

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012164.D
 Acq On : 11 Jan 2023 15:35
 Operator : KP/MD
 Sample : 01124-04
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-4

Quant Time: Jan 12 05:50:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

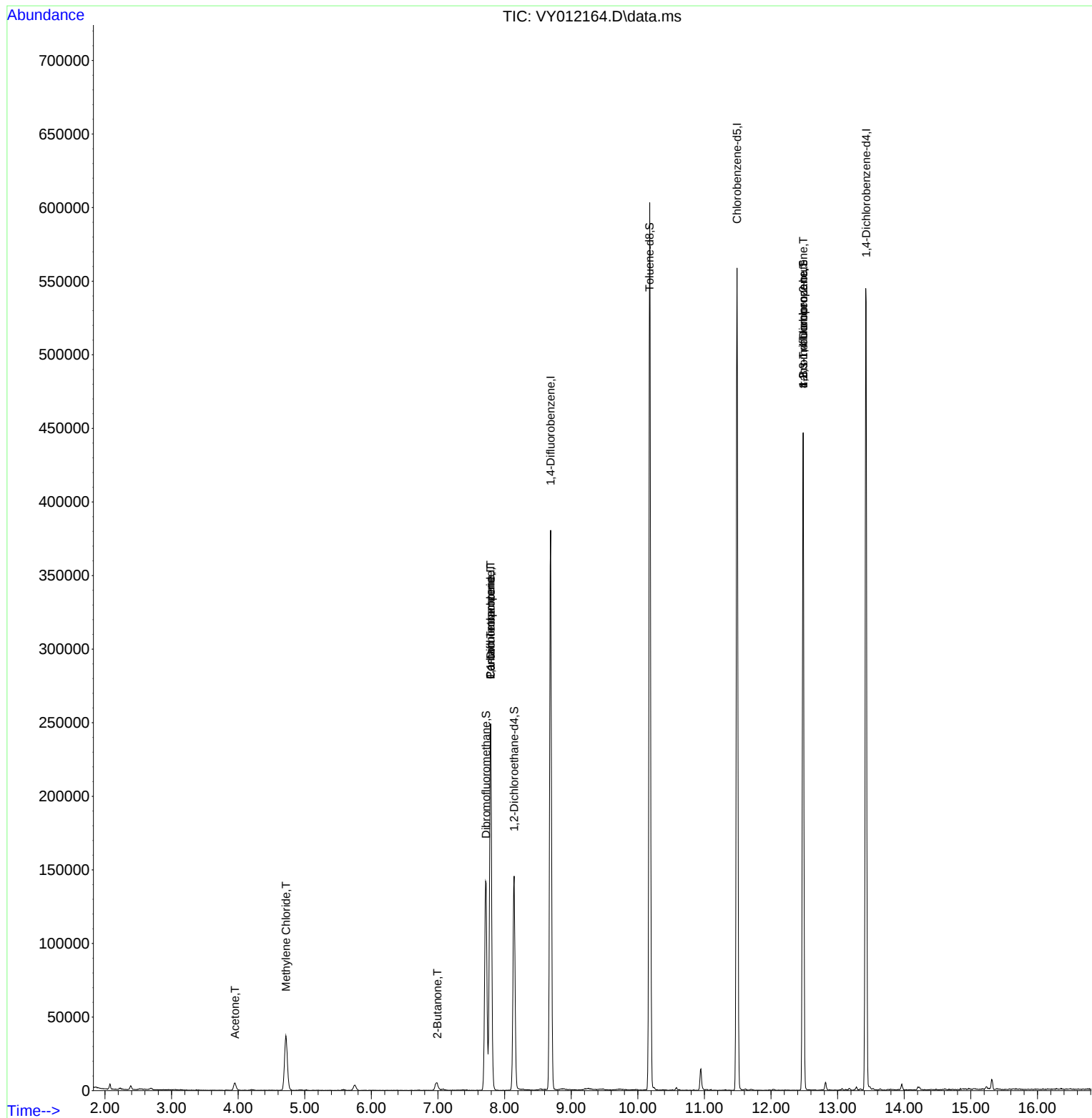
Internal Standards						
1) Pentafluorobenzene	7.789	168	197501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	331131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	318641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115364	51.984	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.960%	
35) Dibromofluoromethane	7.722	113	100221	46.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.100%	
50) Toluene-d8	10.179	98	393006	45.749	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.500%	
62) 4-Bromofluorobenzene	12.483	95	133215	44.364	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	70	Below Cal	#	41
3) Chloromethane	2.119	50	152	Below Cal	#	41
5) Bromomethane	2.650	94	49	Below Cal	#	1
11) Tert butyl alcohol	4.954	59	447	Below Cal	#	74
16) Acetone	3.954	43	8772	16.803	ug/l	99
17) Carbon Disulfide	4.192	76	55	Below Cal	#	75
20) Methylene Chloride	4.716	84	30610	9.020	ug/l	87
25) 2-Butanone	6.990	43	2216	3.217	ug/l	# 87
31) Cyclohexane	7.795	56	3492	Below Cal	#	35
36) 1,1-Dichloropropene	7.789	75	13179	3.991	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	19543	4.663	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	69828	40.996	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	69828	91.047	ug/l	# 13

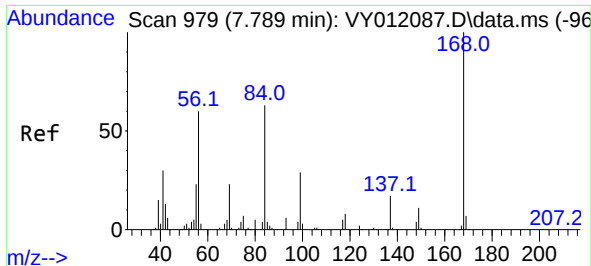
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
Data File : VY012164.D
Acq On : 11 Jan 2023 15:35
Operator : KP/MD
Sample : 01124-04
Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-4

Quant Time: Jan 12 05:50:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 07 01:46:48 2023
Response via : Initial Calibration

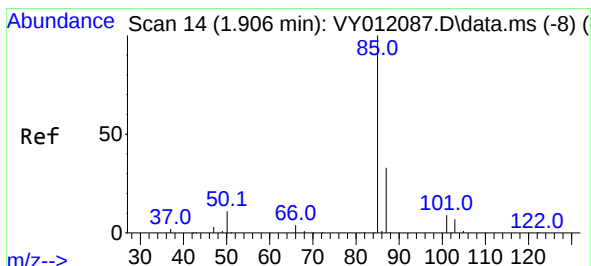
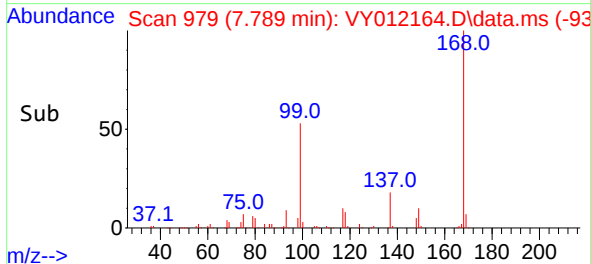
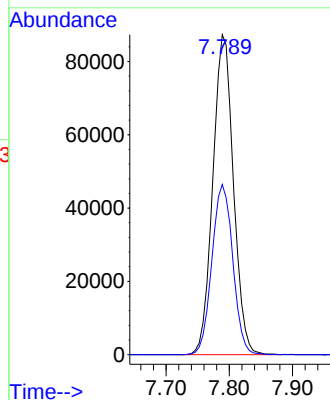
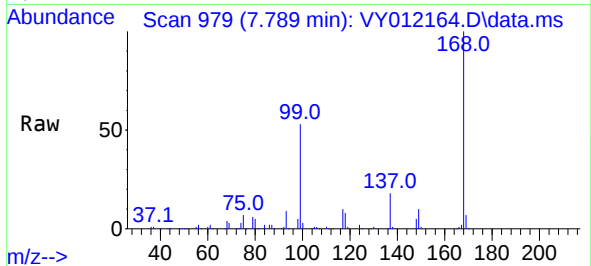




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

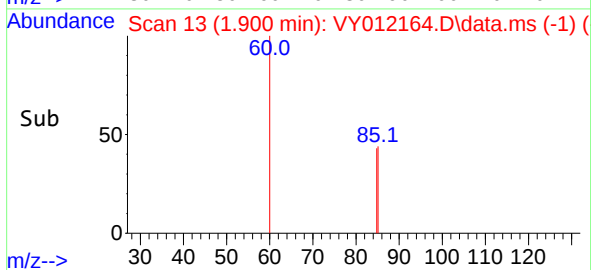
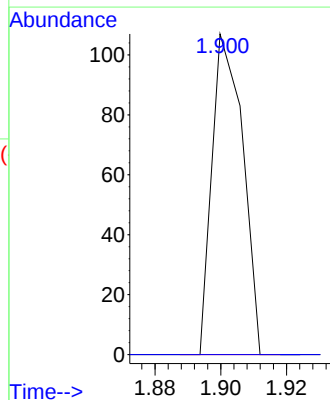
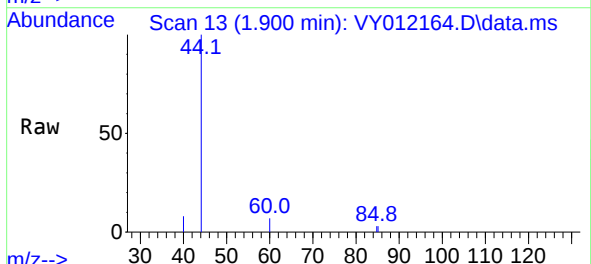
Instrument :
MSVOA_Y
ClientSampleId :
MH-4

Tgt Ion:168 Resp: 197501
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0

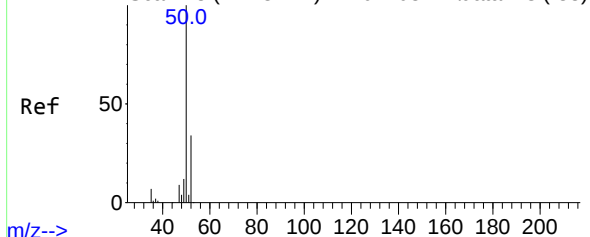


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

Tgt Ion: 85 Resp: 70
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY012164.D

Acq: 11 Jan 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

MH-4

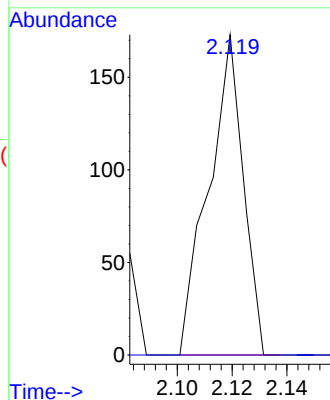
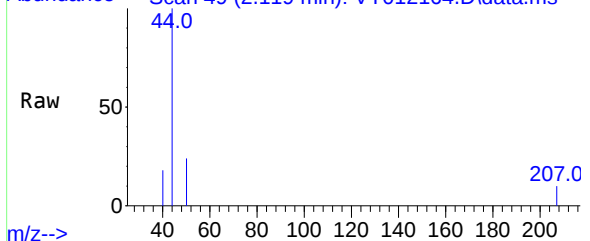
Tgt Ion: 50 Resp: 152

Ion Ratio Lower Upper

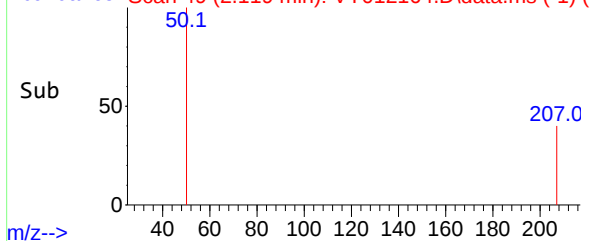
50 100

52 0.0 26.8 40.2#

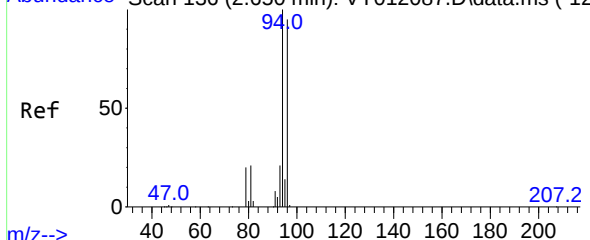
Abundance Scan 49 (2.119 min): VY012164.D\data.ms



Abundance Scan 49 (2.119 min): VY012164.D\data.ms (-1)



Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.650 min Scan# 136

Delta R.T. -0.000 min

Lab File: VY012164.D

Acq: 11 Jan 2023 15:35

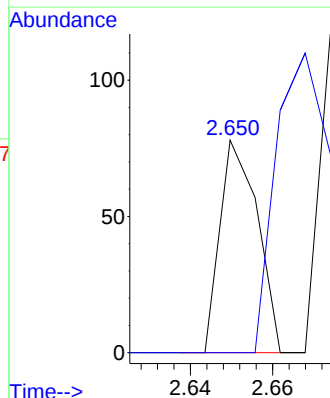
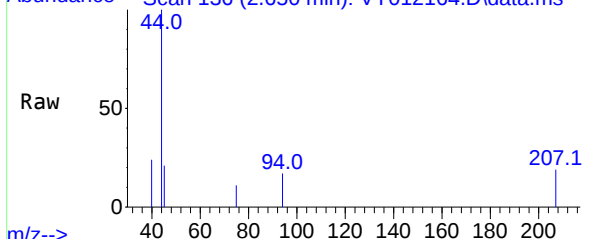
Tgt Ion: 94 Resp: 49

Ion Ratio Lower Upper

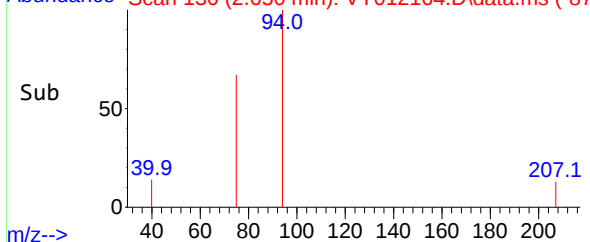
94 100

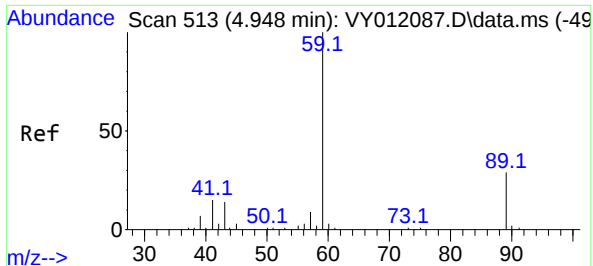
96 0.0 77.4 116.2#

Abundance Scan 136 (2.650 min): VY012164.D\data.ms



Abundance Scan 136 (2.650 min): VY012164.D\data.ms (-87)

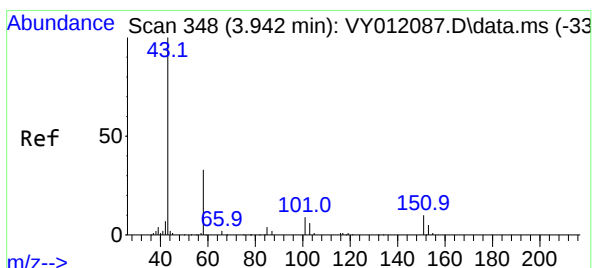
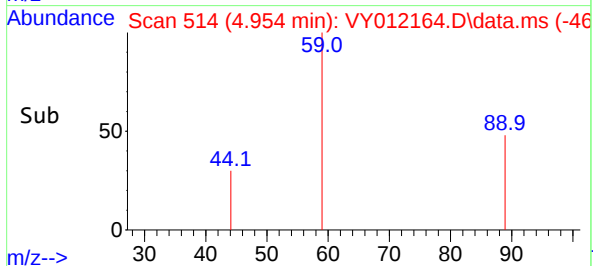
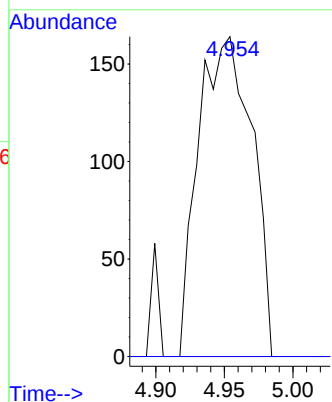
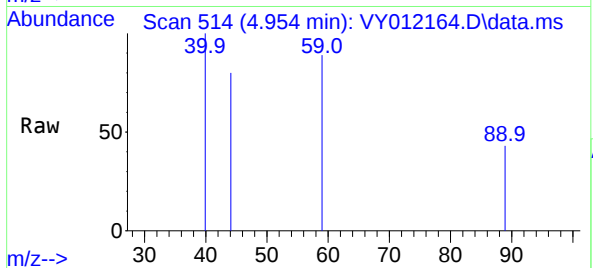




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

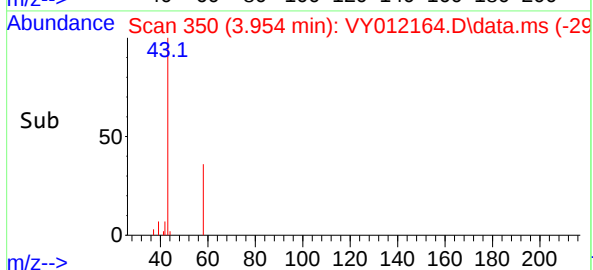
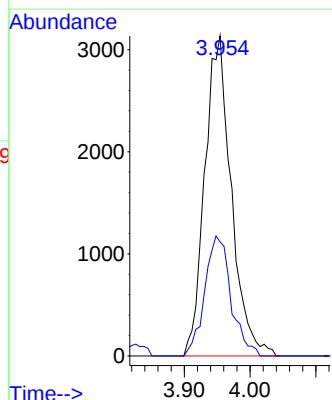
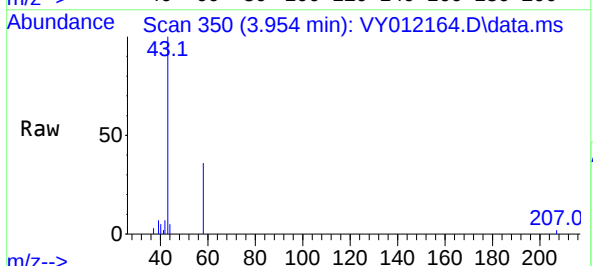
Instrument :
MSVOA_Y
ClientSampleId :
MH-4

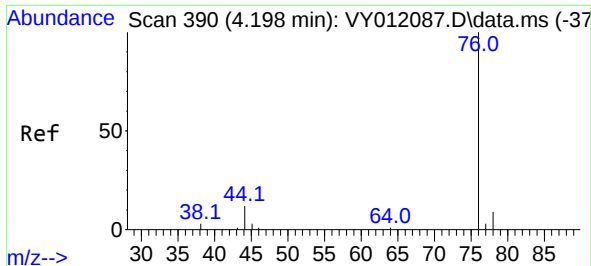
Tgt Ion: 59 Resp: 447
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 16.803 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

Tgt Ion: 43 Resp: 8772
Ion Ratio Lower Upper
43 100
58 35.7 27.9 41.9

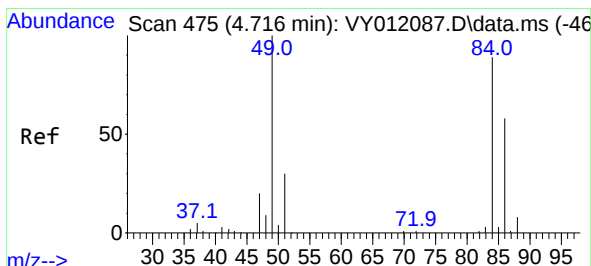
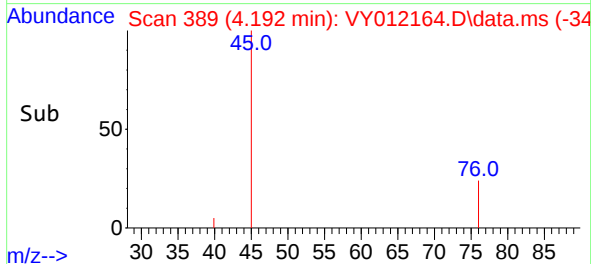
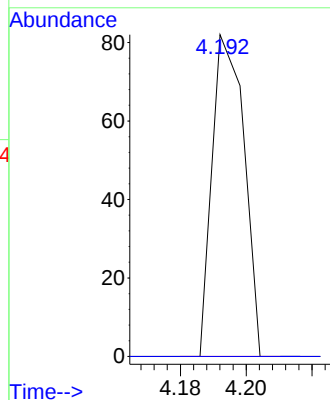
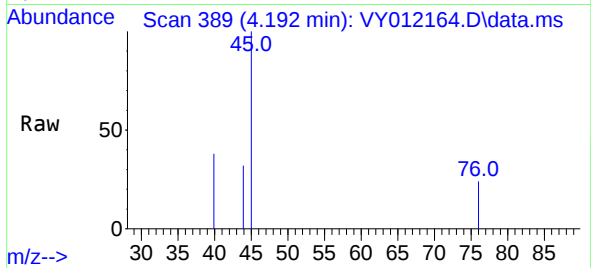




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

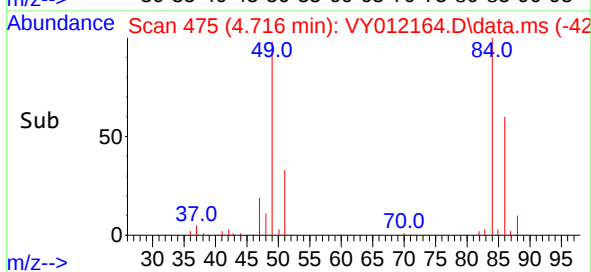
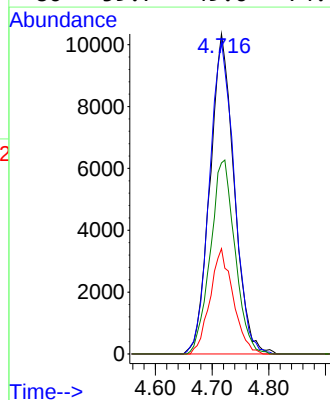
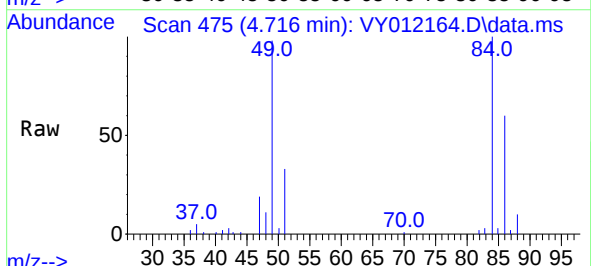
Instrument :
MSVOA_Y
ClientSampleId :
MH-4

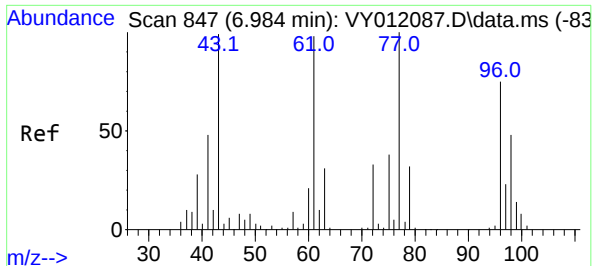
Tgt Ion: 76 Resp: 55
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 9.020 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

Tgt Ion: 84 Resp: 30610
Ion Ratio Lower Upper
84 100
49 97.9 95.4 143.2
51 32.9 29.9 44.9
86 59.7 49.6 74.4





#25

2-Butanone

Concen: 3.217 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY012164.D

Acq: 11 Jan 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

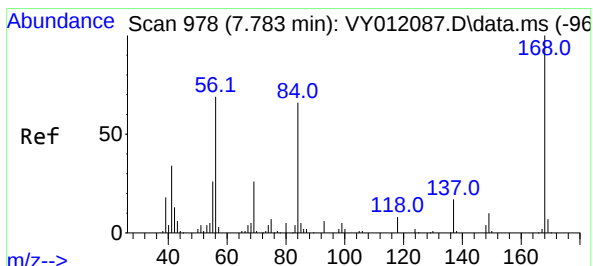
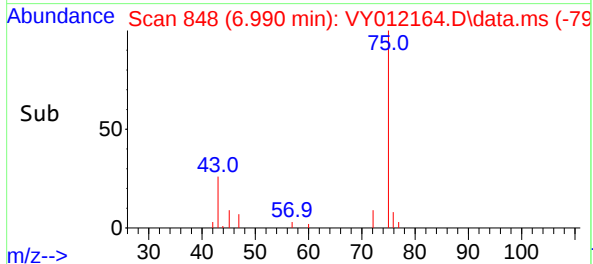
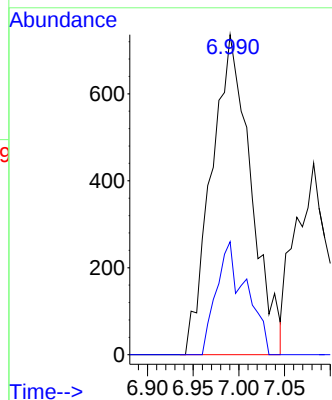
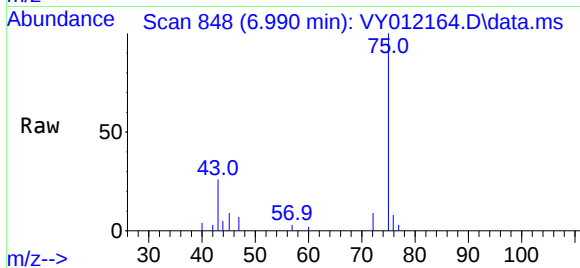
MH-4

Tgt Ion: 43 Resp: 2216

Ion Ratio Lower Upper

43 100

72 35.3 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY012164.D

Acq: 11 Jan 2023 15:35

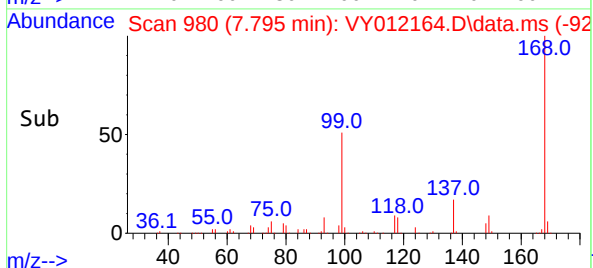
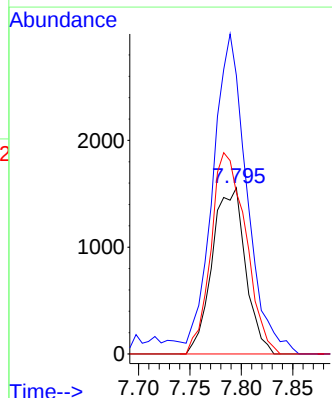
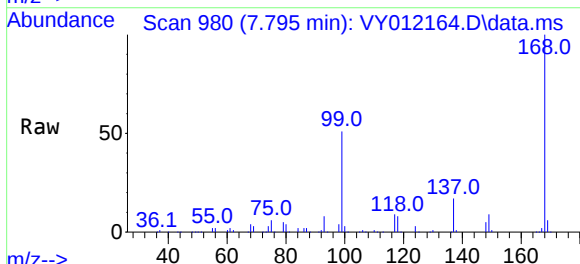
Tgt Ion: 56 Resp: 3492

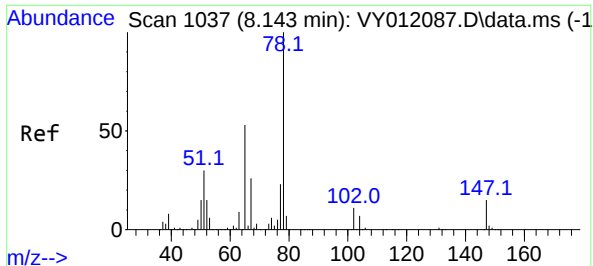
Ion Ratio Lower Upper

56 100

69 160.4 29.2 43.8#

84 97.3 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 51.984 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012164.D

Acq: 11 Jan 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

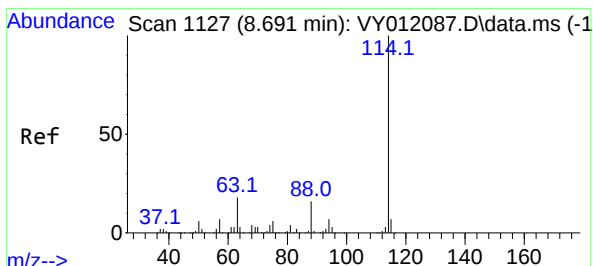
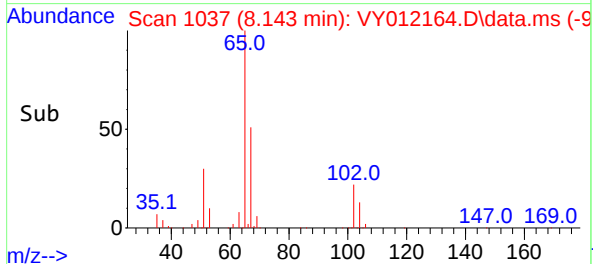
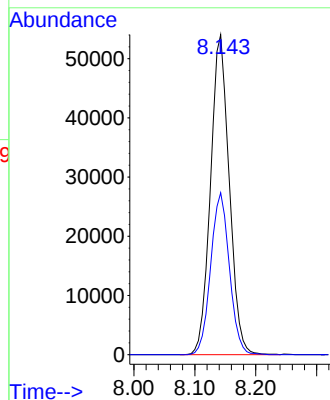
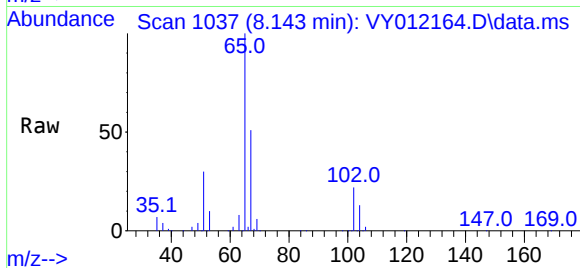
MH-4

Tgt Ion: 65 Resp: 115364

Ion Ratio Lower Upper

65 100

67 50.5 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: VY012164.D

Acq: 11 Jan 2023 15:35

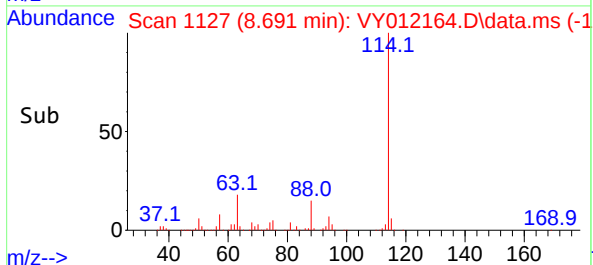
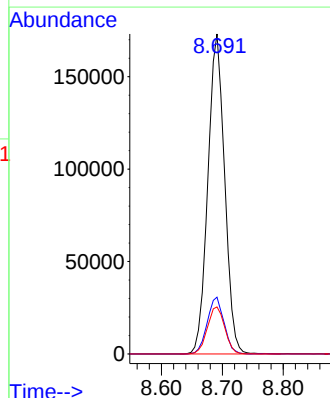
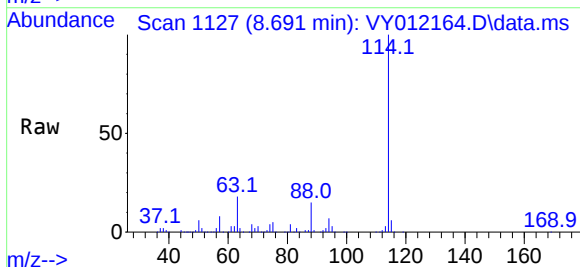
Tgt Ion: 114 Resp: 331131

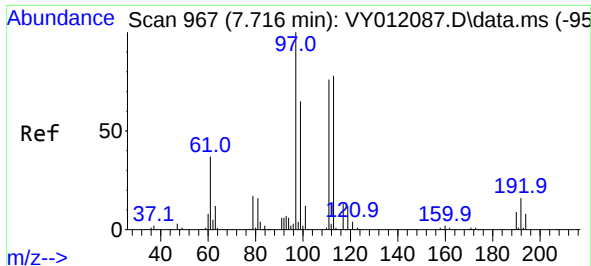
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 14.7 0.0 32.2

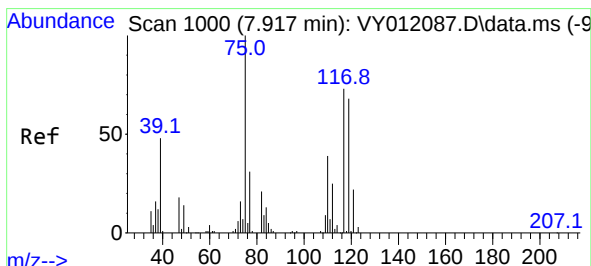
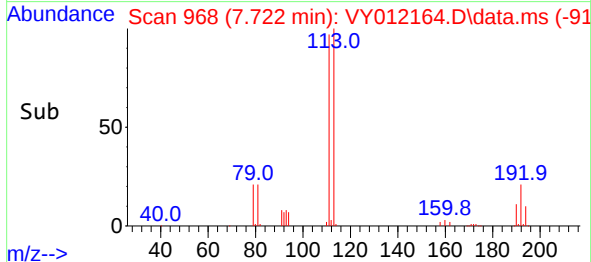
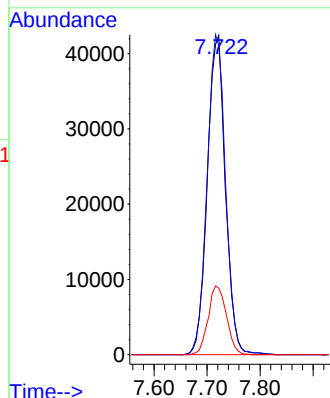
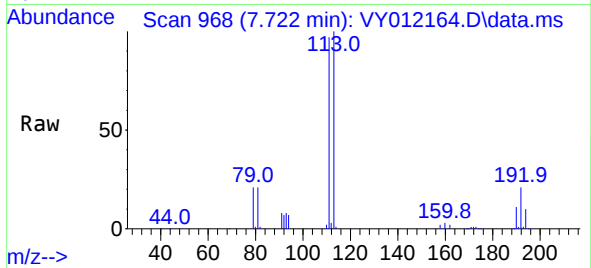




#35
Dibromofluoromethane
Concen: 46.048 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

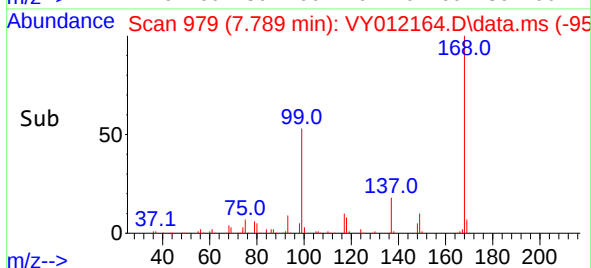
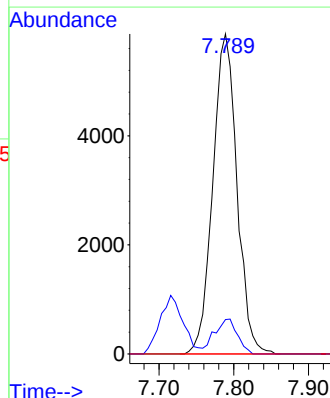
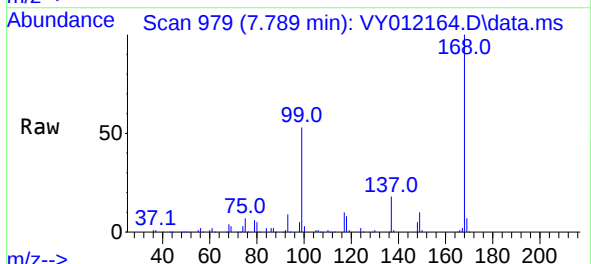
Instrument :
MSVOA_Y
ClientSampleId :
MH-4

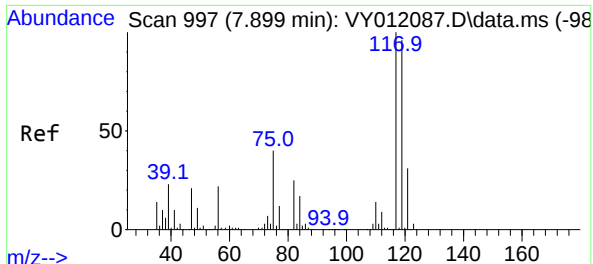
Tgt Ion:113 Resp: 100221
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.4
192 21.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 3.991 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

Tgt Ion: 75 Resp: 13179
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.1#
77 0.0 25.1 37.7#

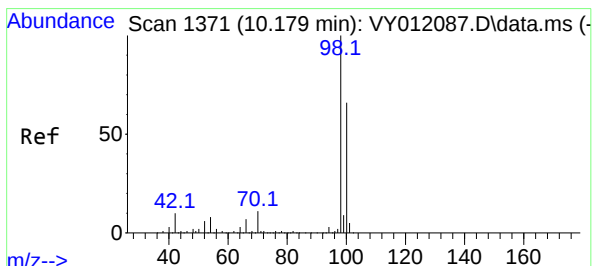
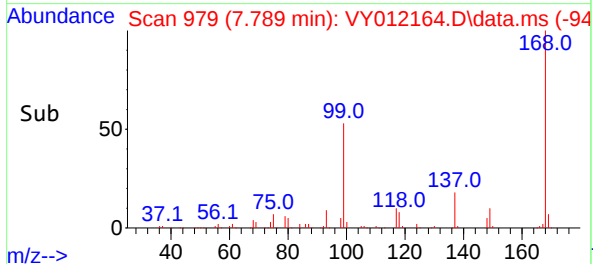
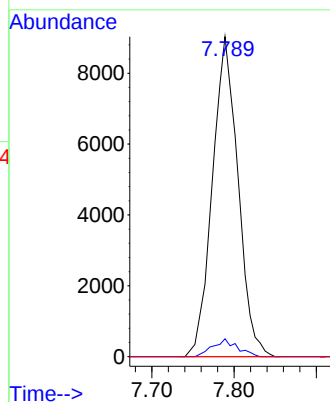
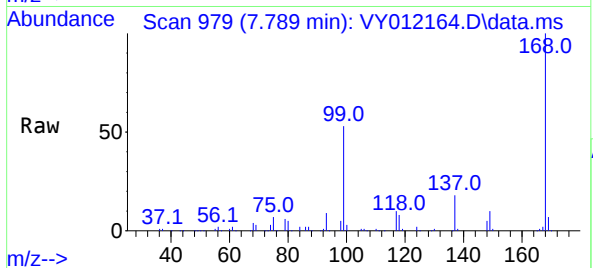




#38
Carbon Tetrachloride
Concen: 4.663 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

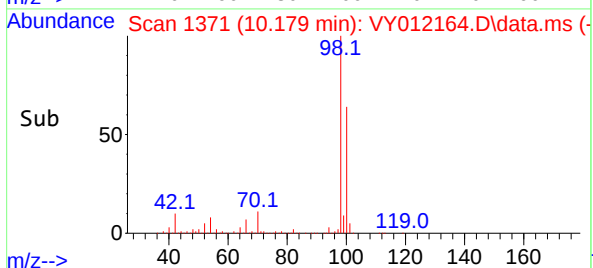
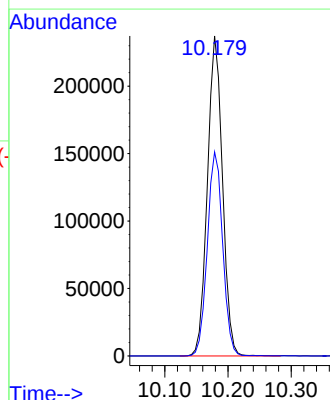
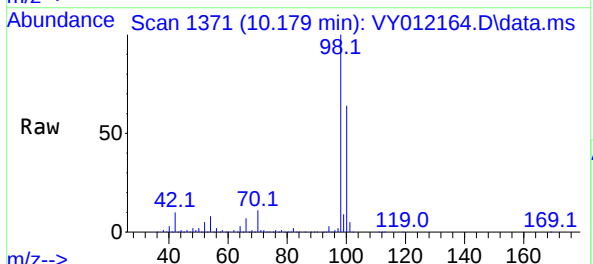
Instrument :
MSVOA_Y
ClientSampleId :
MH-4

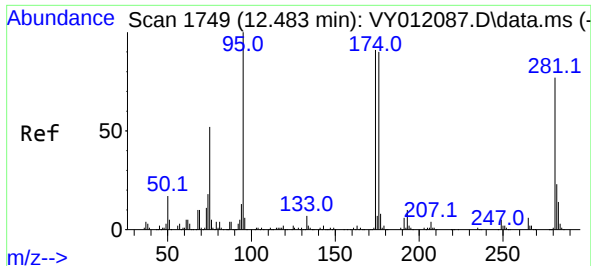
Tgt Ion:117 Resp: 19543
Ion Ratio Lower Upper
117 100
119 5.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.749 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

Tgt Ion: 98 Resp: 393006
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

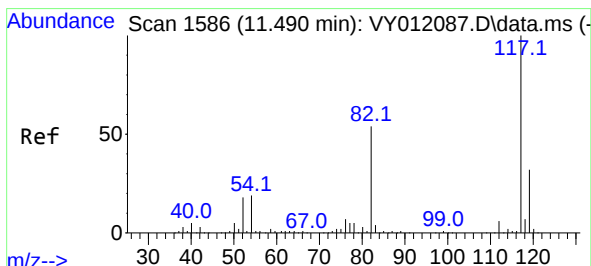
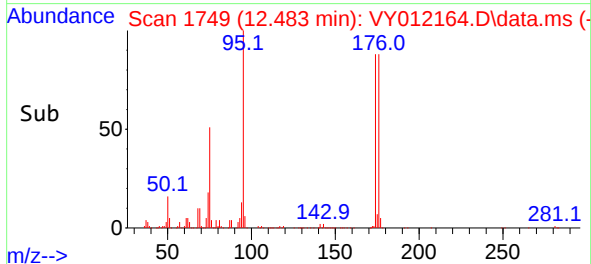
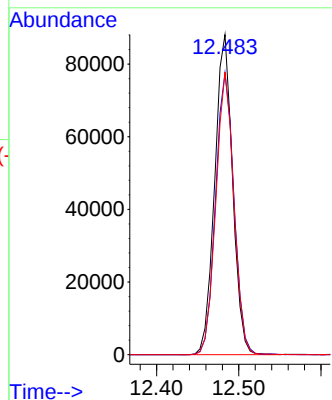
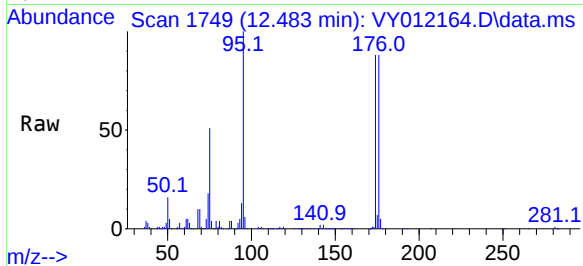




#62
4-Bromofluorobenzene
Concen: 44.364 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

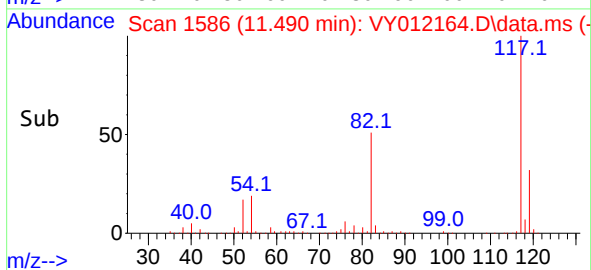
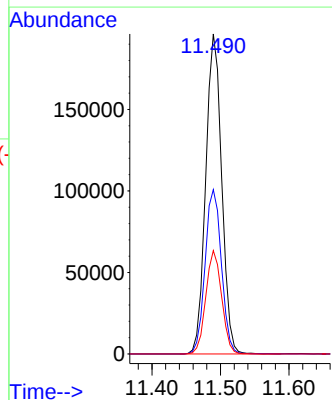
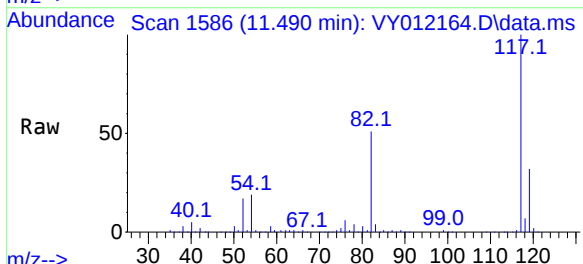
Instrument :
MSVOA_Y
ClientSampleId :
MH-4

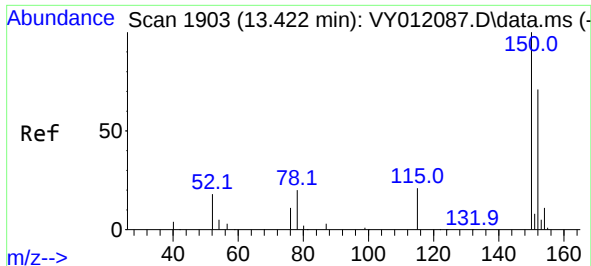
Tgt Ion: 95 Resp: 133215
Ion Ratio Lower Upper
95 100
174 90.8 0.0 172.0
176 88.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012164.D
Acq: 11 Jan 2023 15:35

Tgt Ion: 117 Resp: 318641
Ion Ratio Lower Upper
117 100
82 51.3 44.8 67.2
119 32.3 25.4 38.2

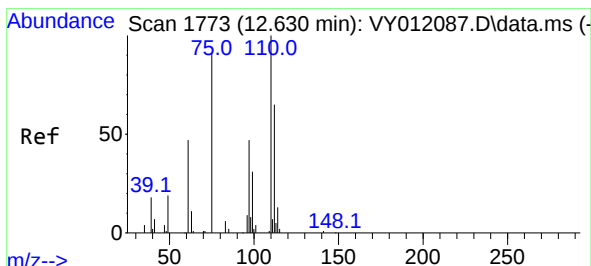
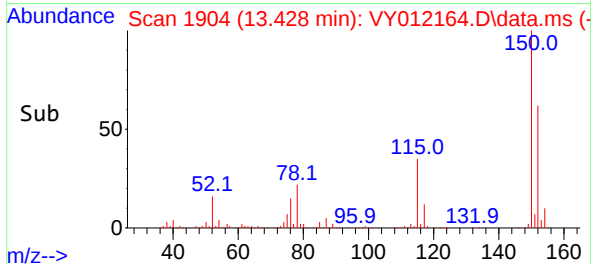
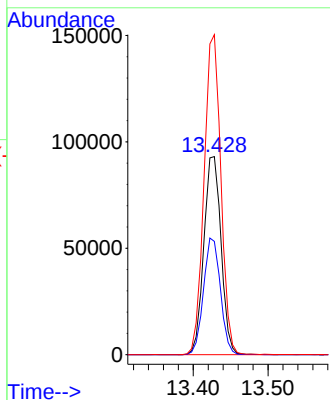
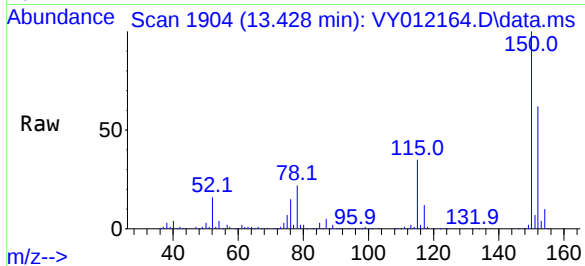




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 149174
 Delta R.T. 0.006 min
 Lab File: VY012164.D
 Acq: 11 Jan 2023 15:35

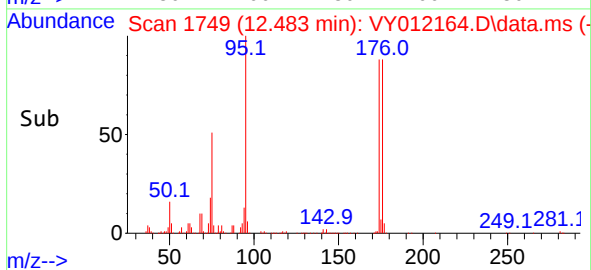
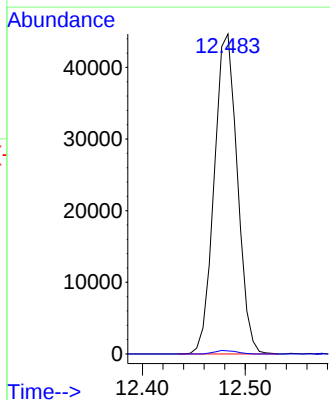
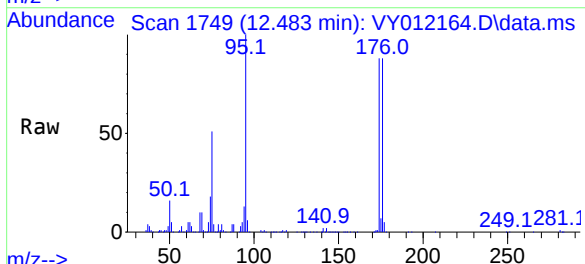
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-4

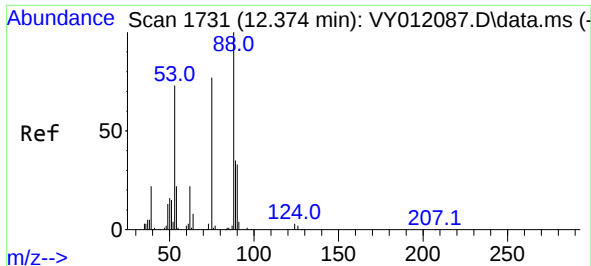
Tgt Ion:152 Resp: 149174
 Ion Ratio Lower Upper
 152 100
 115 57.7 29.1 87.3
 150 157.5 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 40.996 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012164.D
 Acq: 11 Jan 2023 15:35

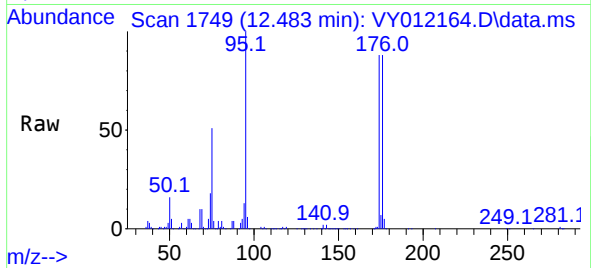
Tgt Ion: 75 Resp: 69828
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.047 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012164.D
 Acq: 11 Jan 2023 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-4



Tgt Ion: 75 Resp: 69828
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

