

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012424\
 Data File : VY017099.D
 Acq On : 24 Jan 2024 19:02
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

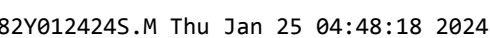
Quant Time: Jan 25 04:48:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:44:10 2024
 Response via : Initial Calibration

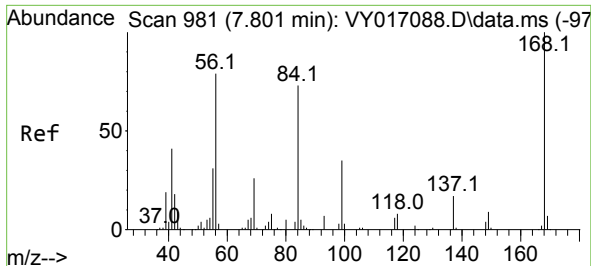
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.807	168	97753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	204339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	191873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	71680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	43827	46.017	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.040%
35) Dibromofluoromethane	7.734	113	47861	38.808	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.620%
50) Toluene-d8	10.197	98	179724	38.583	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	77.160%
62) 4-Bromofluorobenzene	12.495	95	56007	39.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.060%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	237	Below Cal	#	40
3) Chloromethane	2.131	50	205	Below Cal	#	41
4) Vinyl Chloride	2.247	62	39	Below Cal	#	43
5) Bromomethane	2.674	94	565	Below Cal	#	44
7) Trichlorofluoromethane	3.143	101	268	Below Cal	#	68
11) Tert butyl alcohol	4.966	59	417	5.602 ug/l	#	75
16) Acetone	3.972	43	1112	Below Cal		99
20) Methylene Chloride	4.741	84	20203	14.801 ug/l		99
25) 2-Butanone	7.008	43	430	Below Cal	#	48
31) Cyclohexane	7.801	56	2222	Below Cal	#	7
36) 1,1-Dichloropropene	7.807	75	8766	4.320 ug/l	#	50
38) Carbon Tetrachloride	7.807	117	9925	4.991 ug/l	#	17
76) 1,2,3-Trichloropropane	12.495	75	29811	34.263 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.495	75	29811	88.704 ug/l	#	12

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

Quant Time: Jan 25 04:48:08 2024
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Response via : Initial Calibration

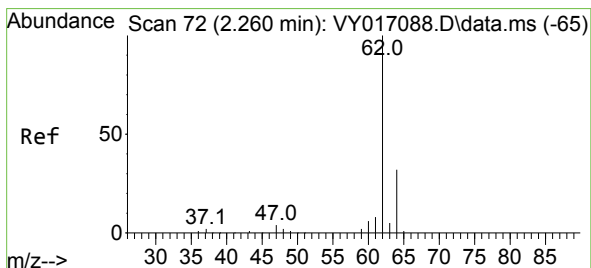
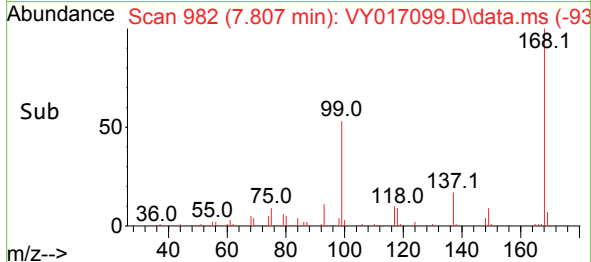
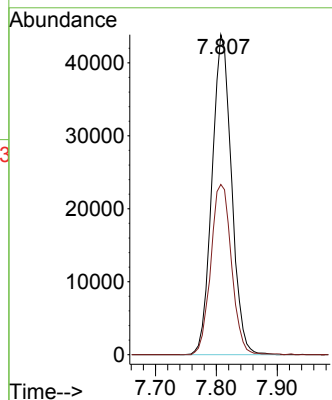
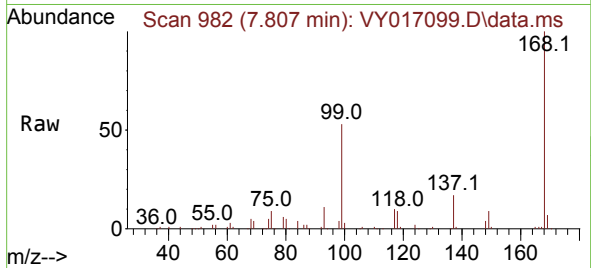




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

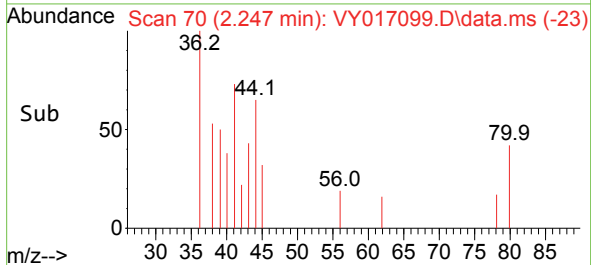
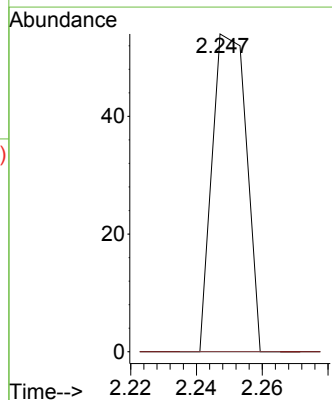
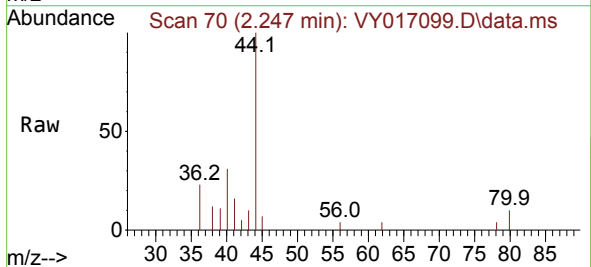
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

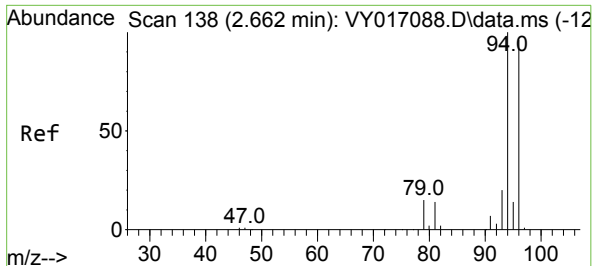
Tgt Ion:168 Resp: 97753
Ion Ratio Lower Upper
168 100
99 53.2 44.2 66.4



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.012 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

Tgt Ion: 62 Resp: 39
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#

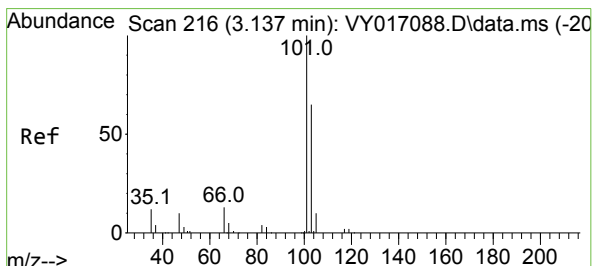
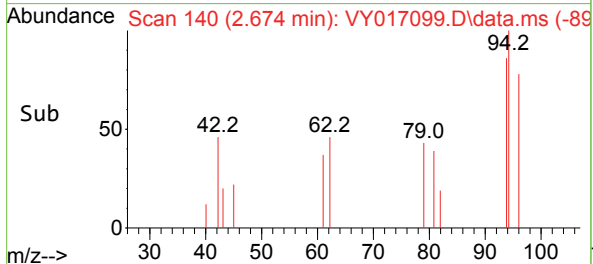
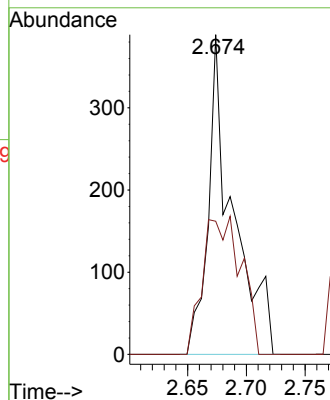
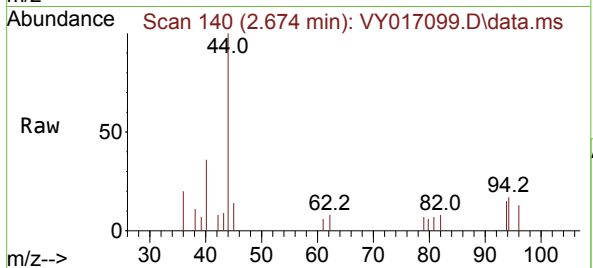




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

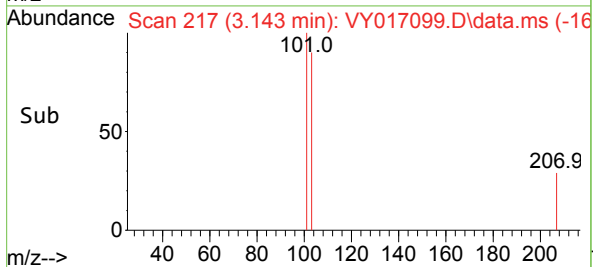
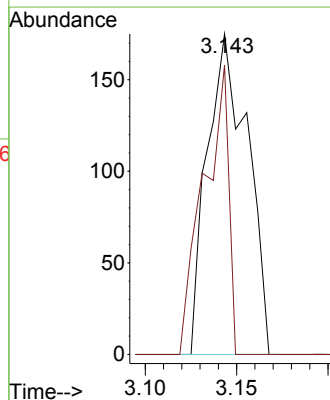
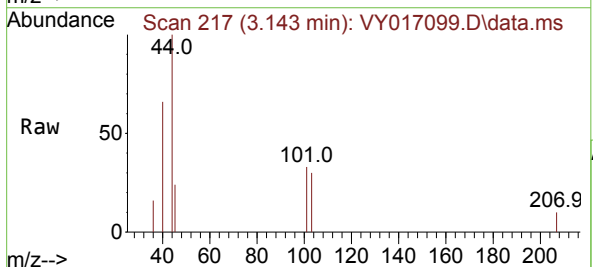
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

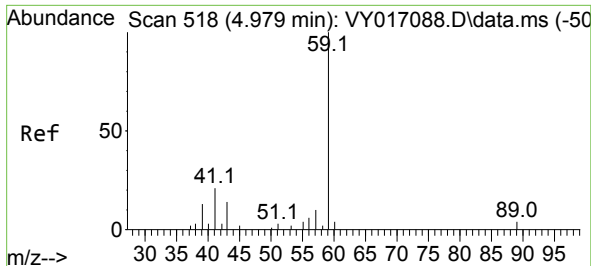
Tgt Ion: 94 Resp: 565
Ion Ratio Lower Upper
94 100
96 41.6 77.3 115.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.143 min Scan# 217
Delta R.T. 0.006 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

Tgt Ion: 101 Resp: 268
Ion Ratio Lower Upper
101 100
103 90.3 51.9 77.9#

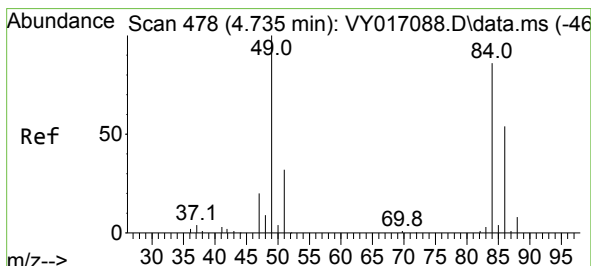
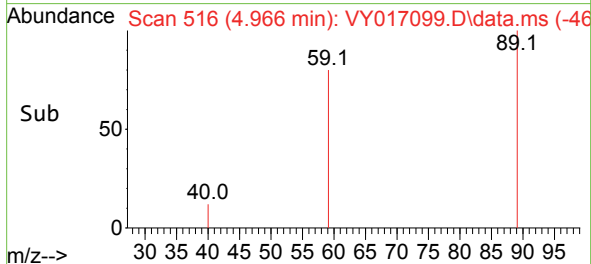
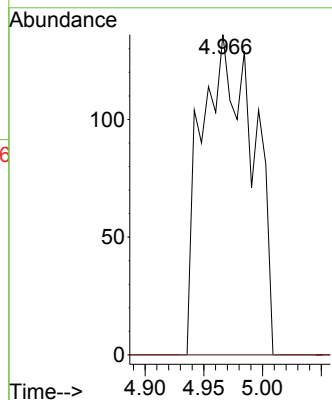
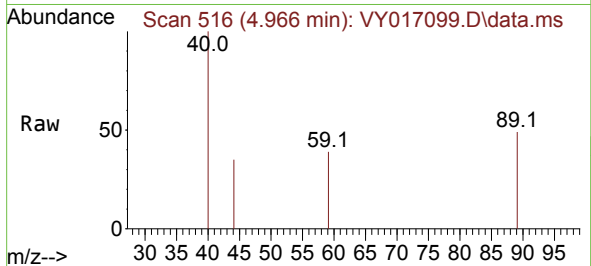




#11
Tert butyl alcohol
Concen: 5.602 ug/l
RT: 4.966 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

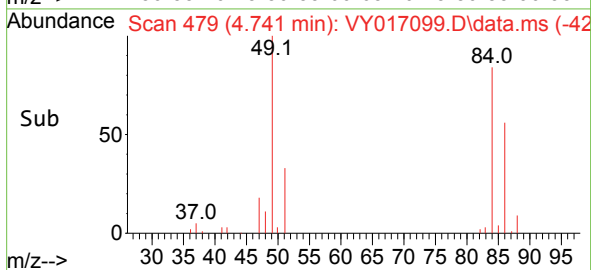
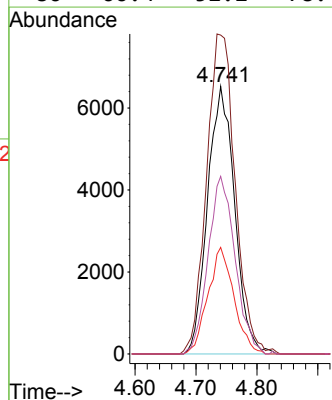
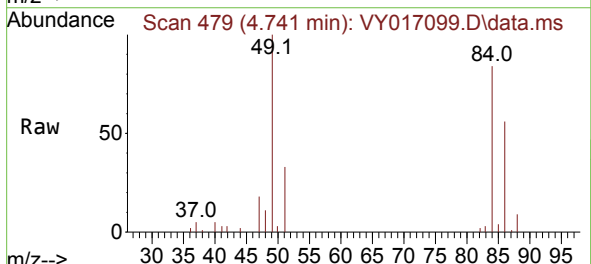
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

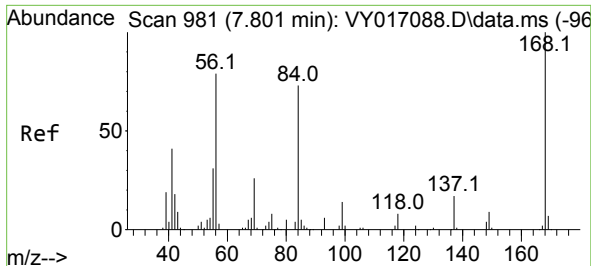
Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 14.801 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.007 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

Tgt Ion: 84 Resp: 20203
Ion Ratio Lower Upper
84 100
49 119.2 95.2 142.8
51 39.8 29.9 44.9
86 66.4 52.2 78.4

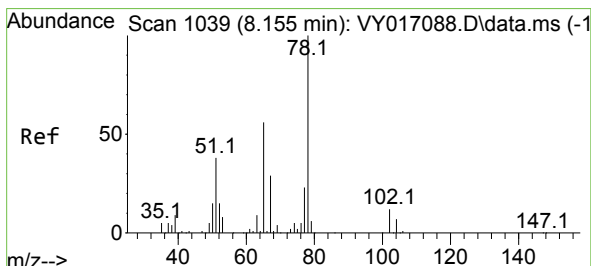
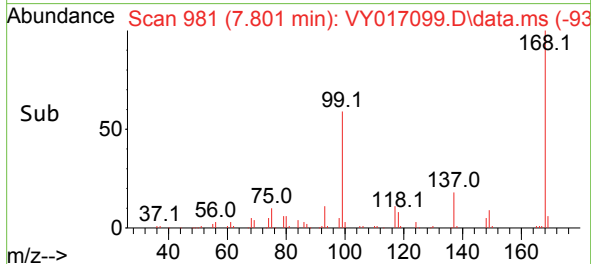
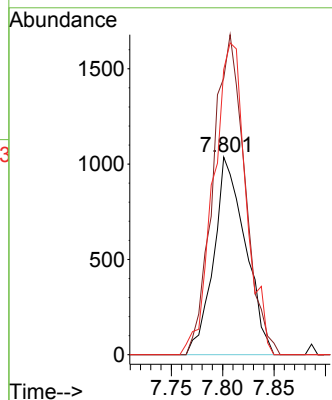
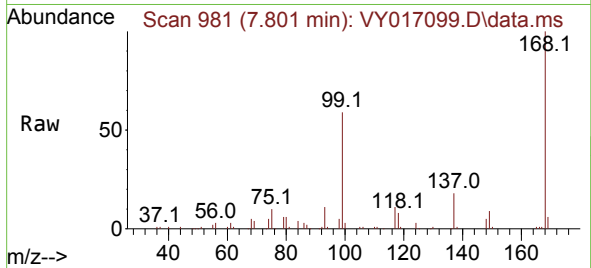




#31
Cyclohexane
Concen: Below Cal
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

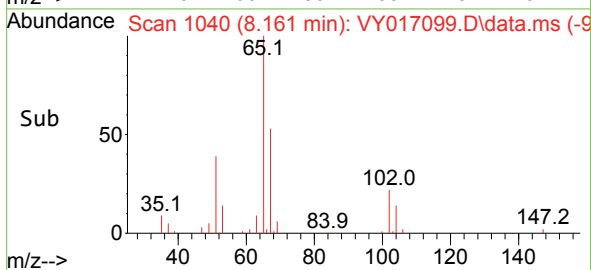
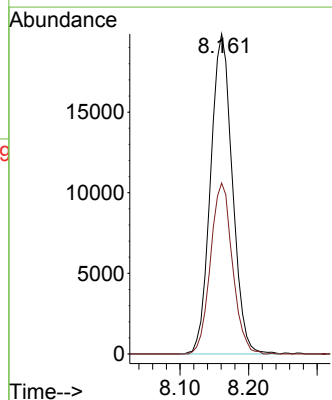
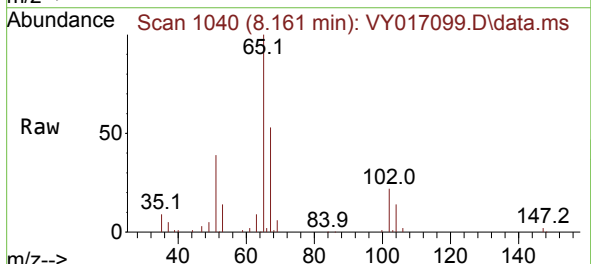
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

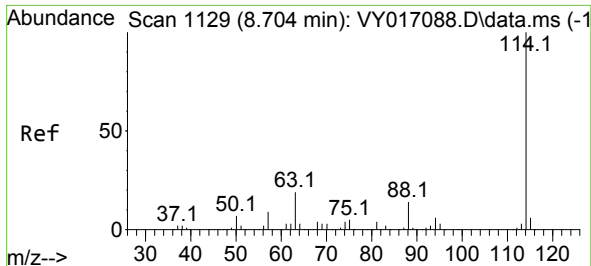
Tgt Ion: 56 Resp: 2222
Ion Ratio Lower Upper
56 100
69 139.9 27.0 40.6#
84 144.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 46.017 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

Tgt Ion: 65 Resp: 43827
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY017099.D

Acq: 24 Jan 2024 19:02

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

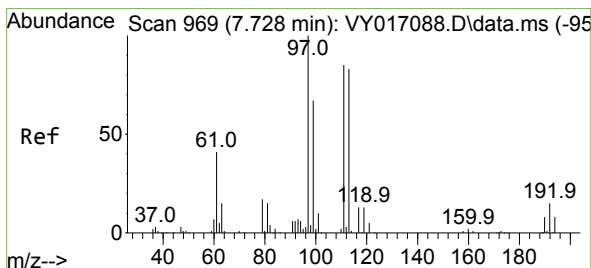
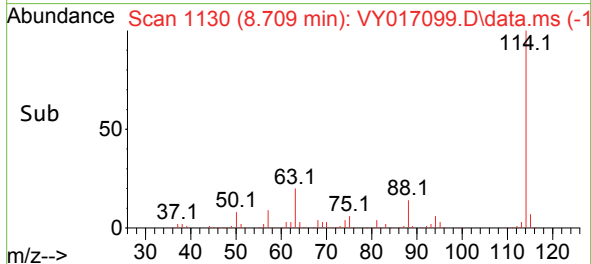
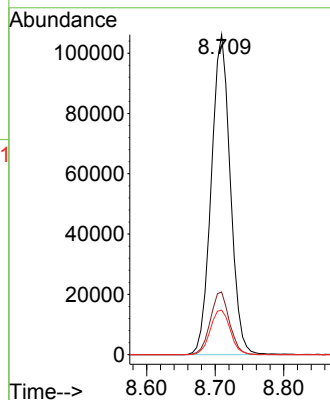
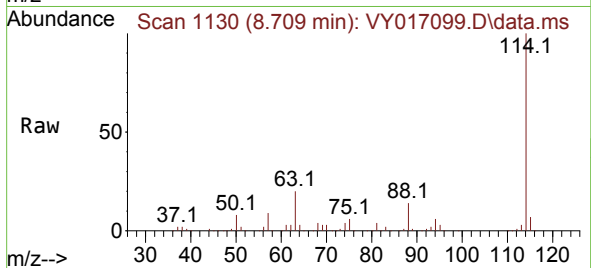
Tgt Ion:114 Resp: 204339

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 13.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 38.808 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017099.D

Acq: 24 Jan 2024 19:02

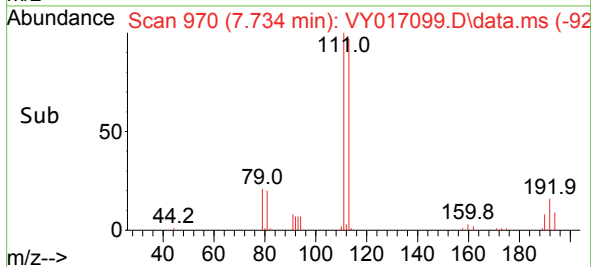
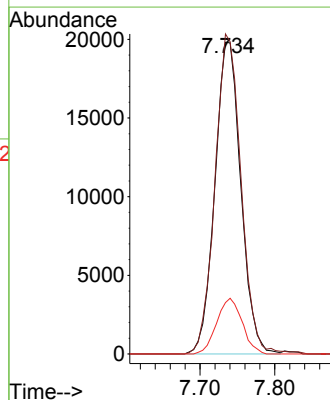
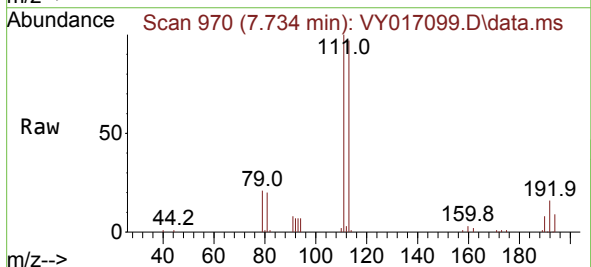
Tgt Ion:113 Resp: 47861

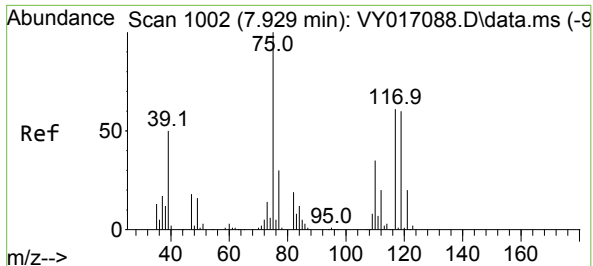
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 17.5 14.5 21.7

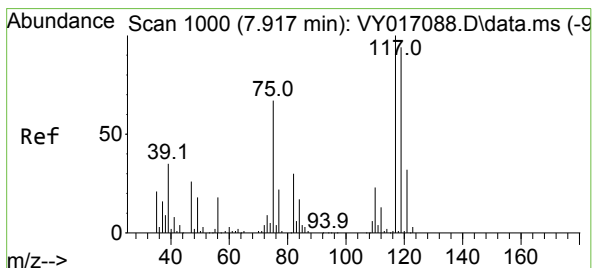
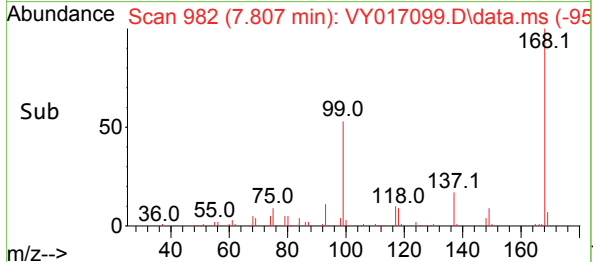
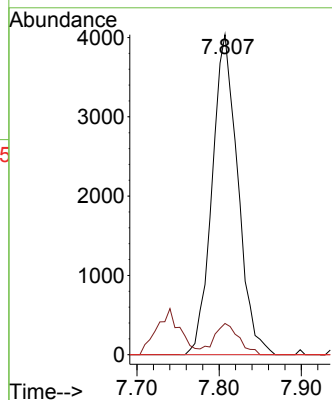
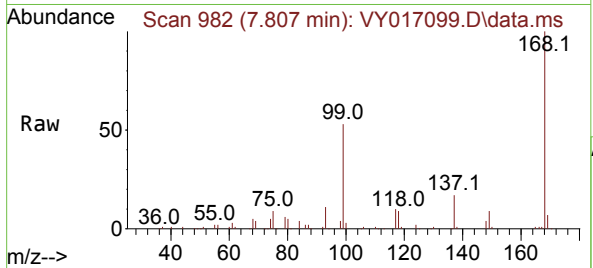




#36
1,1-Dichloropropene
Concen: 4.320 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

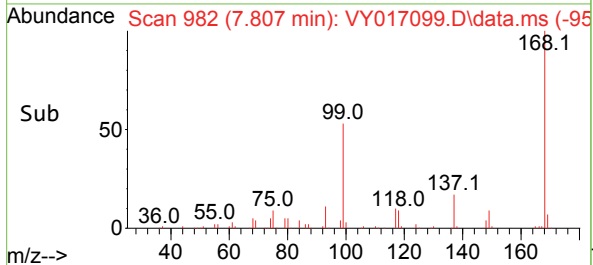
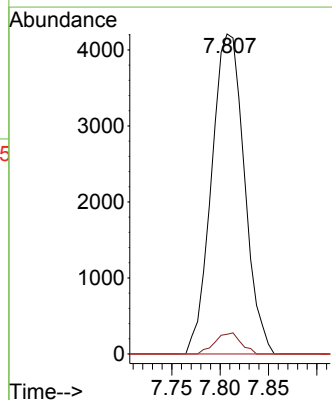
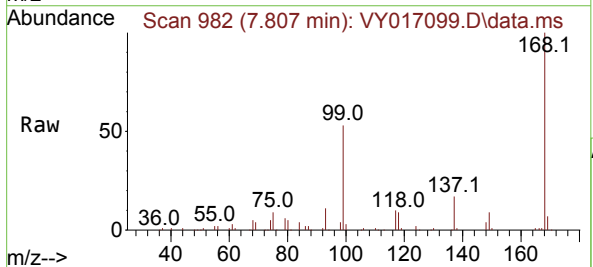
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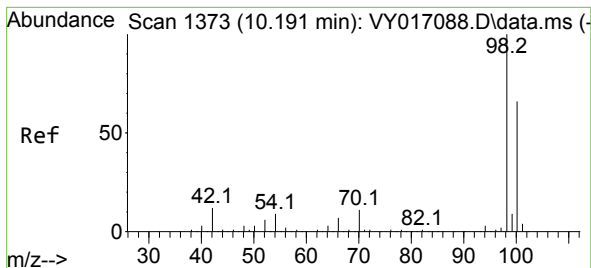
Tgt Ion: 75 Resp: 8766
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.991 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY017099.D
Acq: 24 Jan 2024 19:02

Tgt Ion: 117 Resp: 9925
Ion Ratio Lower Upper
117 100
119 6.2 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 38.583 ug/l

RT: 10.197 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017099.D

Acq: 24 Jan 2024 19:02

Instrument :

MSVOA_Y

ClientSampleId :

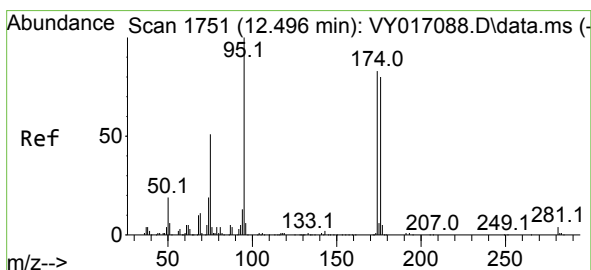
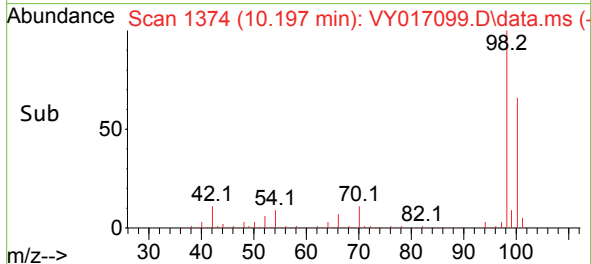
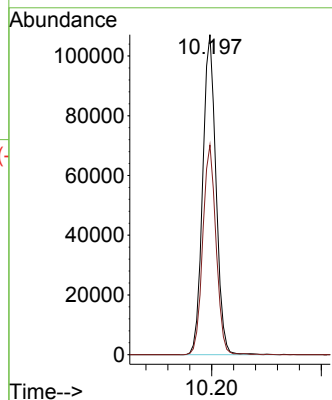
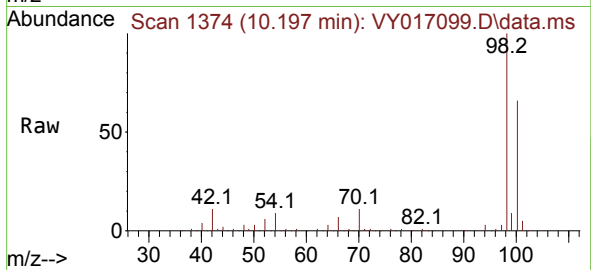
VIBLK

Tgt Ion: 98 Resp: 179724

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 39.030 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY017099.D

Acq: 24 Jan 2024 19:02

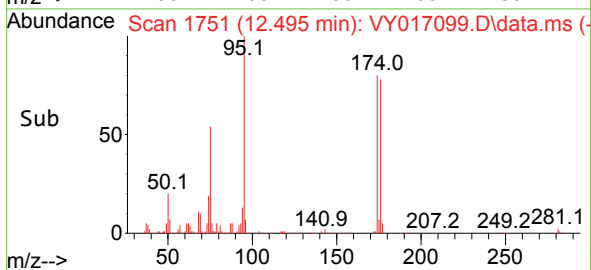
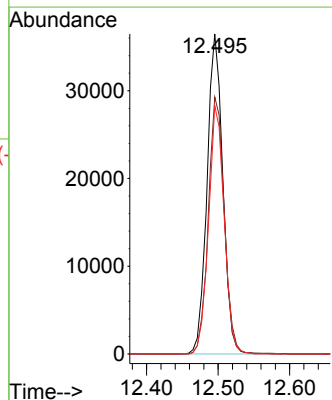
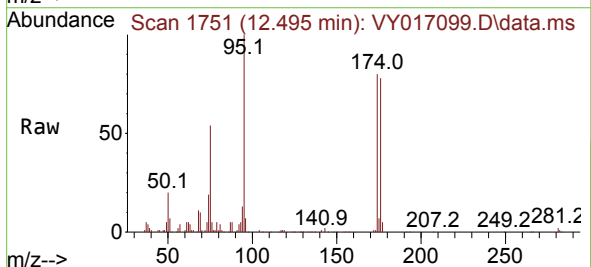
Tgt Ion: 95 Resp: 56007

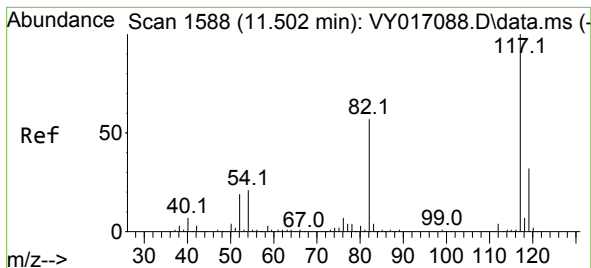
Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.0

176 76.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017099.D

Acq: 24 Jan 2024 19:02

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

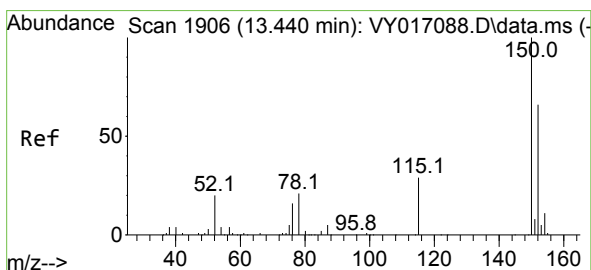
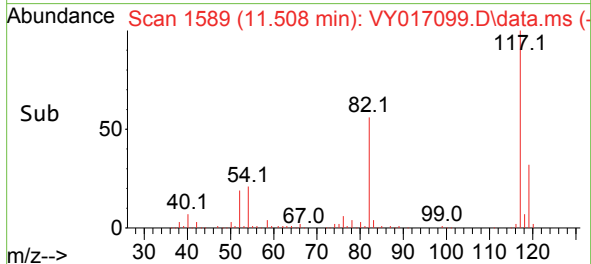
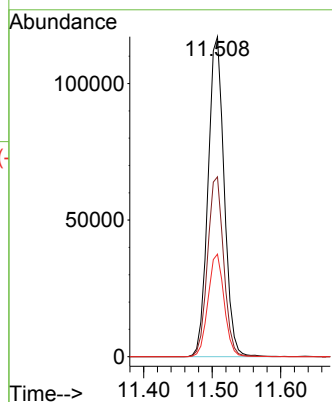
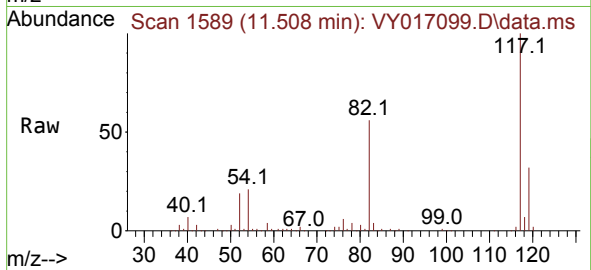
Tgt Ion:117 Resp: 191873

Ion Ratio Lower Upper

117 100

82 56.2 43.8 65.8

119 32.0 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY017099.D

Acq: 24 Jan 2024 19:02

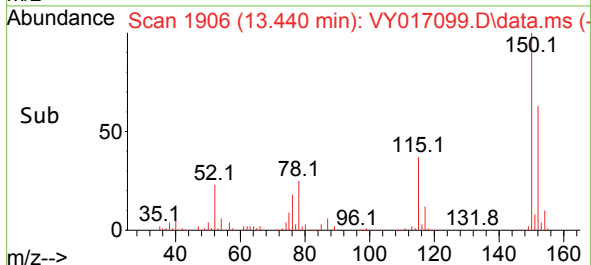
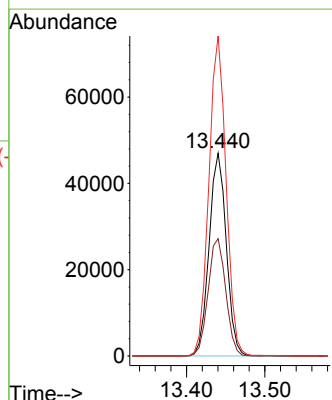
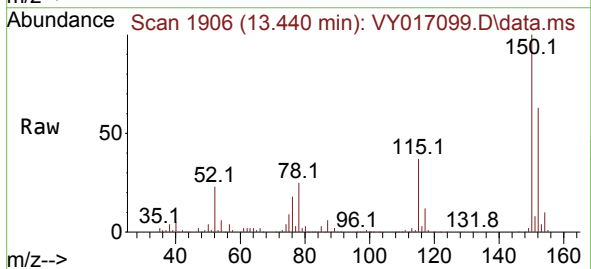
Tgt Ion:152 Resp: 71680

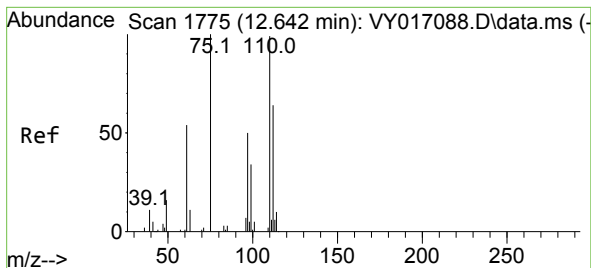
Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

150 157.4 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 34.263 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY017099.D

Acq: 24 Jan 2024 19:02

Instrument :

MSVOA_Y

ClientSampleId :

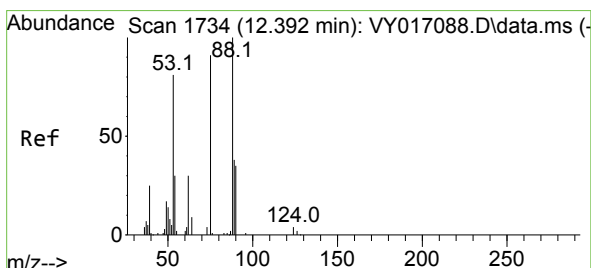
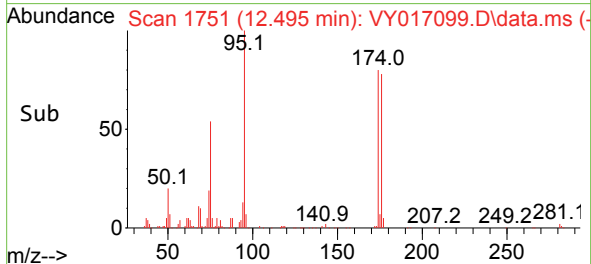
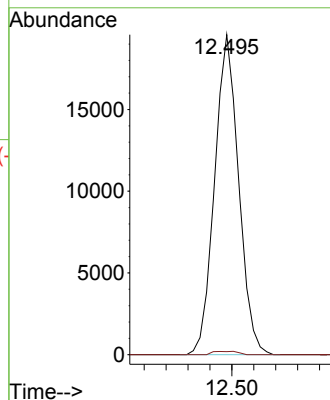
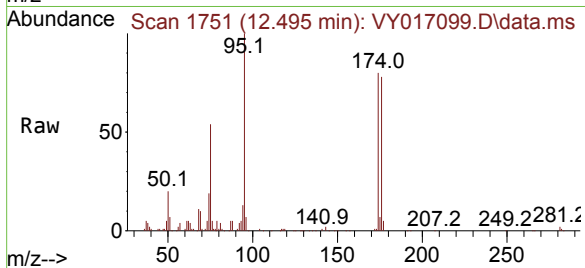
VIBLK

Tgt Ion: 75 Resp: 29811

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.704 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.110 min

Lab File: VY017099.D

Acq: 24 Jan 2024 19:02

Tgt Ion: 75 Resp: 29811

Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#

