

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022323\
 Data File : VY012703.D
 Acq On : 23 Feb 2023 13:07
 Operator : KP/MD
 Sample : 01660-01
 Misc : 4.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 QAQC-COMP-1

Quant Time: Feb 23 23:53:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

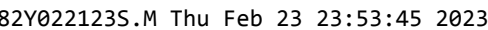
Internal Standards						
1) Pentafluorobenzene	7.789	168	128544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	234426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111562	50.000	ug/l	0.00

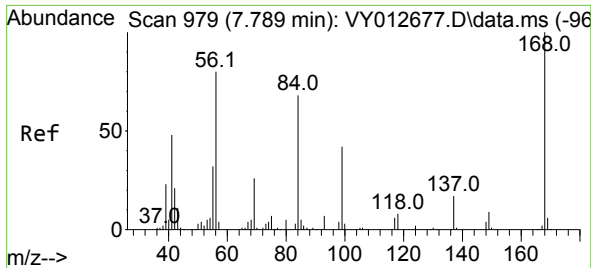
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	86995	57.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.600%
35) Dibromofluoromethane	7.715	113	80517	49.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.700%
50) Toluene-d8	10.178	98	290529	48.009	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.020%
62) 4-Bromofluorobenzene	12.483	95	100277	51.782	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.560%

Target Compounds					Qvalue	
3) Chloromethane	2.113	50	315	Below Cal	#	77
11) Tert butyl alcohol	4.942	59	837	5.040	ug/l #	74
16) Acetone	3.948	43	870	1.756	ug/l	94
20) Methylene Chloride	4.722	84	10636	1.007	ug/l	95
25) 2-Butanone	6.984	43	691	1.051	ug/l #	52
31) Cyclohexane	7.789	56	2972	1.127	ug/l #	21
36) 1,1-Dichloropropene	7.789	75	10060	3.929	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12371	4.673	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	52617	37.832	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52617	80.147	ug/l #	9

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

Quant Time: Feb 23 23:53:36 2023
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Quant Title : SW846 8260
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Response via : Initial Calibration

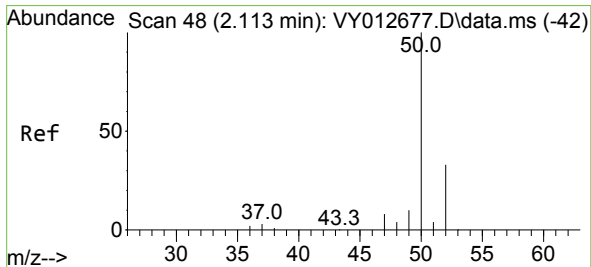
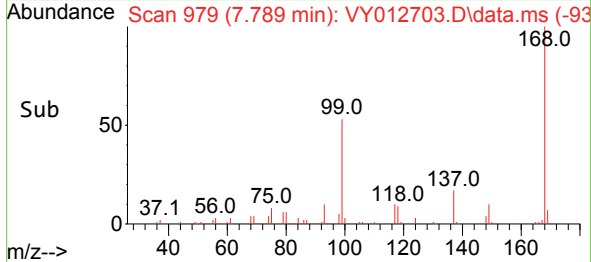
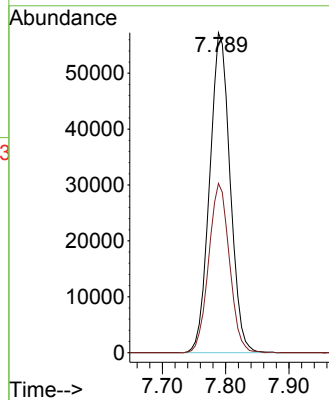
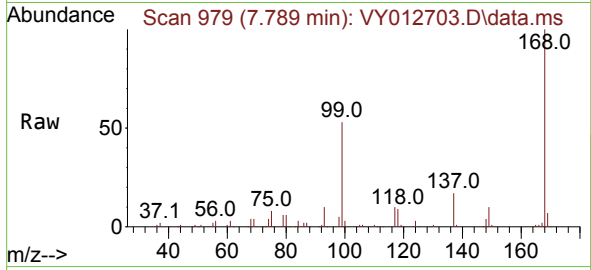




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

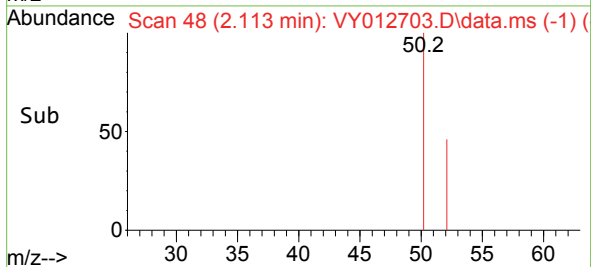
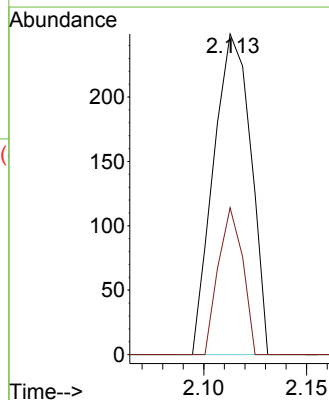
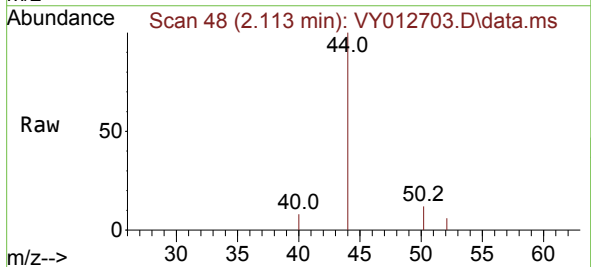
Instrument :
MSVOA_Y
ClientSampleId :
QAQC-COMP-1

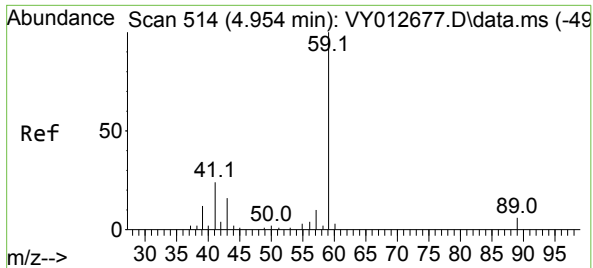
Tgt Ion:168 Resp: 128544
Ion Ratio Lower Upper
168 100
99 52.9 45.4 68.2



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

Tgt Ion: 50 Resp: 315
Ion Ratio Lower Upper
50 100
52 45.8 26.1 39.1#

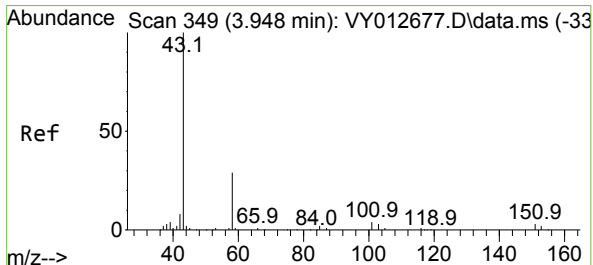
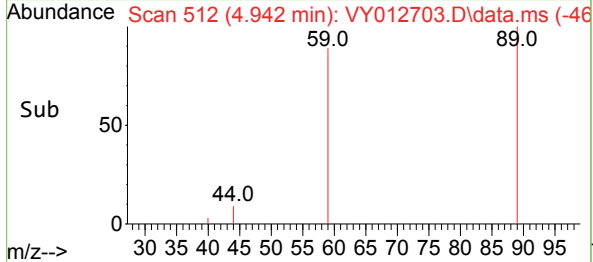
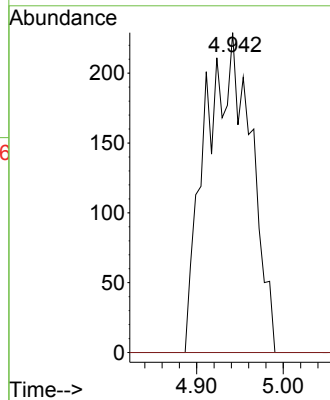
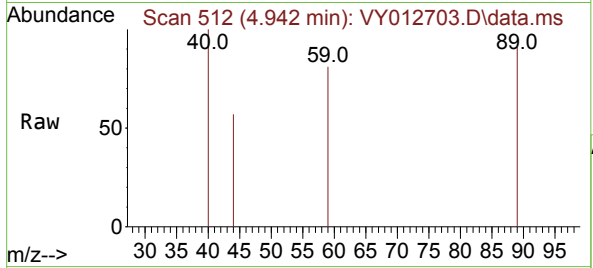




#11
Tert butyl alcohol
Concen: 5.040 ug/l
RT: 4.942 min Scan# 514
Delta R.T. -0.013 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

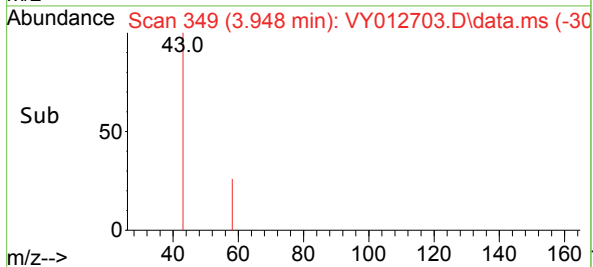
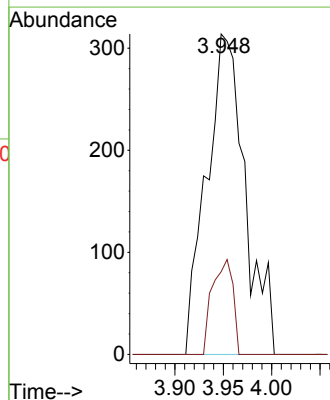
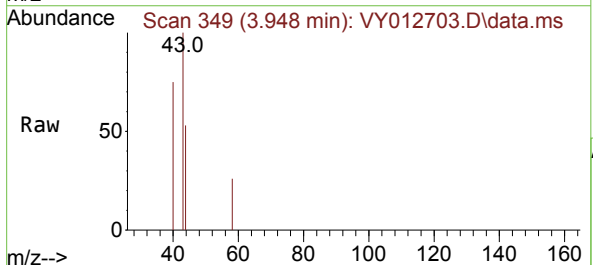
Instrument :
MSVOA_Y
ClientSampleId :
QAQC-COMP-1

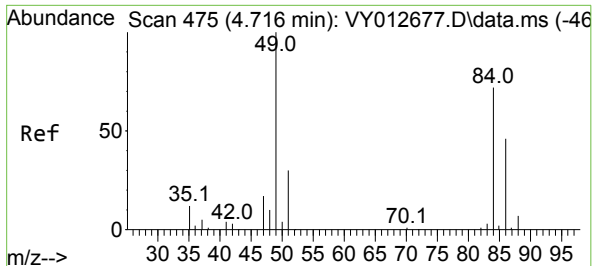
Tgt Ion: 59 Resp: 837
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 1.756 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
58 25.8 23.3 34.9





#20

Methylene Chloride

Concen: 1.007 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY012703.D

Acq: 23 Feb 2023 13:07

Instrument :

MSVOA_Y

ClientSampleId :

QAQC-COMP-1

Tgt Ion: 84 Resp: 10636

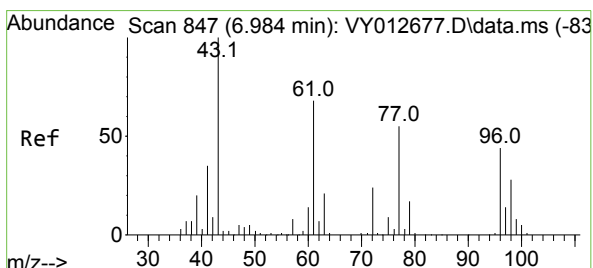
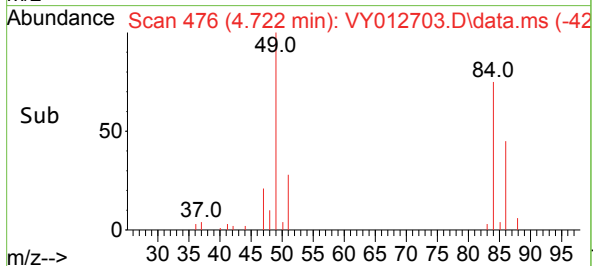
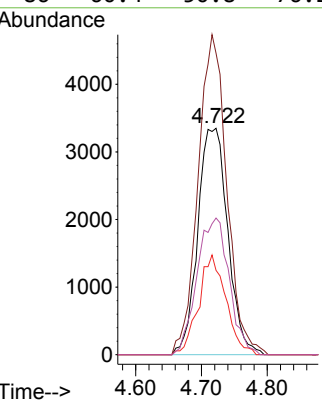
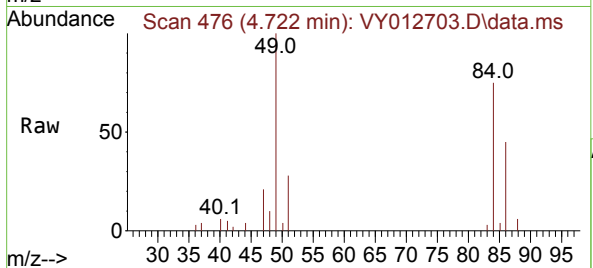
Ion Ratio Lower Upper

84 100

49 133.2 111.1 166.7

51 37.2 33.5 50.3

86 60.4 50.8 76.2



#25

2-Butanone

Concen: 1.051 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY012703.D

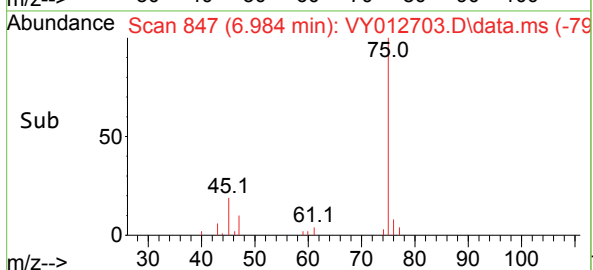
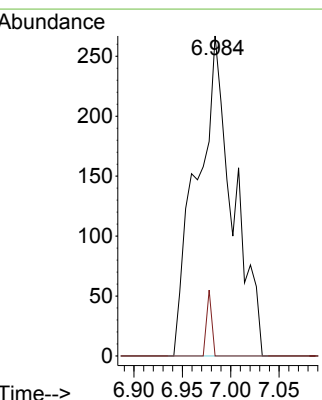
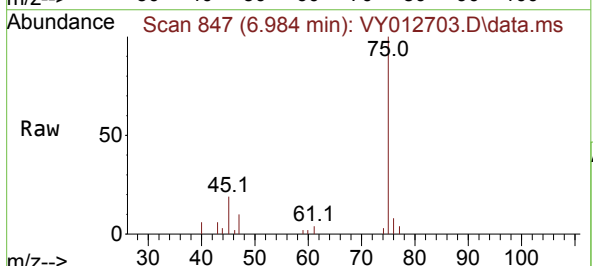
Acq: 23 Feb 2023 13:07

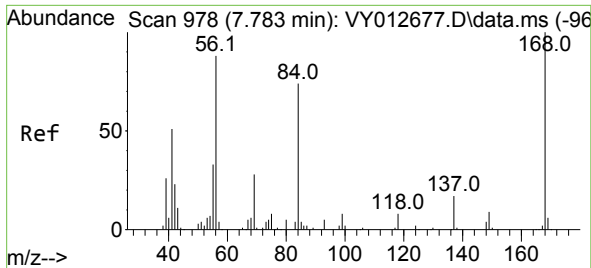
Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

72 0.0 18.8 28.2#

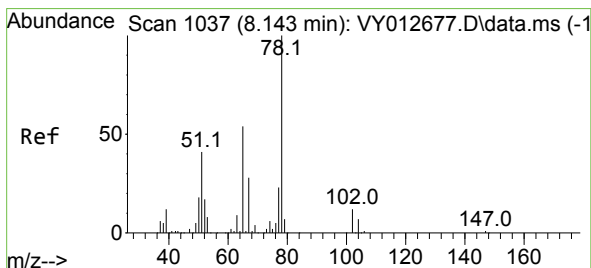
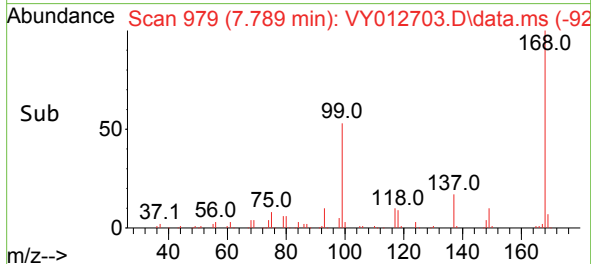
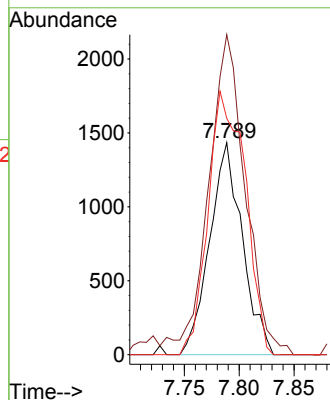
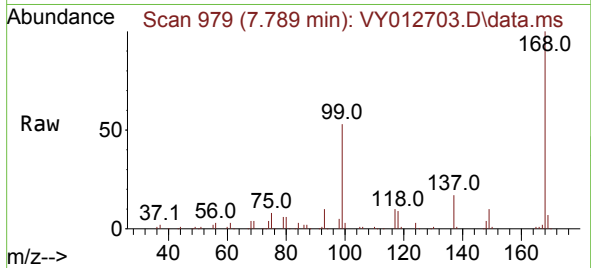




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

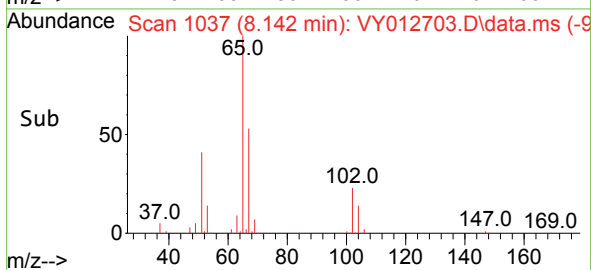
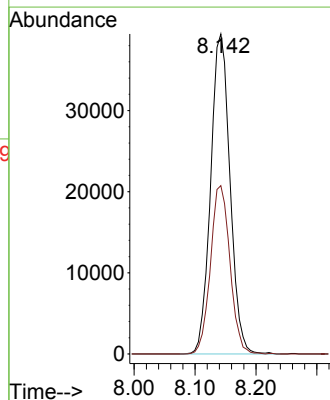
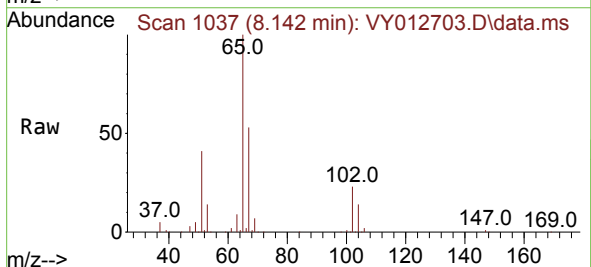
Instrument :
MSVOA_Y
ClientSampleId :
QAQC-COMP-1

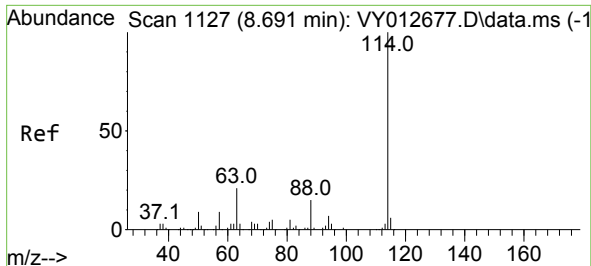
Tgt Ion: 56 Resp: 2972
Ion Ratio Lower Upper
56 100
69 146.9 25.4 38.2#
84 111.5 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 57.303 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

Tgt Ion: 65 Resp: 86995
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012703.D

Acq: 23 Feb 2023 13:07

Instrument :

MSVOA_Y

ClientSampleId :

QAQC-COMP-1

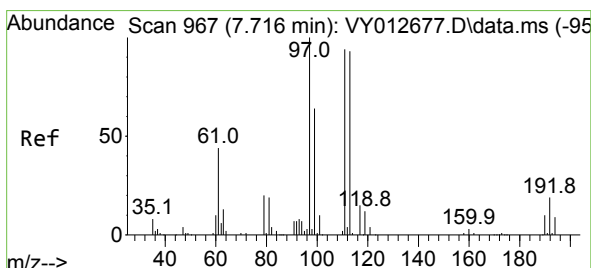
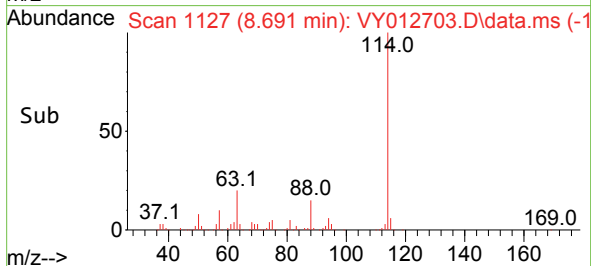
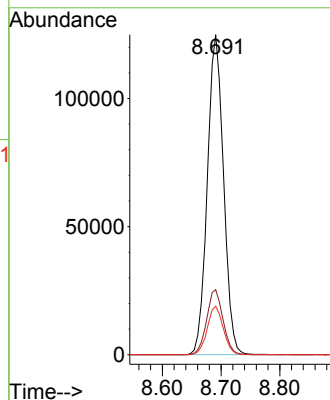
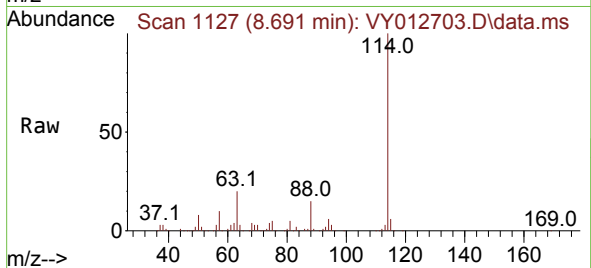
Tgt Ion:114 Resp: 239147

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

88 15.1 0.0 29.6



#35

Dibromofluoromethane

Concen: 49.847 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY012703.D

Acq: 23 Feb 2023 13:07

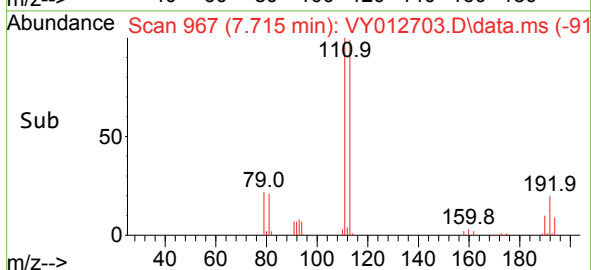
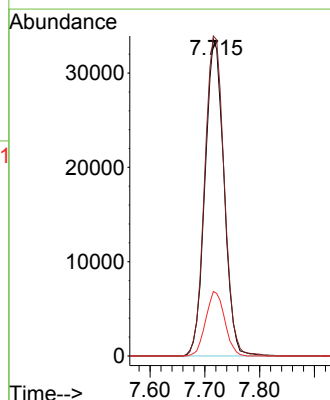
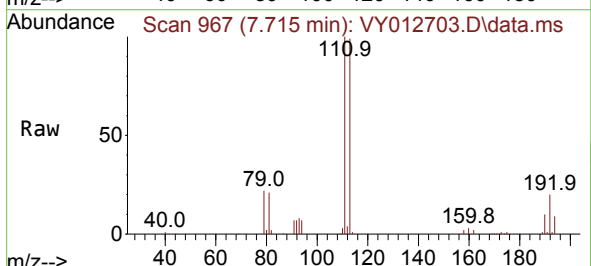
Tgt Ion:113 Resp: 80517

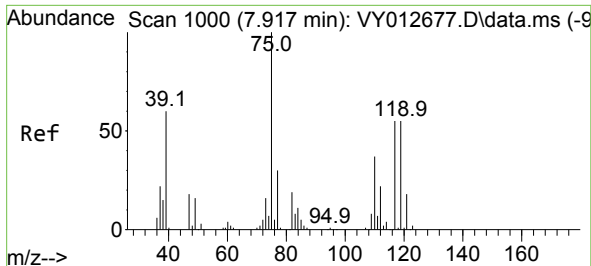
Ion Ratio Lower Upper

113 100

111 103.7 82.0 123.0

192 20.4 16.2 24.2

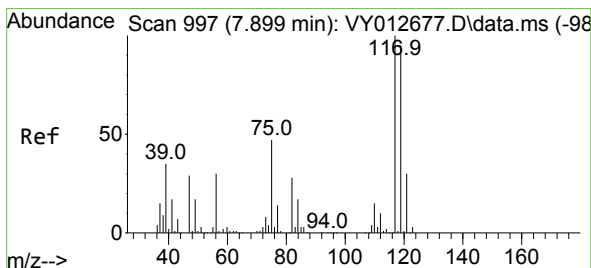
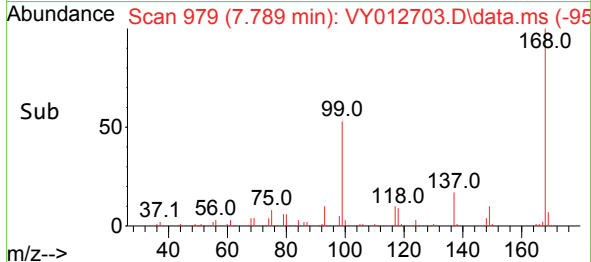
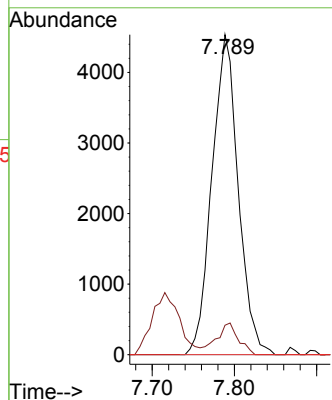
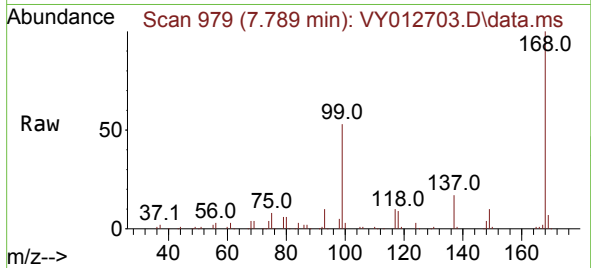




#36
1,1-Dichloropropene
Concen: 3.929 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

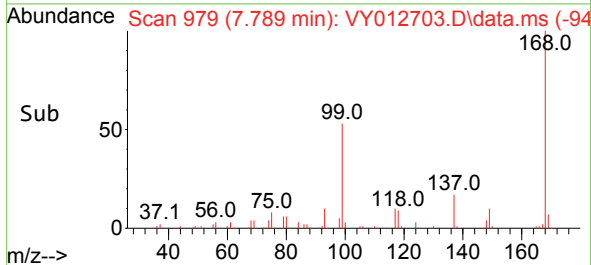
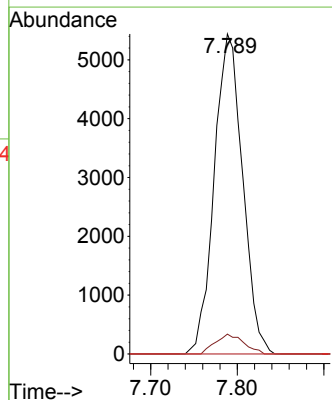
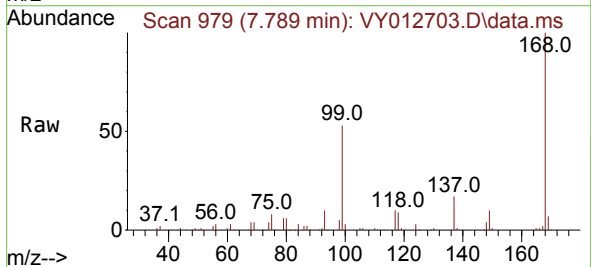
Instrument :
MSVOA_Y
ClientSampleId :
QAQC-COMP-1

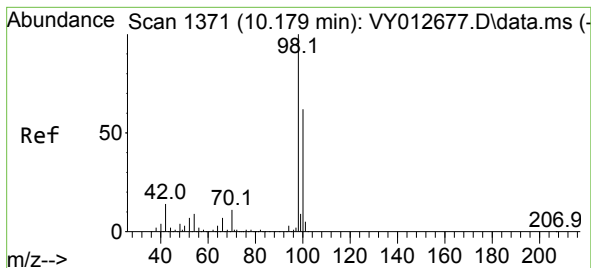
Tgt Ion: 75 Resp: 10060
Ion Ratio Lower Upper
75 100
110 8.3 17.6 52.8#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.673 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

Tgt Ion: 117 Resp: 12371
Ion Ratio Lower Upper
117 100
119 6.2 75.5 113.3#
121 0.0 23.8 35.8#

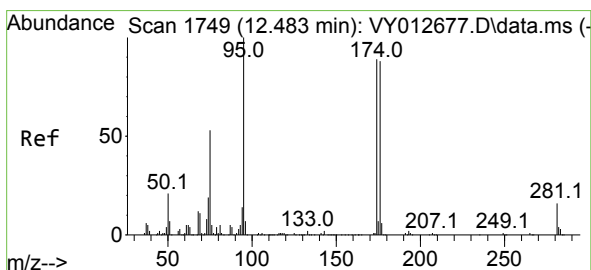
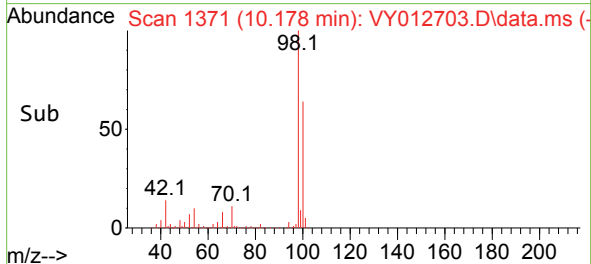
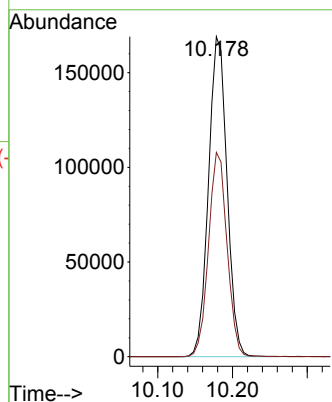
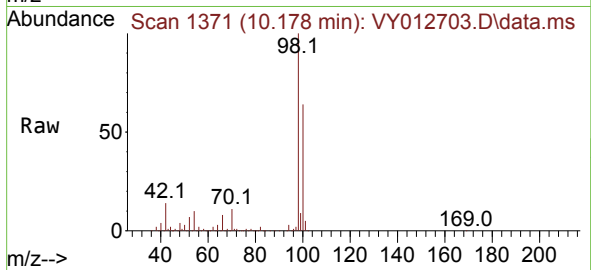




#50
Toluene-d8
Concen: 48.009 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

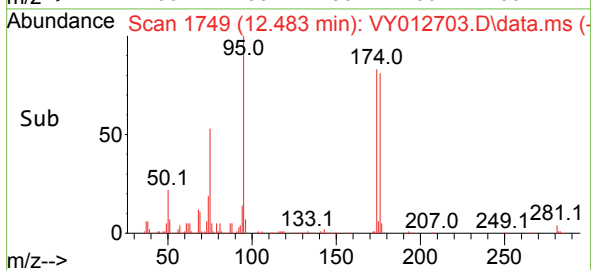
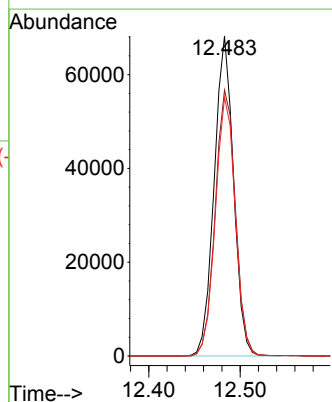
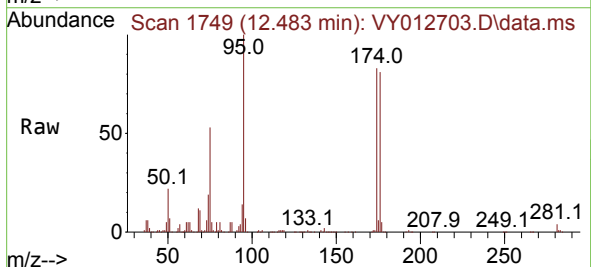
Instrument :
MSVOA_Y
ClientSampleId :
QAQC-COMP-1

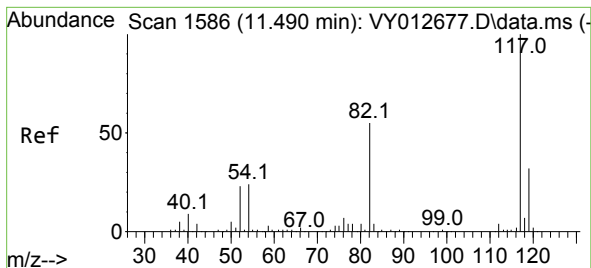
Tgt Ion: 98 Resp: 290529
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 51.782 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

Tgt Ion: 95 Resp: 100277
Ion Ratio Lower Upper
95 100
174 87.1 0.0 172.8
176 83.4 0.0 169.4

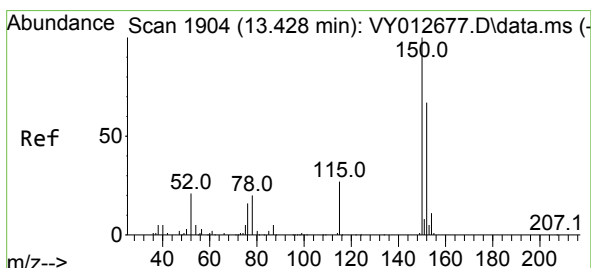
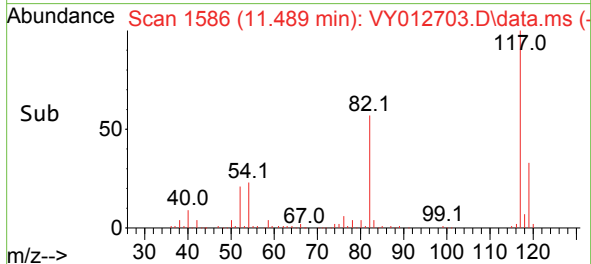
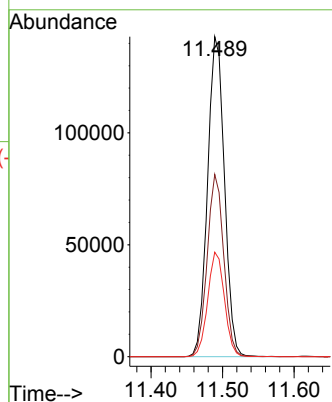
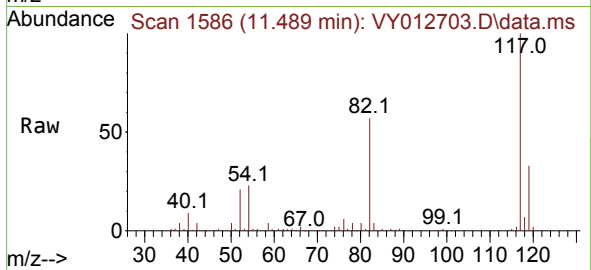




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

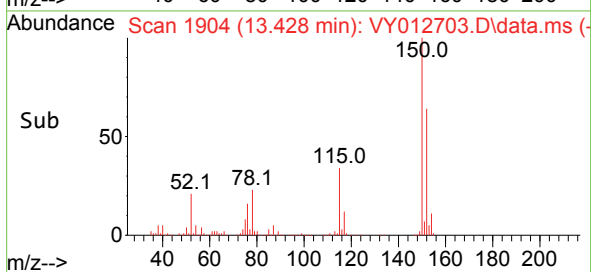
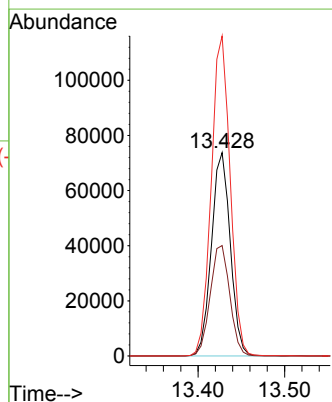
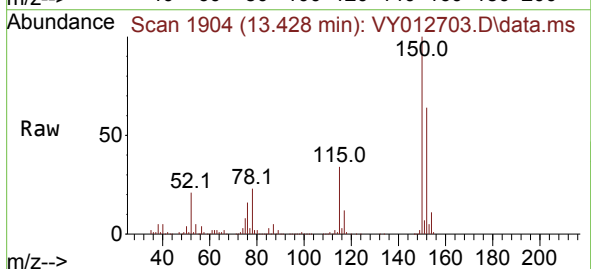
Instrument :
MSVOA_Y
ClientSampleId :
QAQC-COMP-1

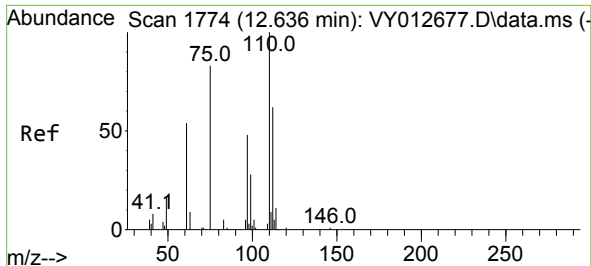
Tgt Ion:117 Resp: 234426
Ion Ratio Lower Upper
117 100
82 57.0 44.1 66.1
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

Tgt Ion:152 Resp: 111562
Ion Ratio Lower Upper
152 100
115 56.4 28.7 86.3
150 158.0 0.0 347.6

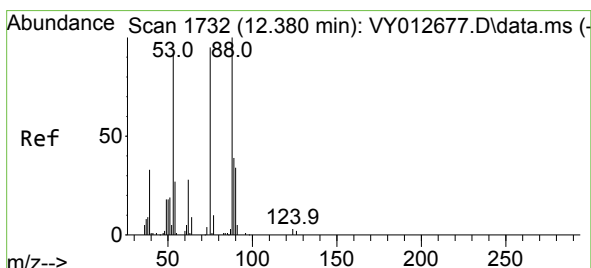
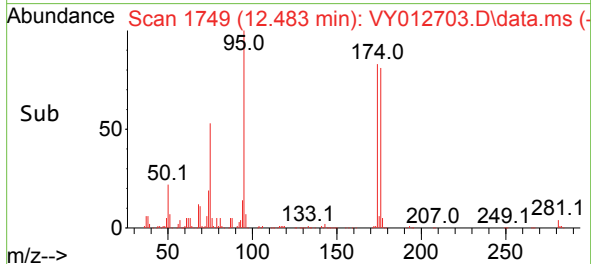
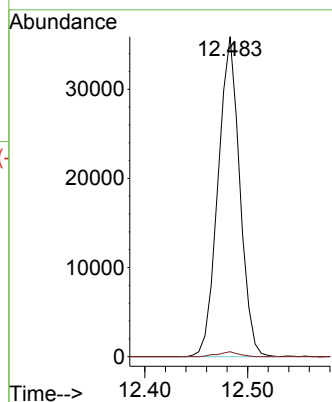
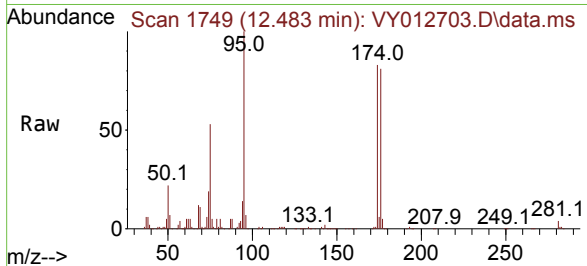




#76
1,2,3-Trichloropropane
Concen: 37.832 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

Instrument :
MSVOA_Y
ClientSampleId :
QAQC-COMP-1

Tgt Ion: 75 Resp: 52617
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.147 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012703.D
Acq: 23 Feb 2023 13:07

Tgt Ion: 75 Resp: 52617
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.1 36.5 54.7#

