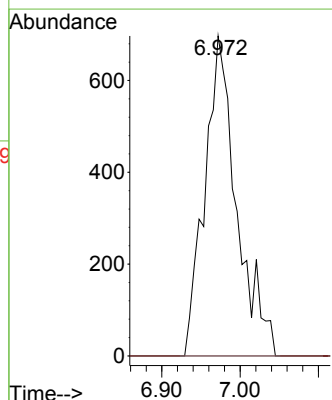
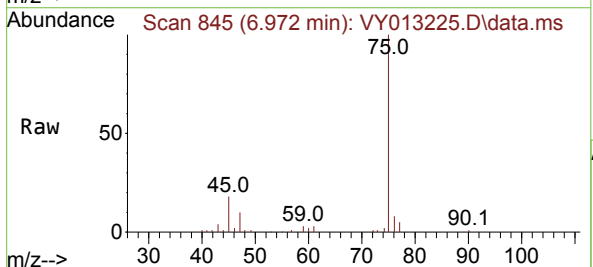
Acq: 07 Apr 2023 19:17

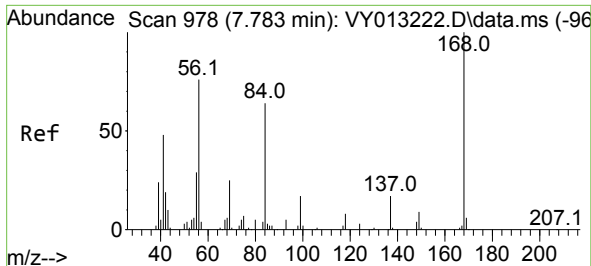
Tgt Ion: 77 Resp: 1974

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

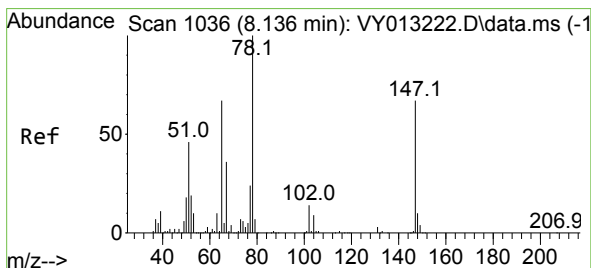
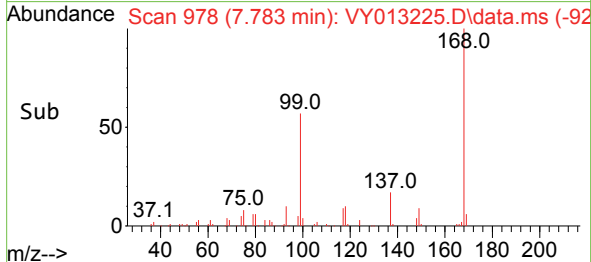
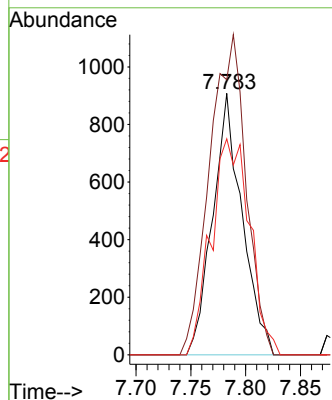
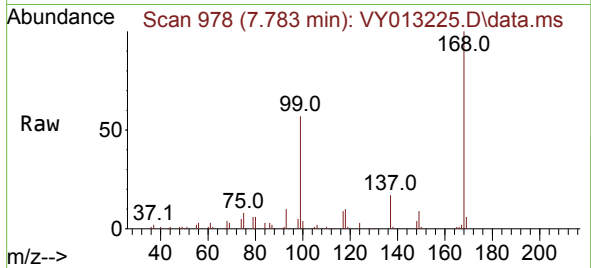




#31
Cyclohexane
Concen: 1.401 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

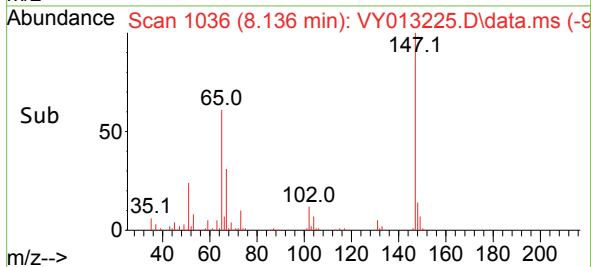
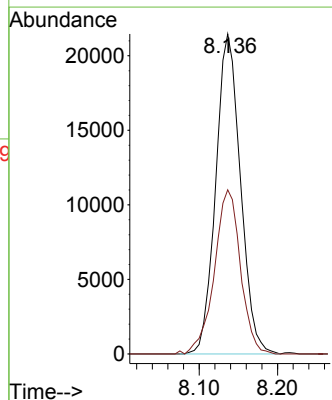
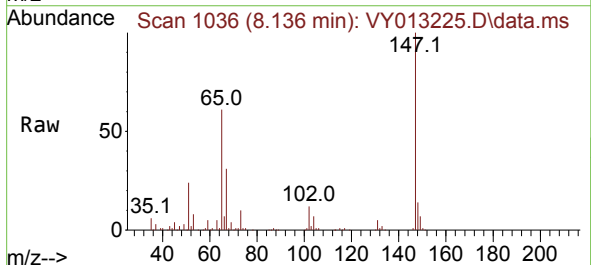
Instrument :
MSVOA_Y
ClientSampleId :
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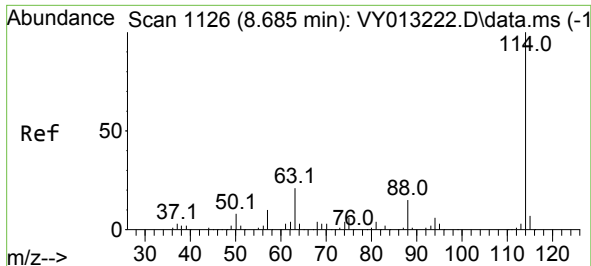
Tgt Ion: 56 Resp: 1699
Ion Ratio Lower Upper
56 100
69 105.2 25.7 38.5#
84 82.6 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 54.130 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

Tgt Ion: 65 Resp: 47047
Ion Ratio Lower Upper
65 100
67 54.2 0.0 104.0

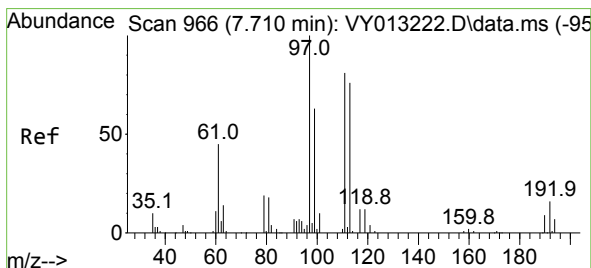
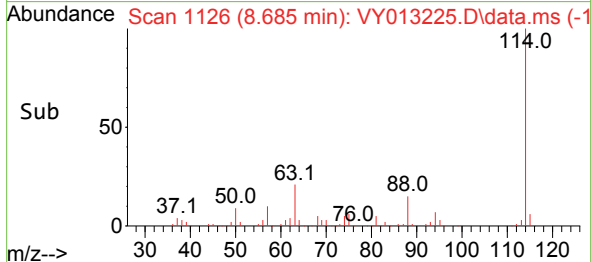
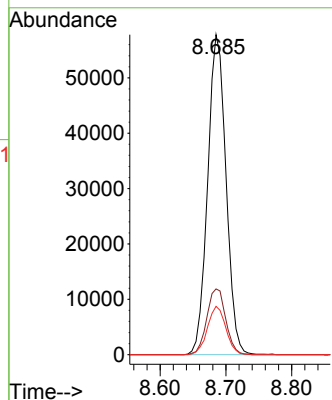
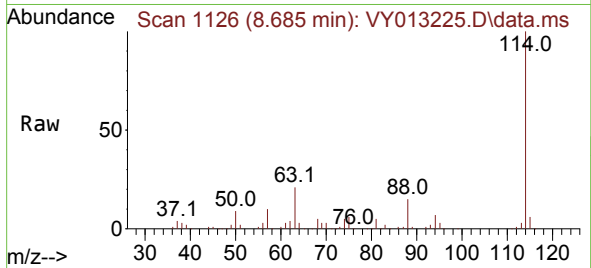




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

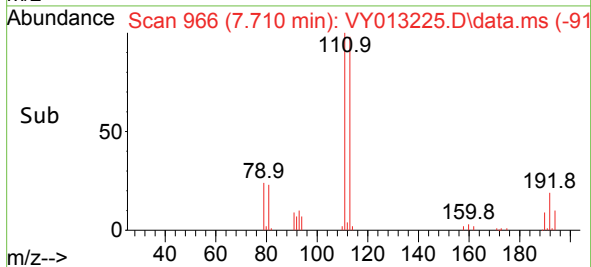
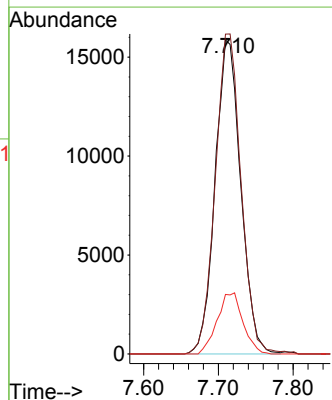
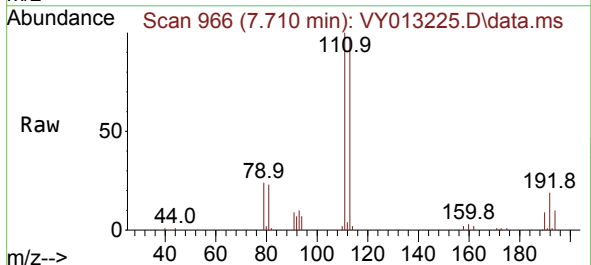
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

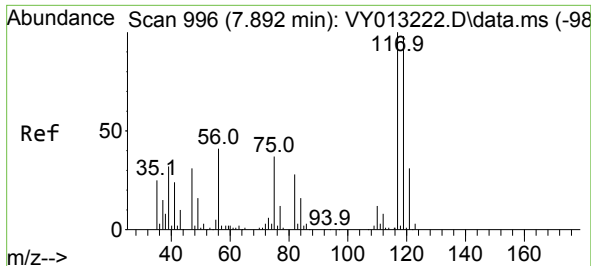
Tgt Ion:114 Resp: 112359
Ion Ratio Lower Upper
114 100
63 20.5 0.0 37.4
88 15.1 0.0 28.6



#35
Dibromofluoromethane
Concen: 48.047 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

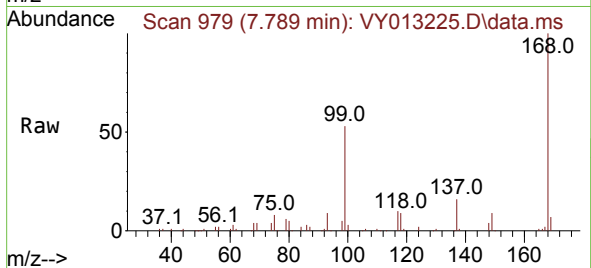
Tgt Ion:113 Resp: 37835
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.6 16.8 25.2



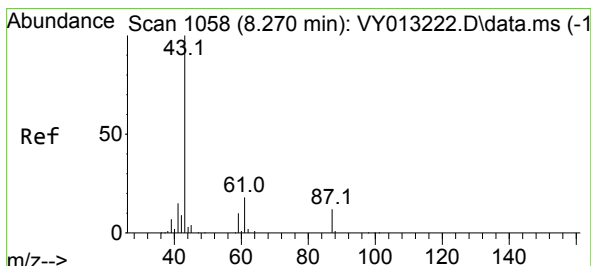
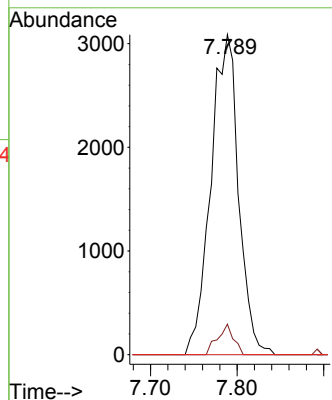
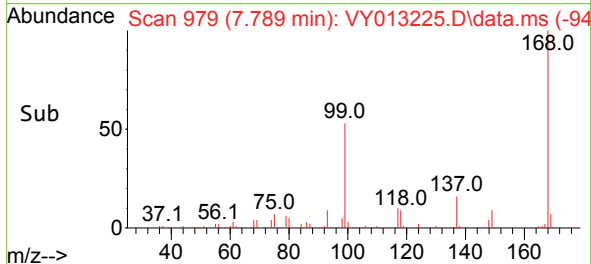


#38
Carbon Tetrachloride
Concen: 5.196 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

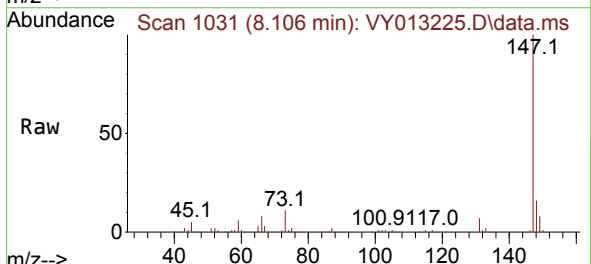
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK



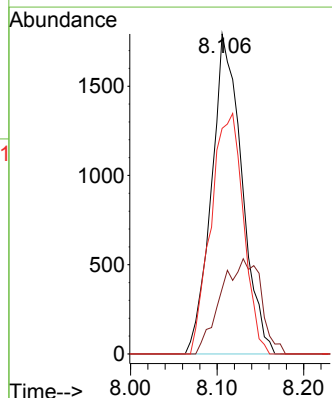
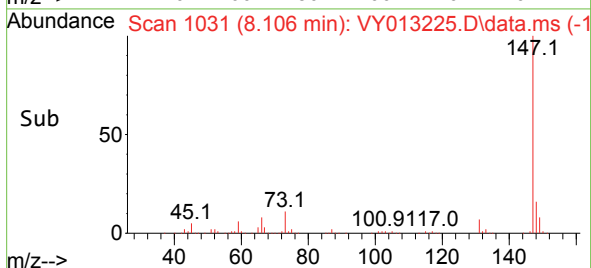
Tgt Ion:117 Resp: 6879
Ion Ratio Lower Upper
117 100
119 9.6 77.2 115.8#
121 0.0 24.7 37.1#

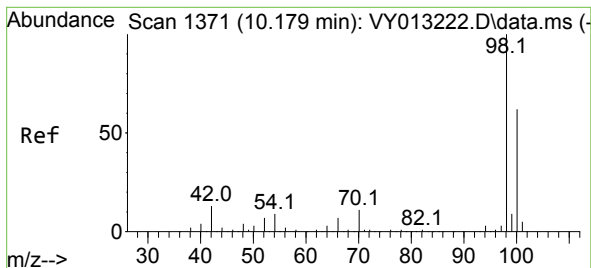


#43
Isopropyl Acetate
Concen: 2.569 ug/l
RT: 8.106 min Scan# 1031
Delta R.T. -0.165 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17



Tgt Ion: 43 Resp: 4374
Ion Ratio Lower Upper
43 100
61 0.0 21.6 32.4#
87 0.0 9.9 14.9#

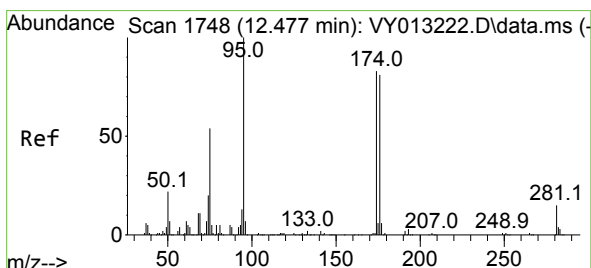
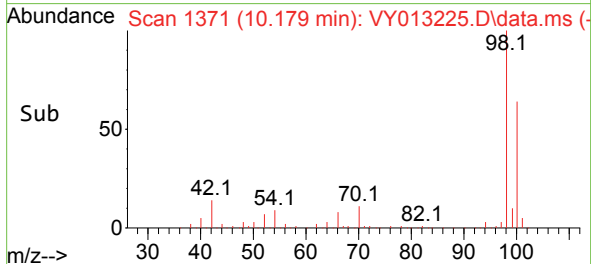
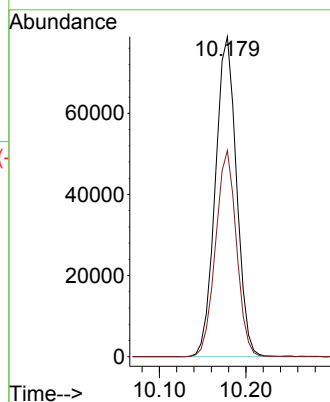
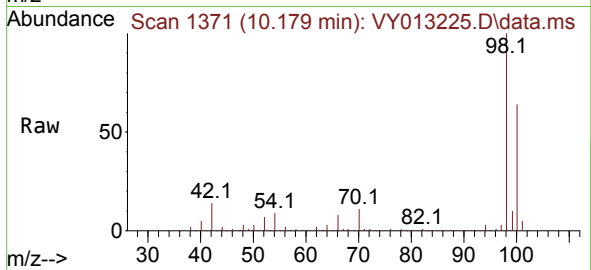




#50
Toluene-d8
Concen: 47.936 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

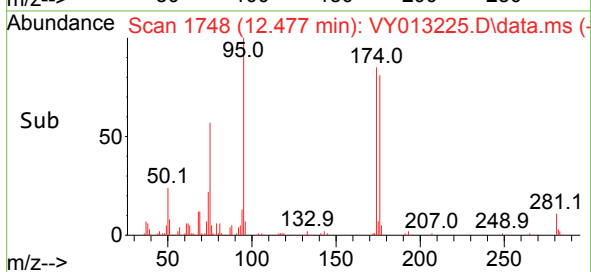
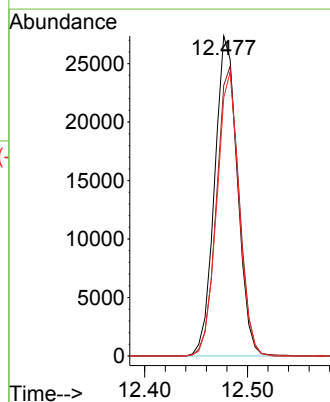
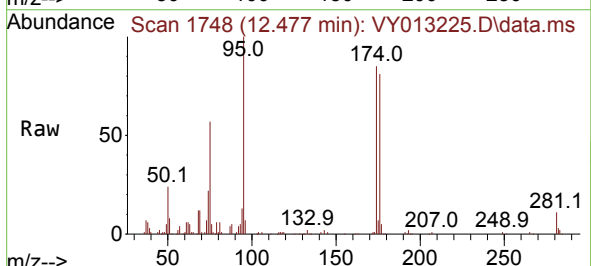
Instrument :
MSVOA_Y
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VIBLK

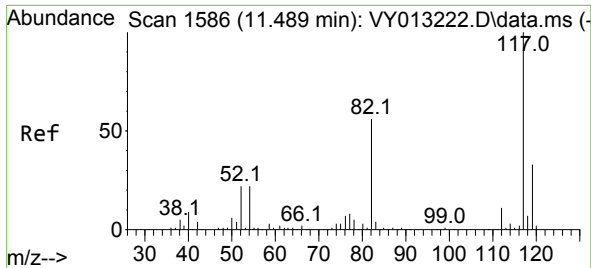
Tgt Ion: 98 Resp: 133909
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.551 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

Tgt Ion: 95 Resp: 41994
Ion Ratio Lower Upper
95 100
174 90.1 0.0 176.6
176 86.8 0.0 170.2

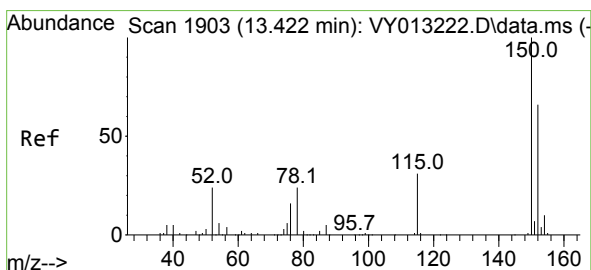
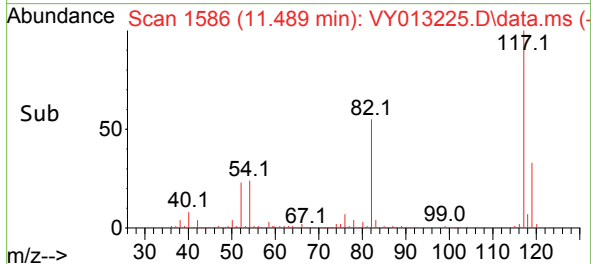
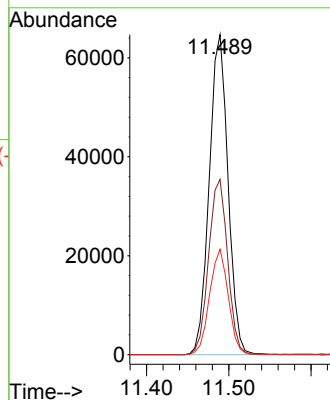
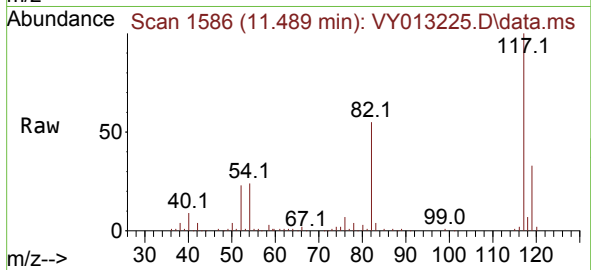




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

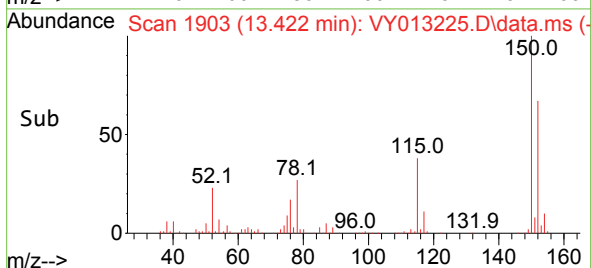
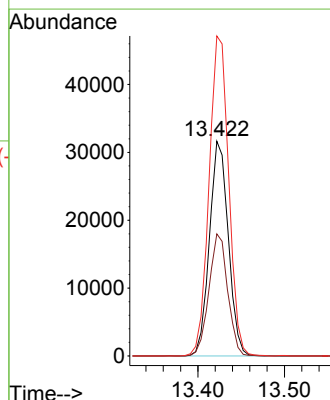
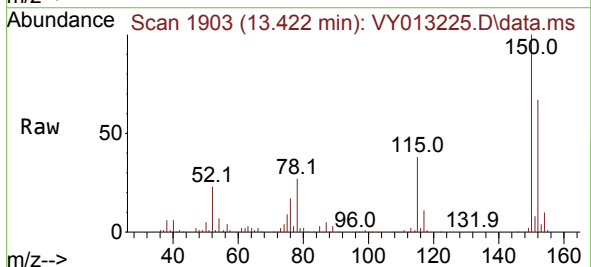
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

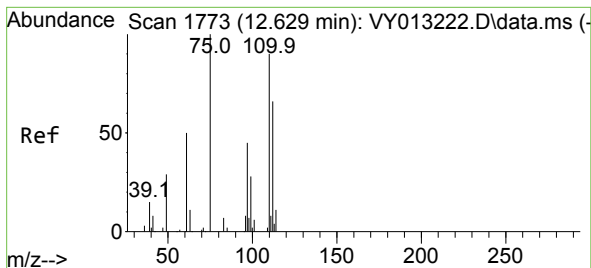
Tgt Ion:117 Resp: 102852
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.0
119 32.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013225.D
Acq: 07 Apr 2023 19:17

Tgt Ion:152 Resp: 47848
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 154.9 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 36.350 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013225.D

Acq: 07 Apr 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

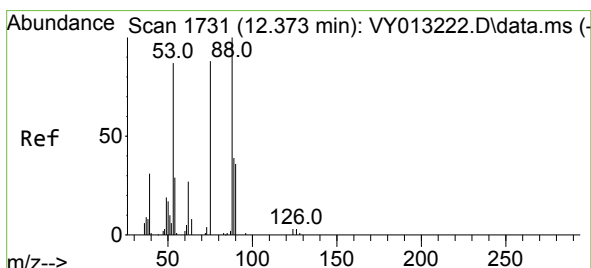
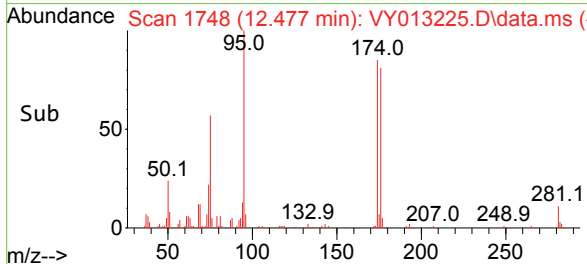
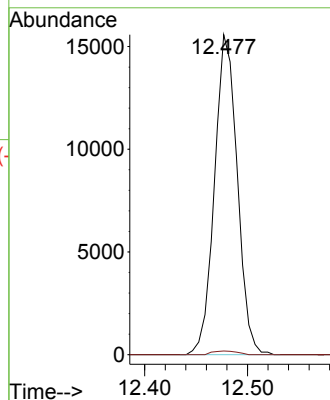
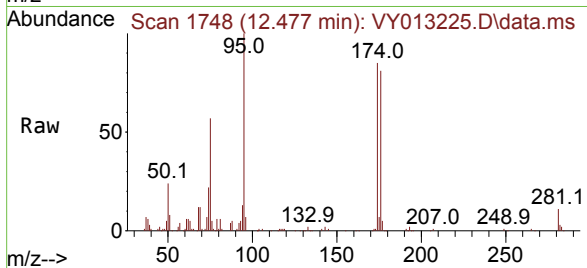
VIBLK

Tgt Ion: 75 Resp: 23974

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.847 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY013225.D

Acq: 07 Apr 2023 19:17

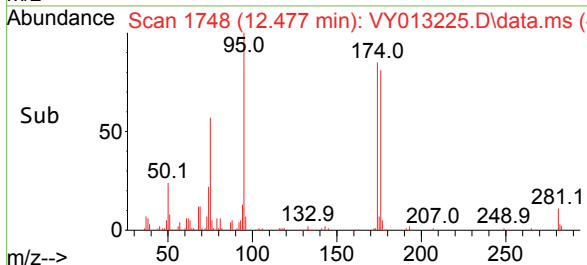
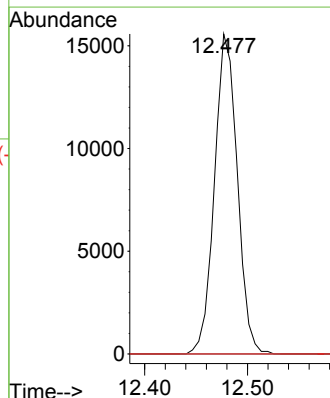
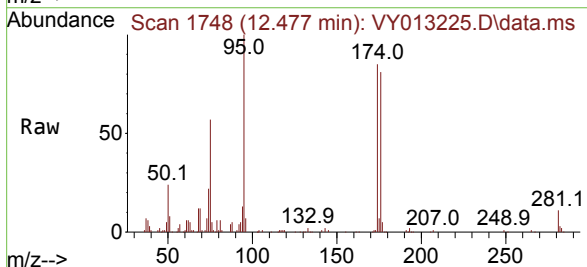
Tgt Ion: 75 Resp: 23974

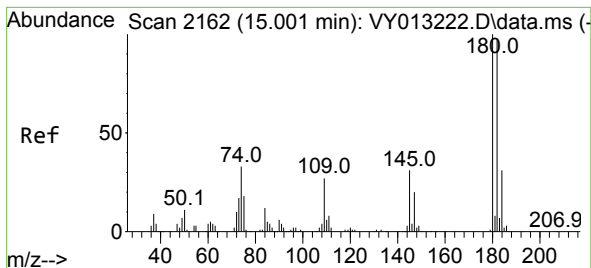
Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.0#

89 0.0 36.6 55.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.266 ug/l

RT: 15.007 min Scan# 2162

Delta R.T. 0.006 min

Lab File: VY013225.D

Acq: 07 Apr 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

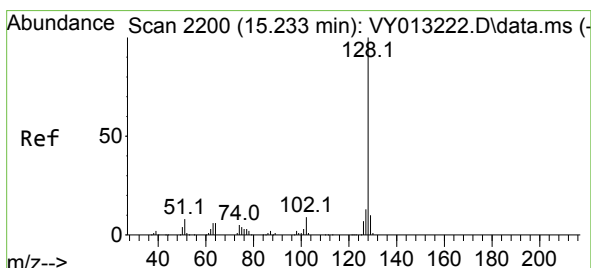
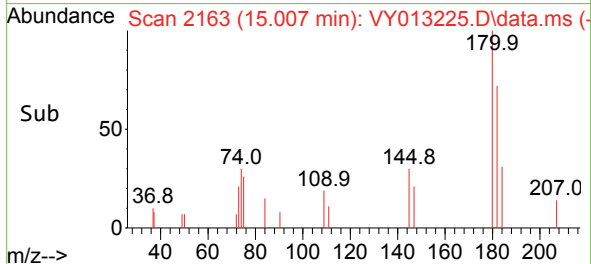
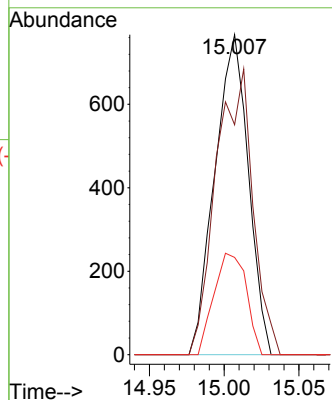
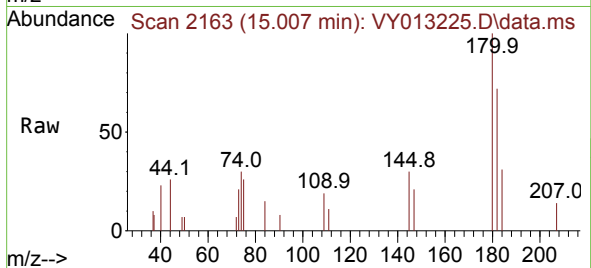
Tgt Ion:180 Resp: 1194

Ion Ratio Lower Upper

180 100

182 97.7 46.7 140.1

145 30.6 14.6 43.8



#95

Naphthalene

Concen: 1.513 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY013225.D

Acq: 07 Apr 2023 19:17

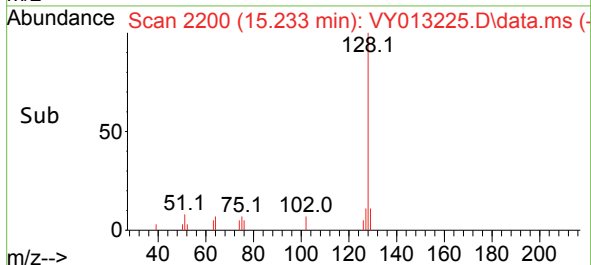
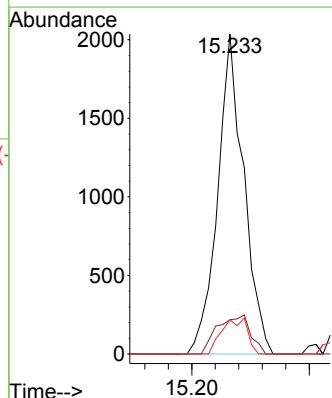
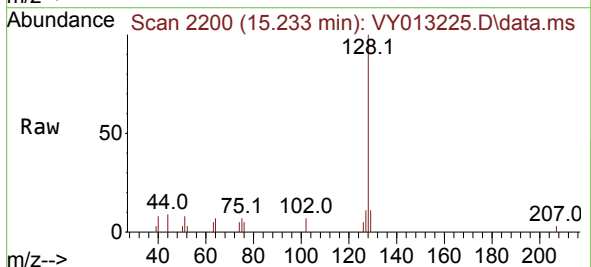
Tgt Ion:128 Resp: 3149

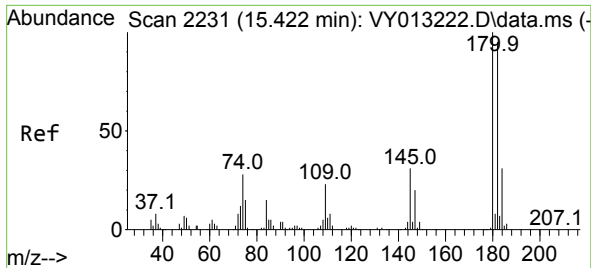
Ion Ratio Lower Upper

128 100

127 15.2 10.3 15.5

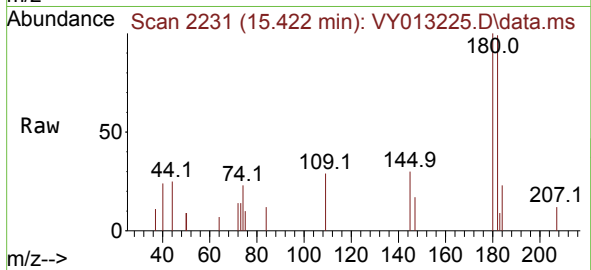
129 10.9 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.606 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY013225.D
 Acq: 07 Apr 2023 19:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	1408
Ion	Ratio	Lower	Upper
180	100		
182	89.6	47.4	142.3
145	32.5	15.3	45.8

