

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012303.D
 Acq On : 20 Jan 2023 20:07
 Operator : KP/MD
 Sample : 01239-01
 Misc : 4.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BORING-3

Quant Time: Jan 23 02:26:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

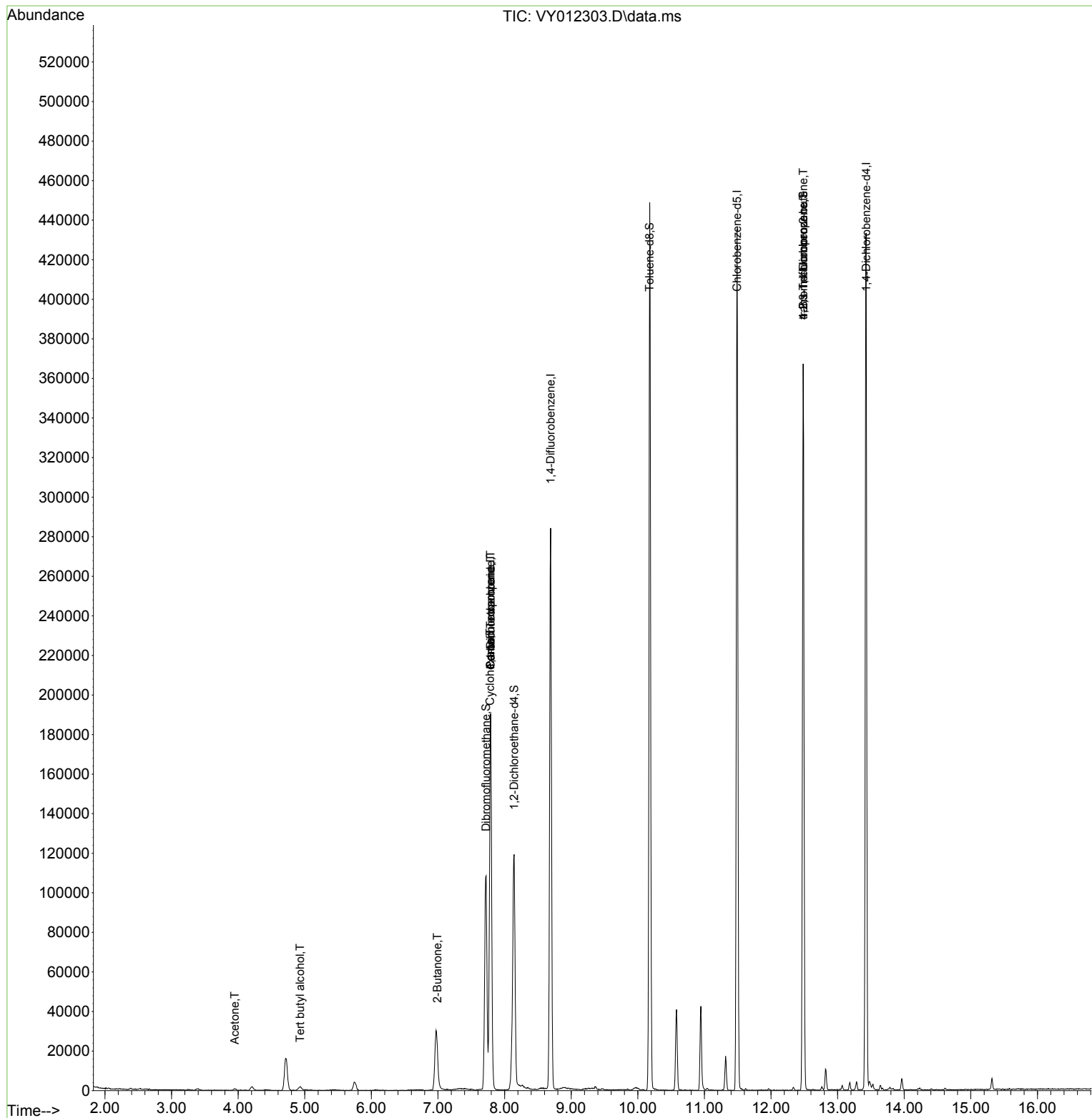
Internal Standards						
1) Pentafluorobenzene	7.789	168	151553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	250911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	249183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	93372	76.405	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	152.820%
35) Dibromofluoromethane	7.722	113	75742	57.010	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.020%
50) Toluene-d8	10.179	98	297899	66.110	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	132.220%
62) 4-Bromofluorobenzene	12.483	95	101965	54.443	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.880%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	2063	1.605	ug/l #	74
16) Acetone	3.948	43	1450	3.436	ug/l	97
25) 2-Butanone	6.990	43	2460	5.280	ug/l #	87
31) Cyclohexane	7.783	56	2588	1.171	ug/l #	25
36) 1,1-Dichloropropene	7.789	75	10313	4.567	ug/l #	49
38) Carbon Tetrachloride	7.789	117	14992	5.141	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	53875	49.071	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53875	101.107	ug/l #	13

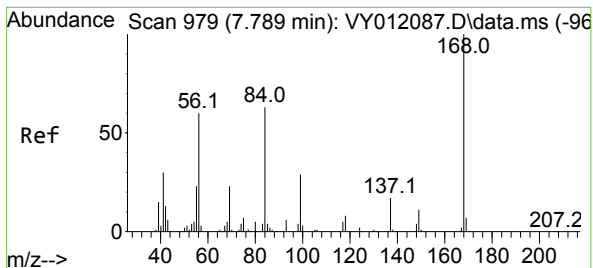
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 17 04:31:47 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY012303.D

Acq: 20 Jan 2023 20:07

Instrument :

MSVOA_Y

ClientSampleId :

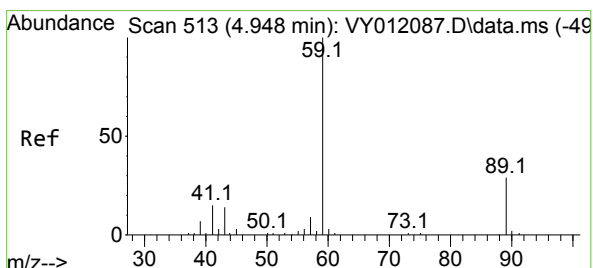
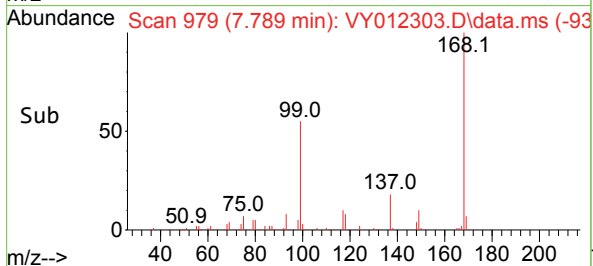
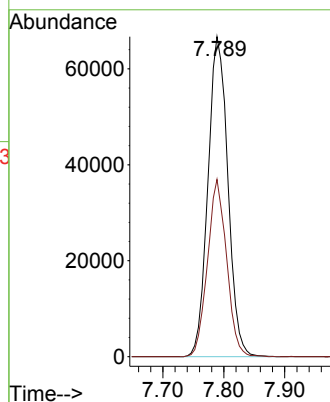
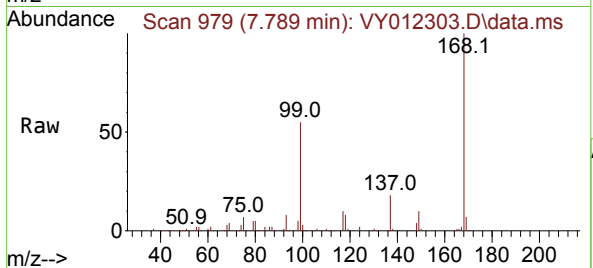
BORING-3

Tgt Ion:168 Resp: 151553

Ion Ratio Lower Upper

168 100

99 55.4 44.0 66.0



#11

Tert butyl alcohol

Concen: 1.605 ug/l

RT: 4.930 min Scan# 510

Delta R.T. -0.018 min

Lab File: VY012303.D

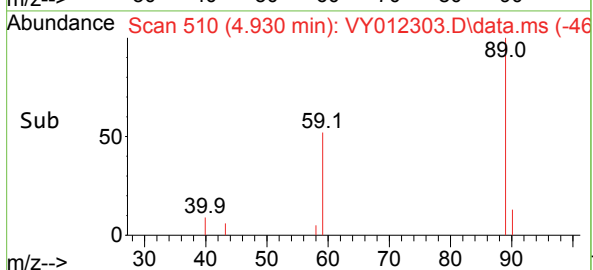
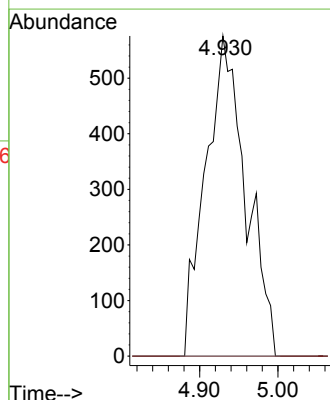
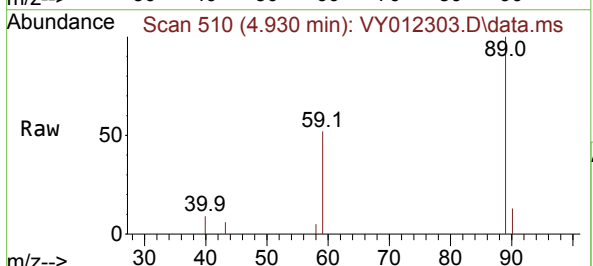
Acq: 20 Jan 2023 20:07

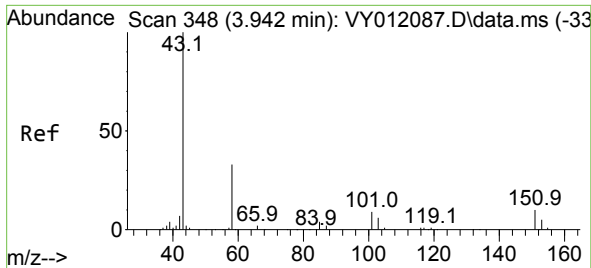
Tgt Ion: 59 Resp: 2063

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#

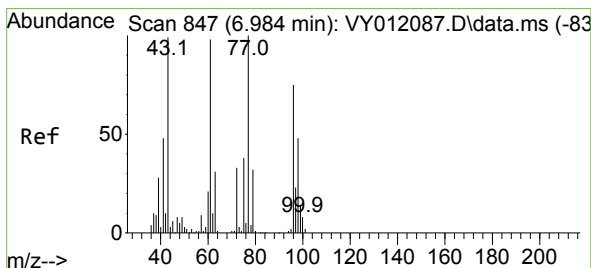
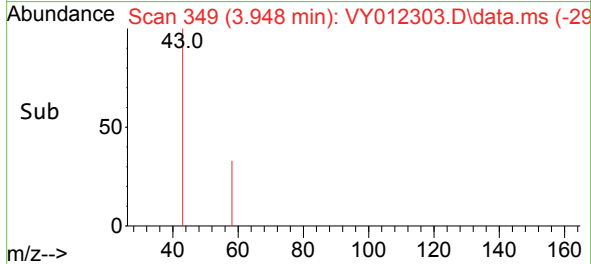
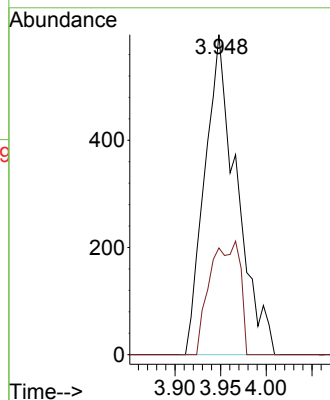
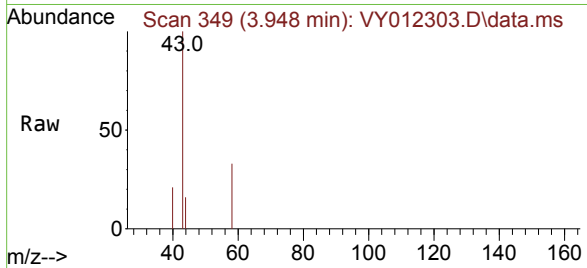




#16
Acetone
Concen: 3.436 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

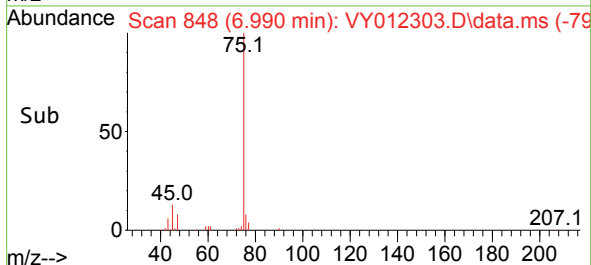
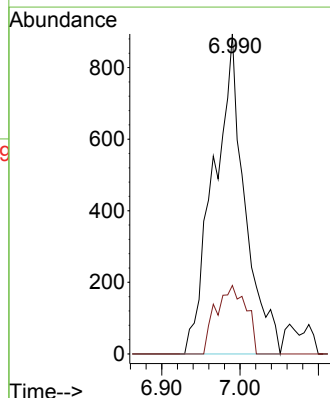
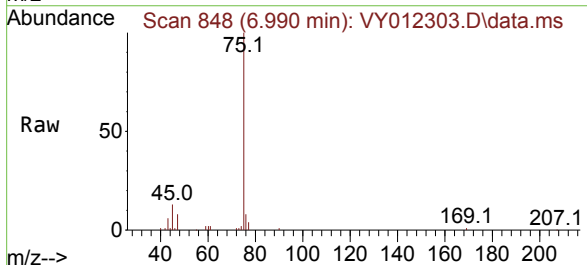
Instrument :
MSVOA_Y
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BORING-3

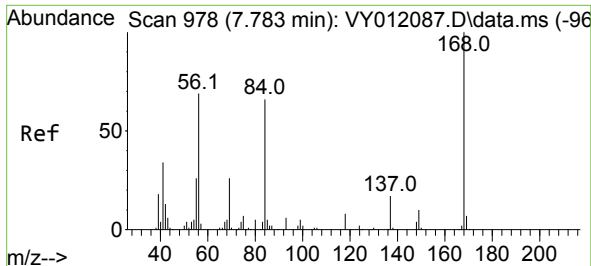
Tgt Ion: 43 Resp: 1450
Ion Ratio Lower Upper
43 100
58 33.3 27.9 41.9



#25
2-Butanone
Concen: 5.280 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

Tgt Ion: 43 Resp: 2460
Ion Ratio Lower Upper
43 100
72 21.4 22.6 34.0#

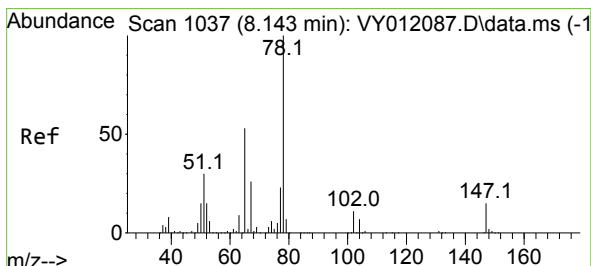
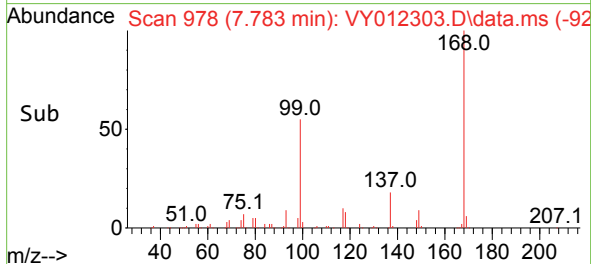
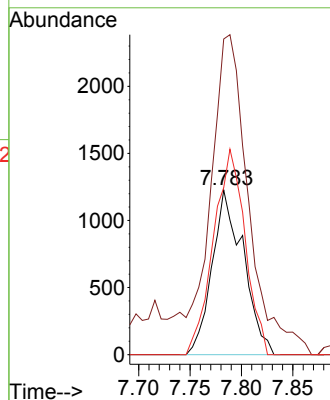
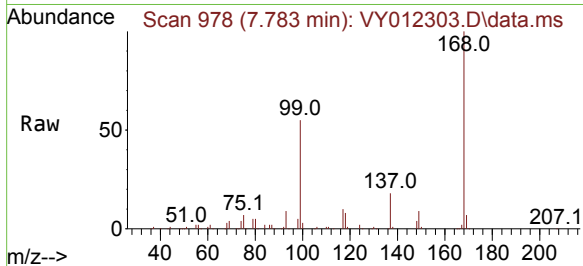




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

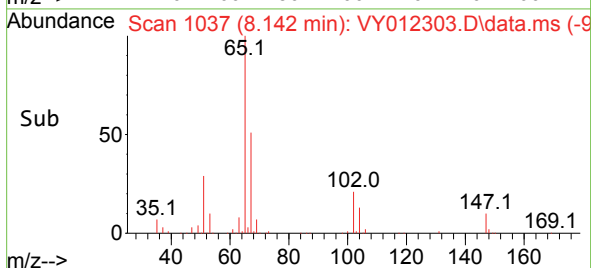
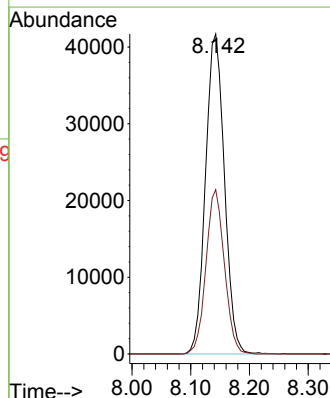
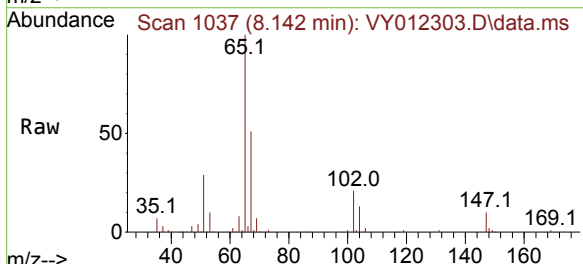
Instrument :
MSVOA_Y
ClientSampleId :
BORING-3

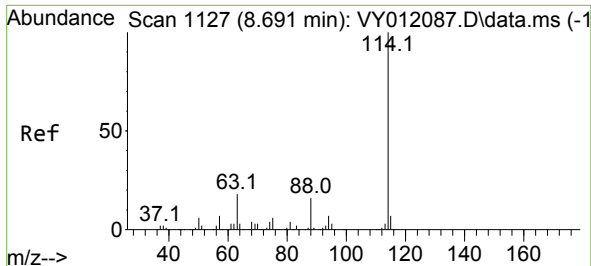
Tgt Ion: 56 Resp: 2588
Ion Ratio Lower Upper
56 100
69 175.5 29.2 43.8#
84 101.5 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 76.405 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

Tgt Ion: 65 Resp: 93372
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012303.D

Acq: 20 Jan 2023 20:07

Instrument :

MSVOA_Y

ClientSampleId :

BORING-3

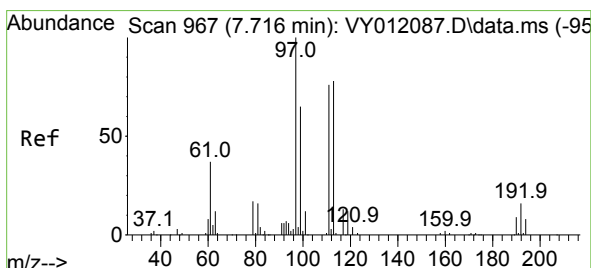
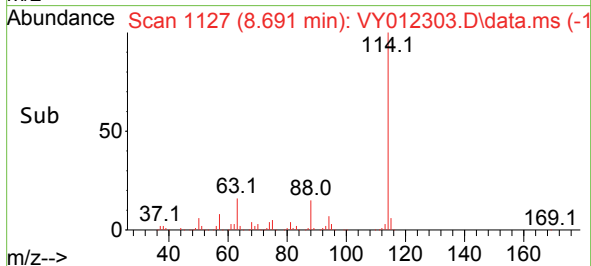
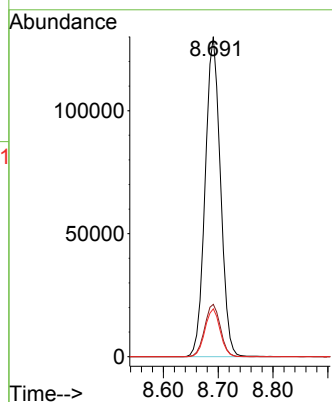
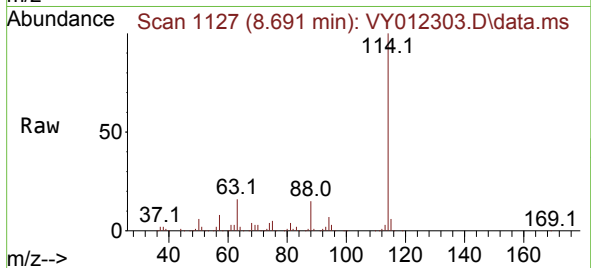
Tgt Ion:114 Resp: 250911

Ion Ratio Lower Upper

114 100

63 16.3 0.0 39.6

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.010 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012303.D

Acq: 20 Jan 2023 20:07

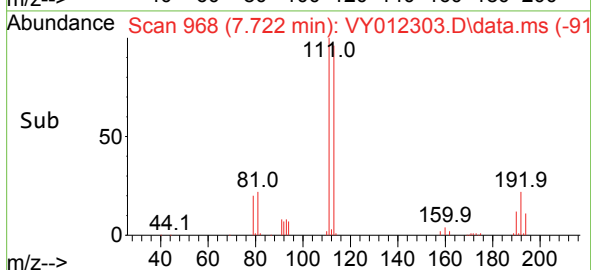
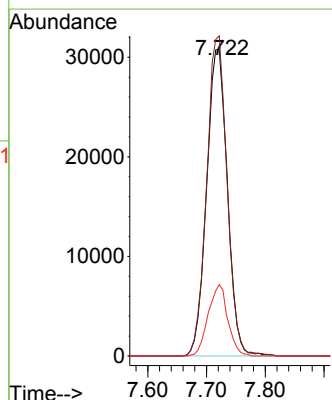
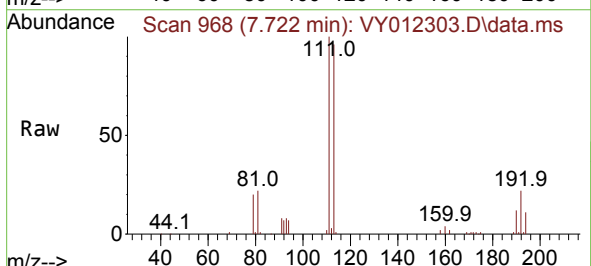
Tgt Ion:113 Resp: 75742

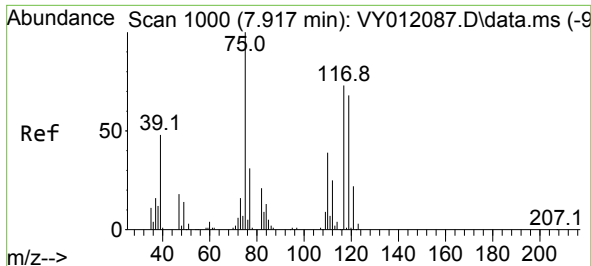
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 21.9 16.0 24.0

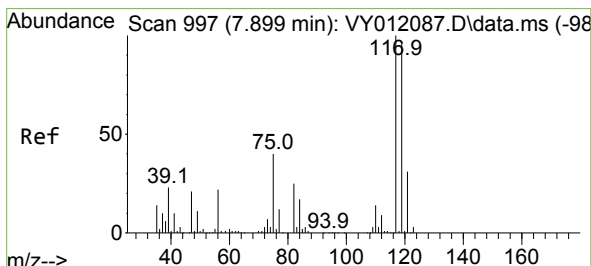
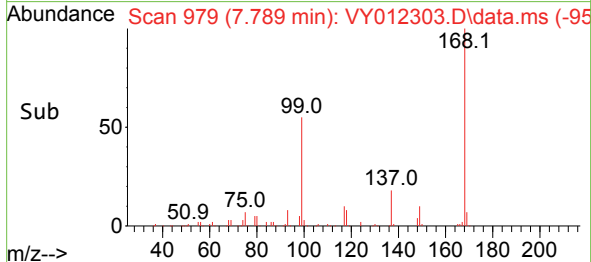
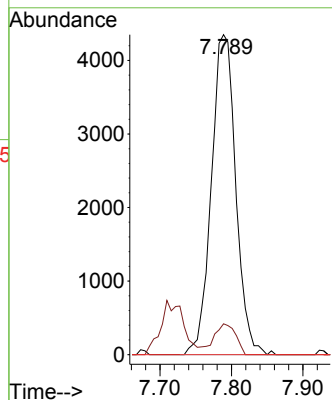
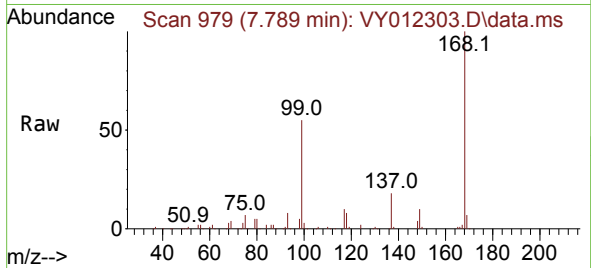




#36
1,1-Dichloropropene
Concen: 4.567 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

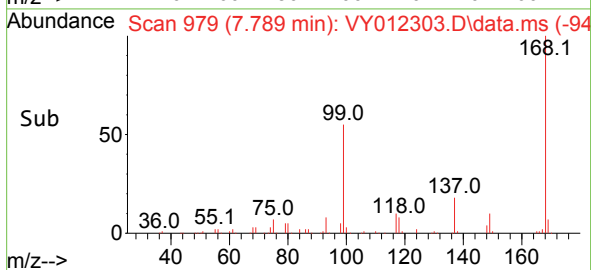
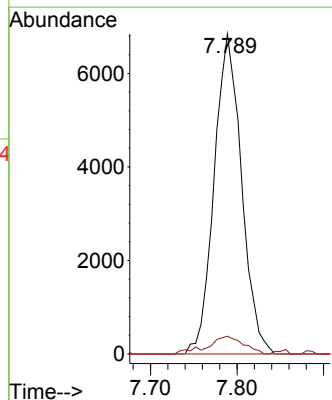
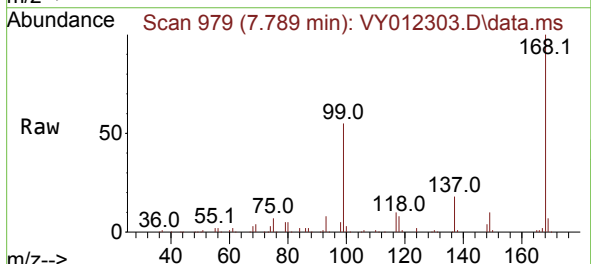
Instrument :
MSVOA_Y
ClientSampleId :
BORING-3

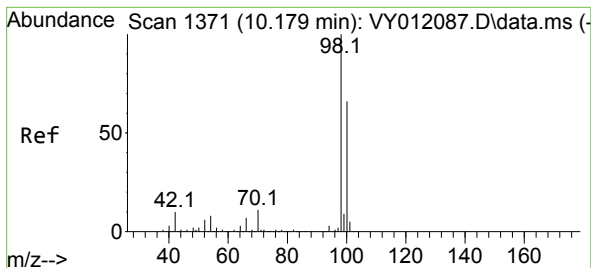
Tgt Ion: 75 Resp: 10313
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.141 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

Tgt Ion: 117 Resp: 14992
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.0 25.2 37.8#

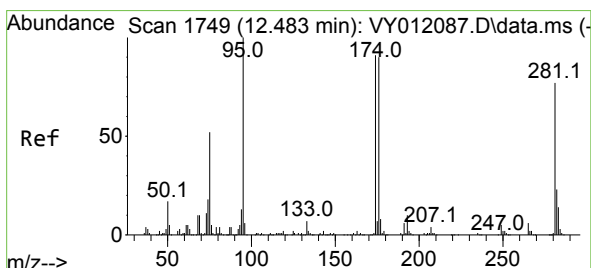
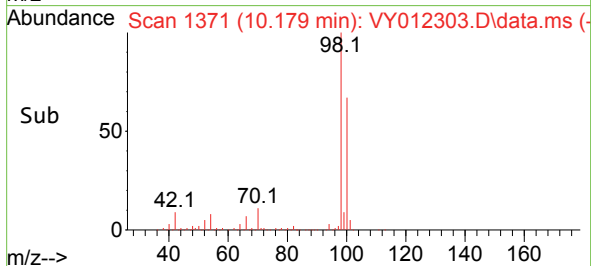
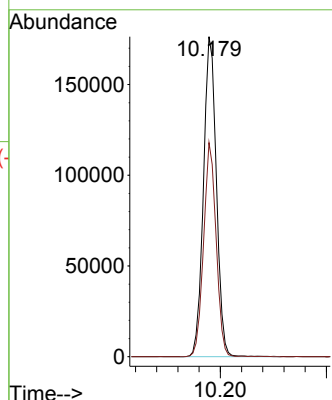
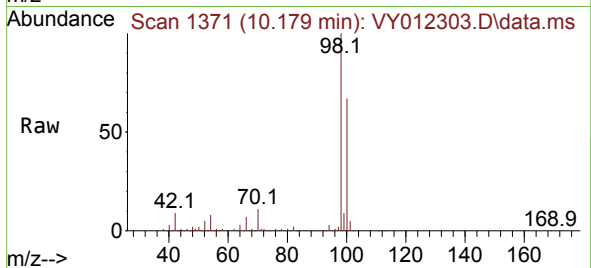




#50
Toluene-d8
Concen: 66.110 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

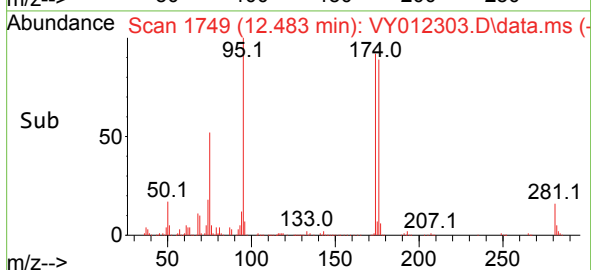
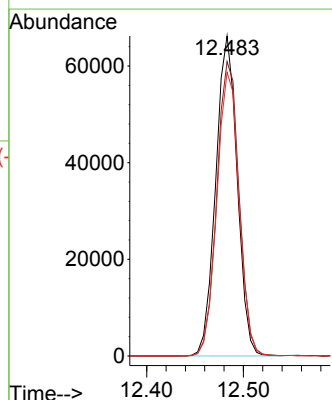
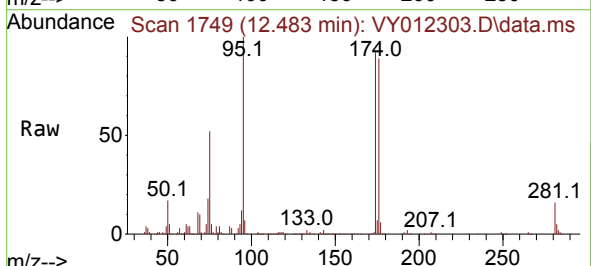
Instrument :
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ClientSampleId :
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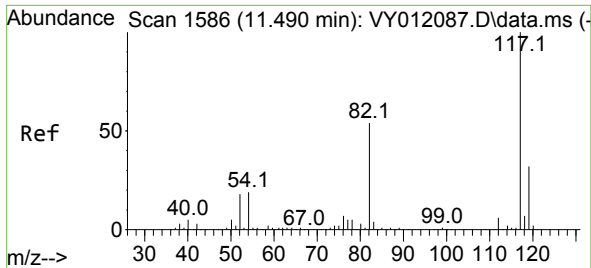
Tgt Ion: 98 Resp: 297899
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 54.443 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

Tgt Ion: 95 Resp: 101965
Ion Ratio Lower Upper
95 100
174 95.7 0.0 172.0
176 91.8 0.0 167.6

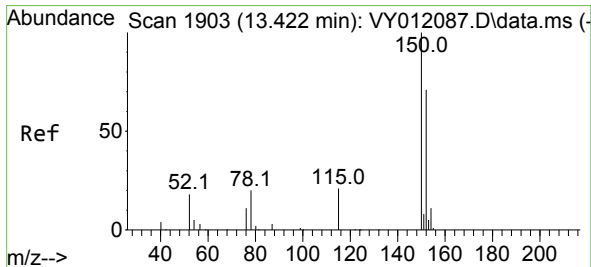
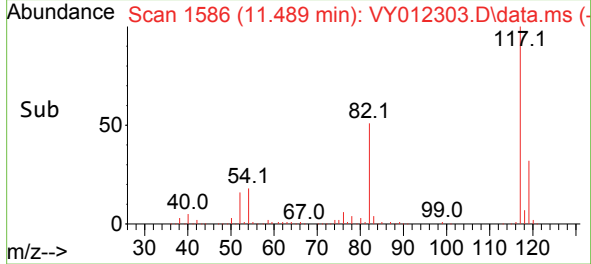
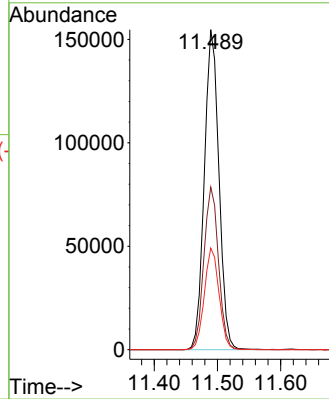
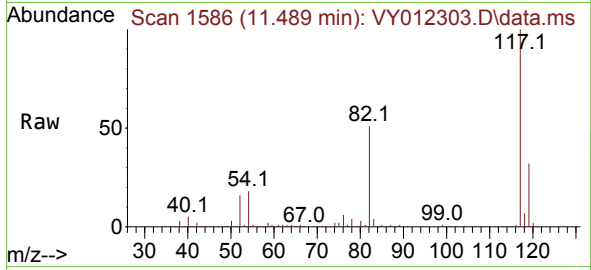




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

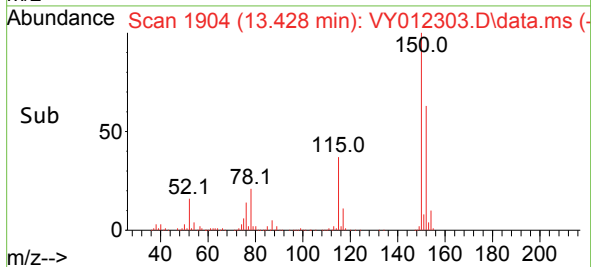
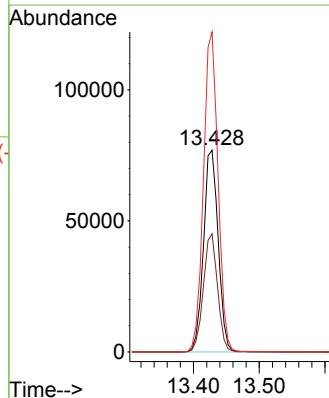
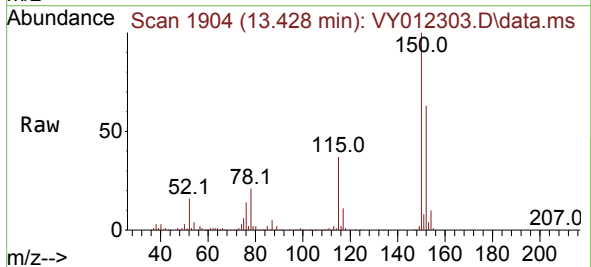
Instrument :
MSVOA_Y
ClientSampleId :
BORING-3

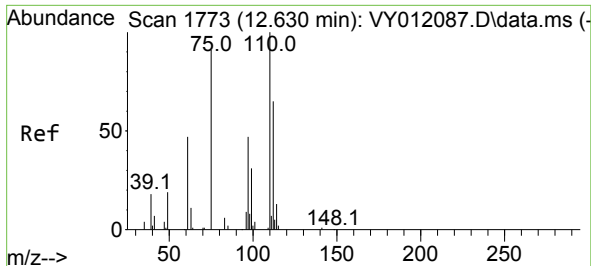
Tgt Ion:117 Resp: 249183
Ion Ratio Lower Upper
117 100
82 50.8 44.8 67.2
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

Tgt Ion:152 Resp: 119398
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.3
150 157.3 0.0 342.6

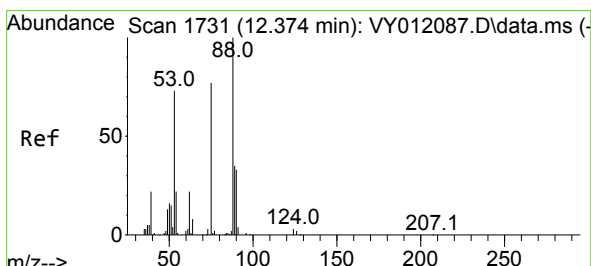
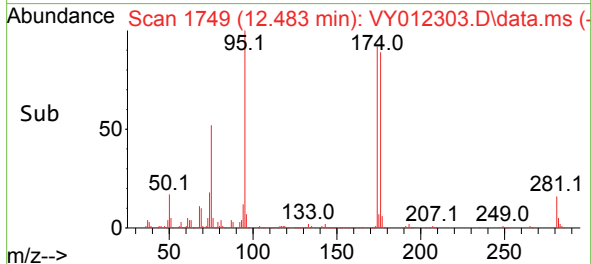
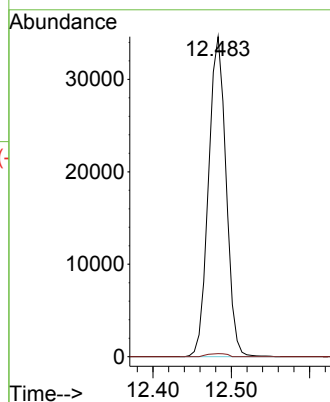
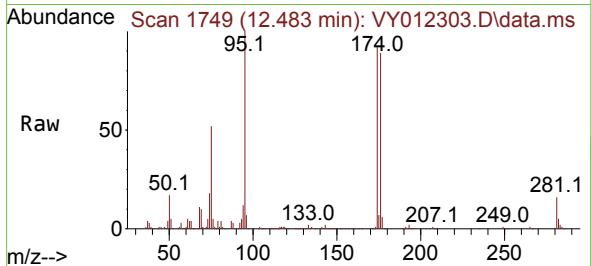




#76
1,2,3-Trichloropropane
Concen: 49.071 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

Instrument :
MSVOA_Y
ClientSampleId :
BORING-3

Tgt Ion: 75 Resp: 53875
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.107 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012303.D
Acq: 20 Jan 2023 20:07

Tgt Ion: 75 Resp: 53875
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#

