

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009086.D
 Acq On : 25 May 2022 13:45
 Operator : KP/MD
 Sample : N2981-14
 Misc : 3.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9(4.5-5)

Quant Time: May 26 04:28:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

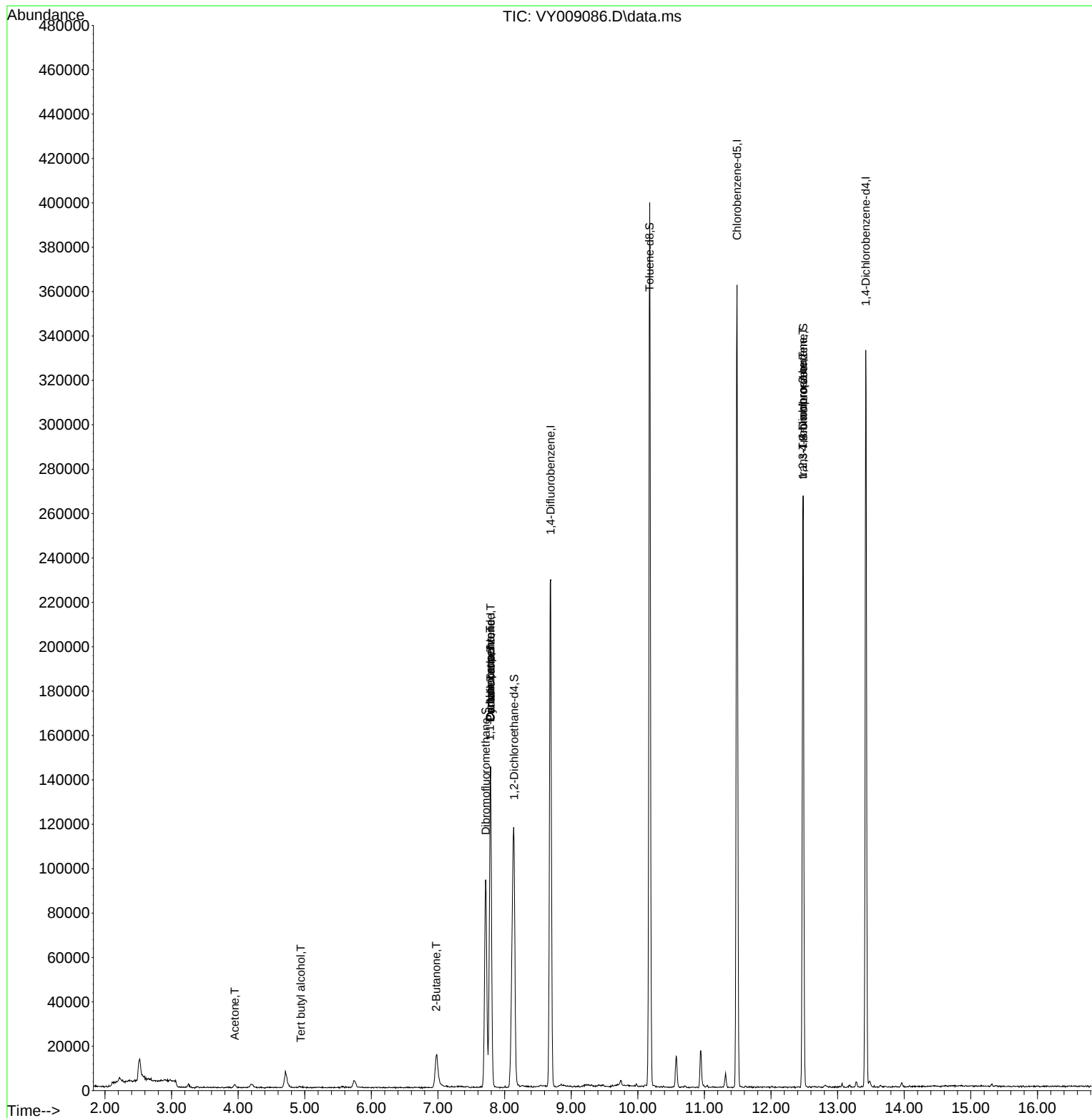
Internal Standards						
1) Pentafluorobenzene	7.789	168	106845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	196186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	183219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70578	64.183	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.360%	
35) Dibromofluoromethane	7.716	113	62330	51.092	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.180%	
50) Toluene-d8	10.179	98	245903	54.637	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.280%	
62) 4-Bromofluorobenzene	12.483	95	68907	37.955	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 75.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	284	2.546	ug/l #	77
16) Acetone	3.948	43	2119	9.257	ug/l	93
20) Methylene Chloride	4.710	84	4752	Below Cal		87
25) 2-Butanone	6.972	43	1017	2.488	ug/l #	54
31) Cyclohexane	7.789	56	2801	1.302	ug/l #	24
36) 1,1-Dichloropropene	7.783	75	9707	4.675	ug/l #	51
38) Carbon Tetrachloride	7.789	117	10969	5.051	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	40303	47.295	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40303	97.073	ug/l #	7

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

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SB-9(4.5-5)

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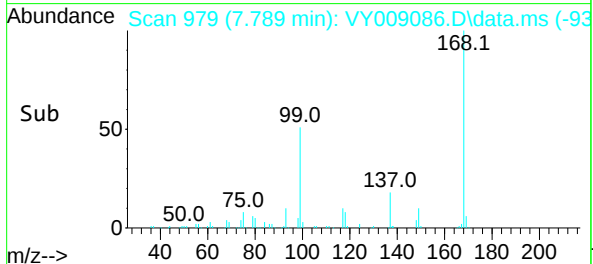
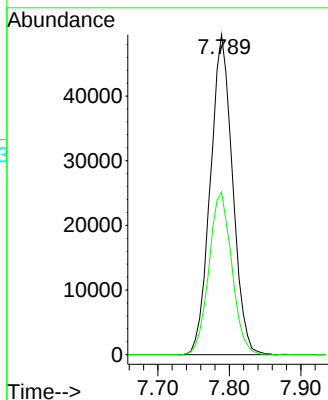
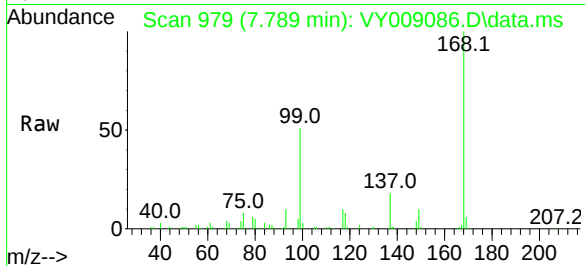




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

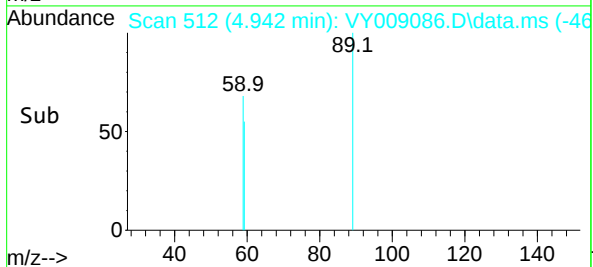
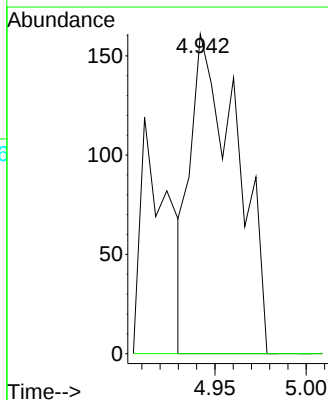
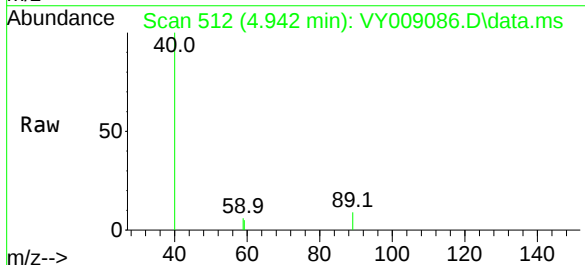
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(4.5-5)

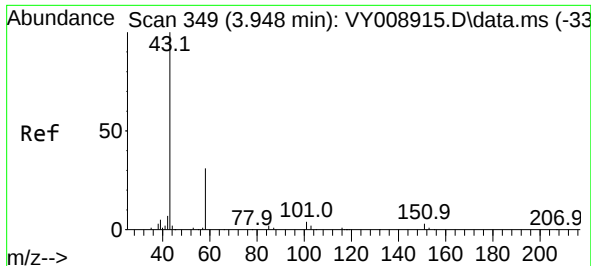
Tgt Ion:168 Resp: 106845
Ion Ratio Lower Upper
168 100
99 50.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.546 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

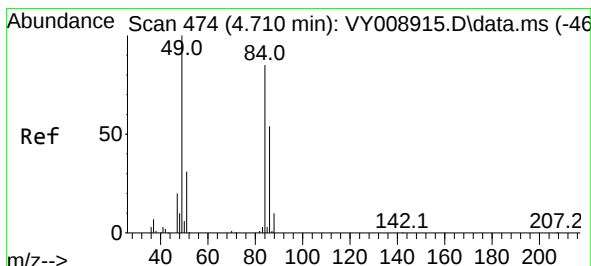
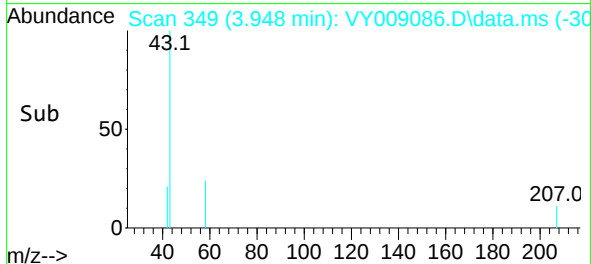
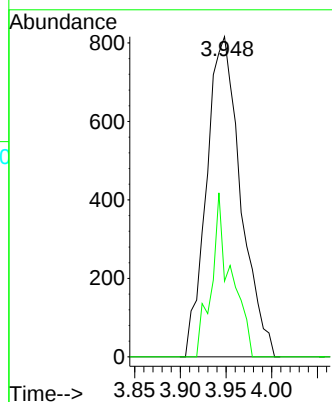
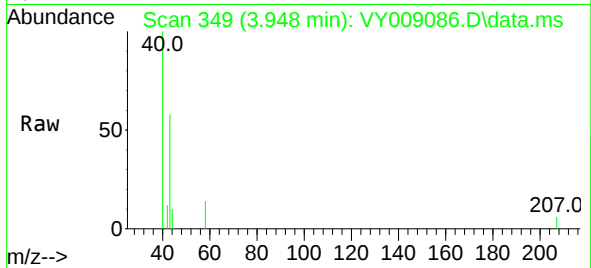




#16
Acetone
Concen: 9.257 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

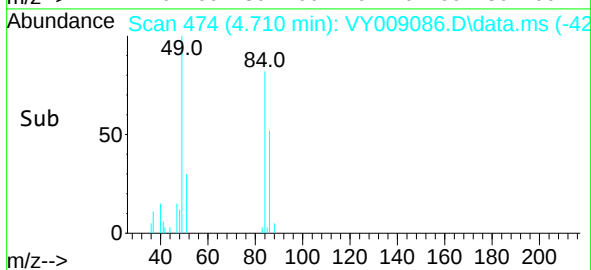
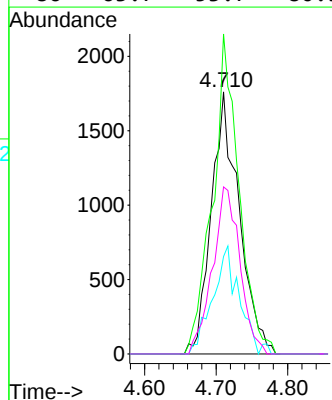
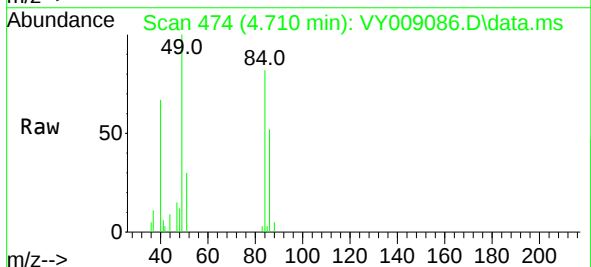
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(4.5-5)

Tgt Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
58 23.7 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

Tgt Ion: 84 Resp: 4752
Ion Ratio Lower Upper
84 100
49 122.1 114.4 171.6
51 37.1 35.3 52.9
86 63.7 53.7 80.5

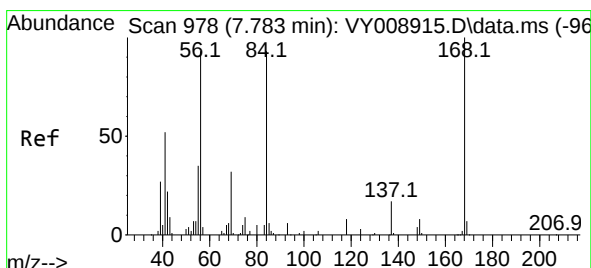
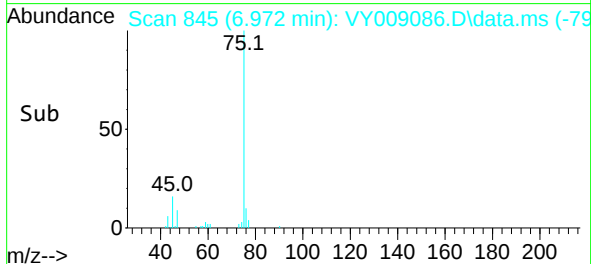
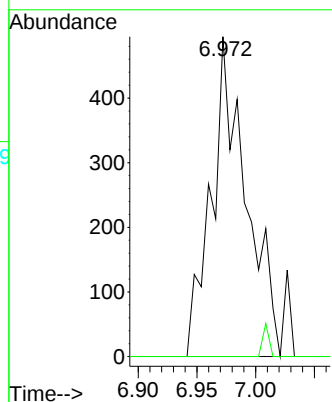
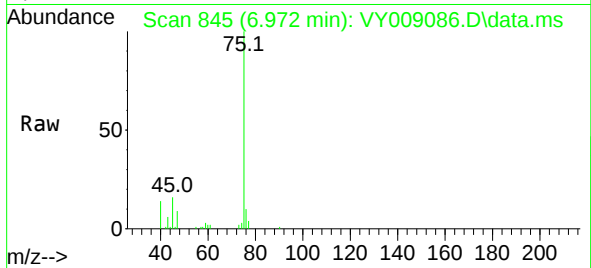




#25
2-Butanone
Concen: 2.488 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

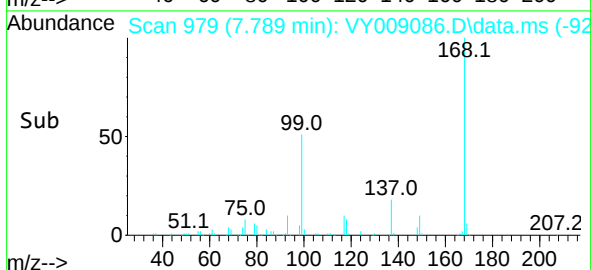
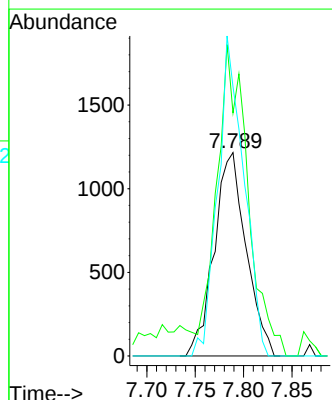
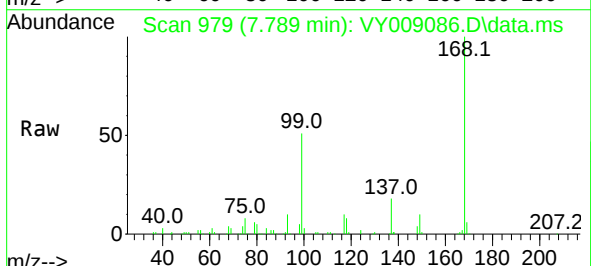
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(4.5-5)

Tgt Ion: 43 Resp: 1017
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

Tgt Ion: 56 Resp: 2801
Ion Ratio Lower Upper
56 100
69 109.3 26.7 40.1#
84 132.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.183 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY009086.D

Acq: 25 May 2022 13:45

Instrument :

MSVOA_Y

ClientSampleId :

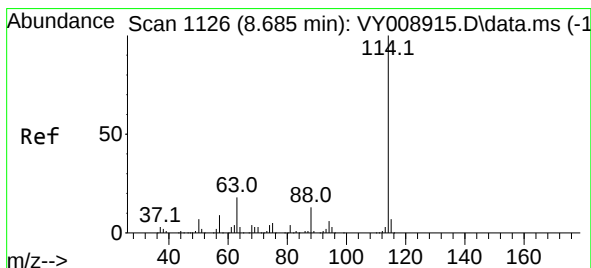
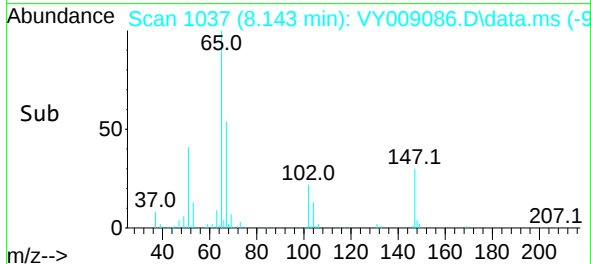
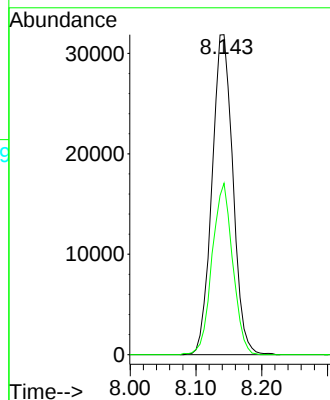
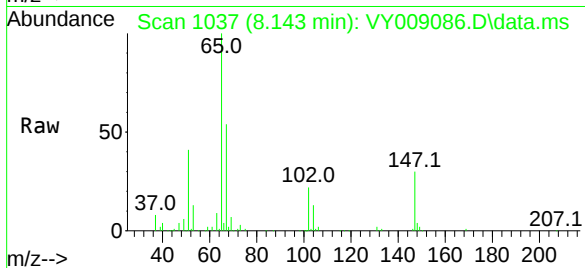
SB-9(4.5-5)

Tgt Ion: 65 Resp: 70578

Ion Ratio Lower Upper

65 100

67 52.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009086.D

Acq: 25 May 2022 13:45

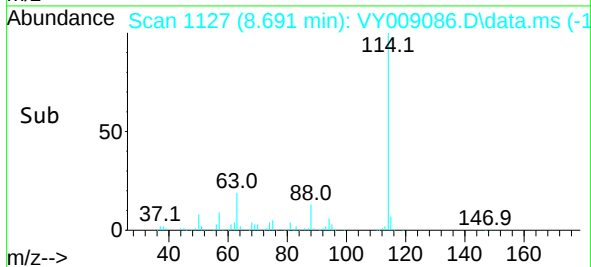
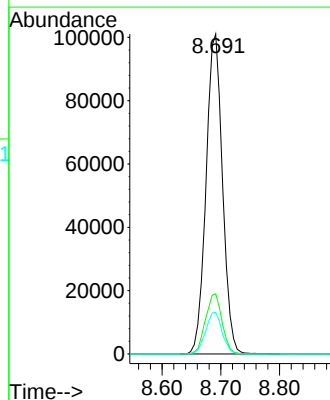
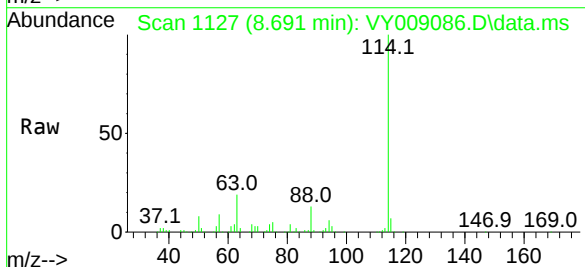
Tgt Ion: 114 Resp: 196186

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 13.0 0.0 31.8

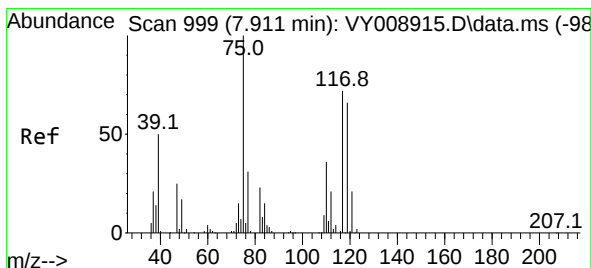
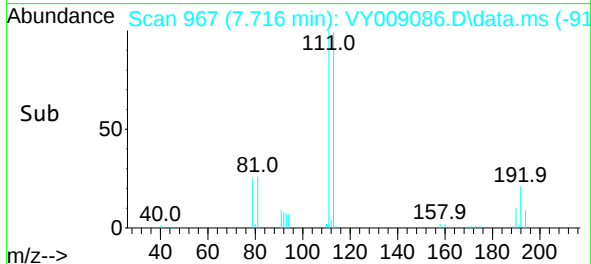
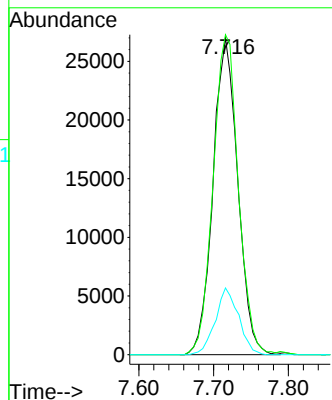
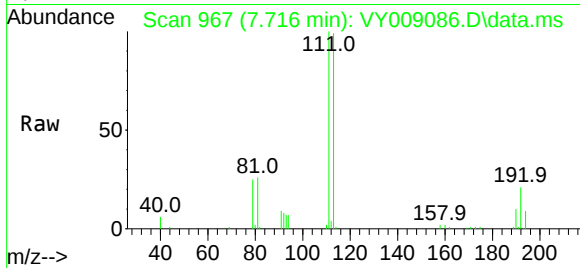




#35
Dibromofluoromethane
Concen: 51.092 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

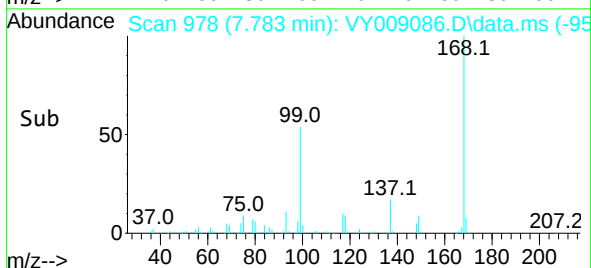
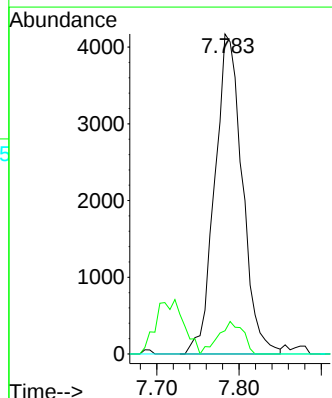
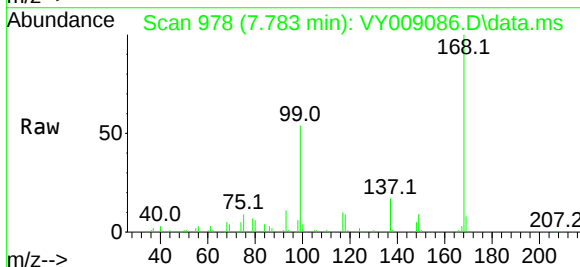
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(4.5-5)

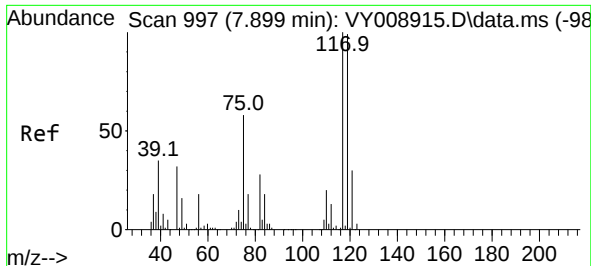
Tgt Ion:113 Resp: 62330
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

Tgt Ion: 75 Resp: 9707
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#

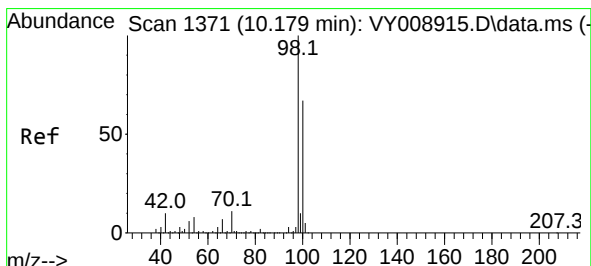
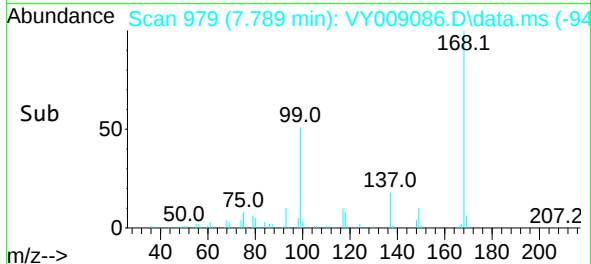
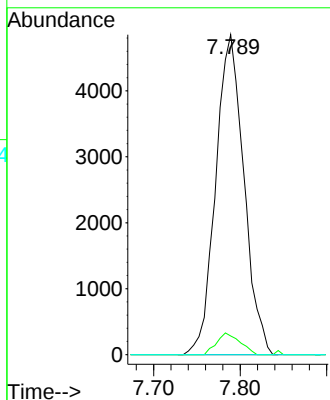
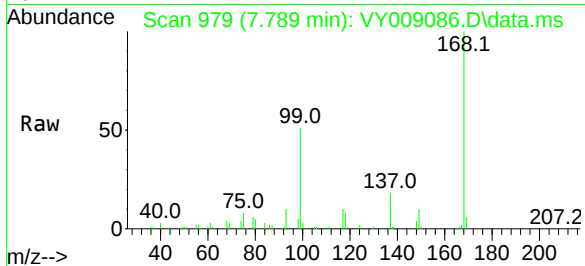




#38
Carbon Tetrachloride
Concen: 5.051 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

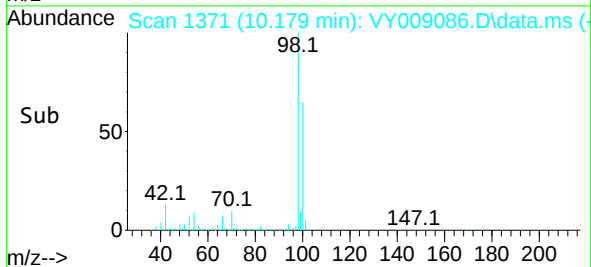
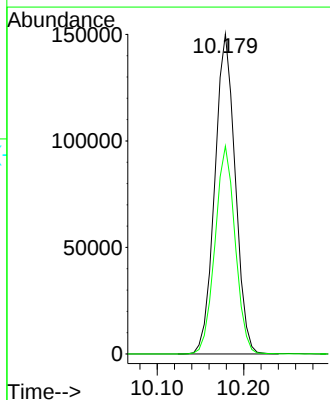
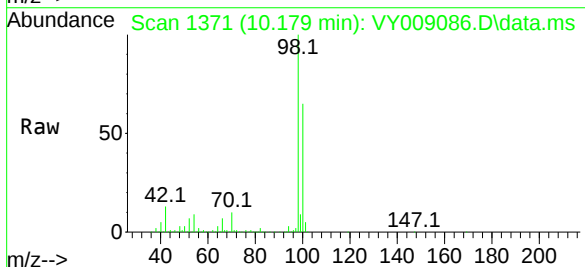
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(4.5-5)

Tgt Ion:117 Resp: 10969
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.637 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009086.D
Acq: 25 May 2022 13:45

Tgt Ion: 98 Resp: 245903
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 37.955 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009086.D

Acq: 25 May 2022 13:45

Instrument :

MSVOA_Y

ClientSampleId :

SB-9(4.5-5)

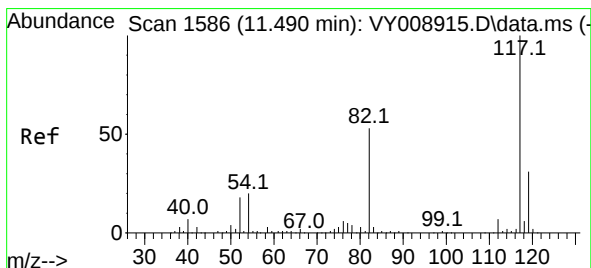
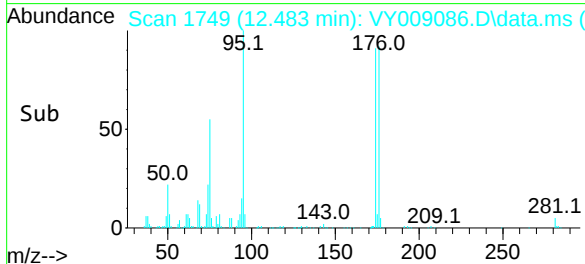
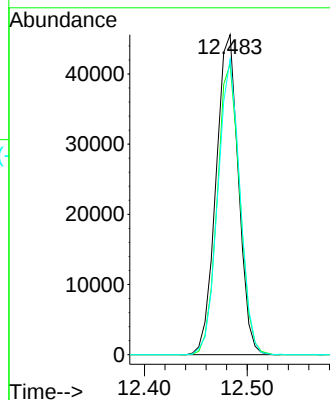
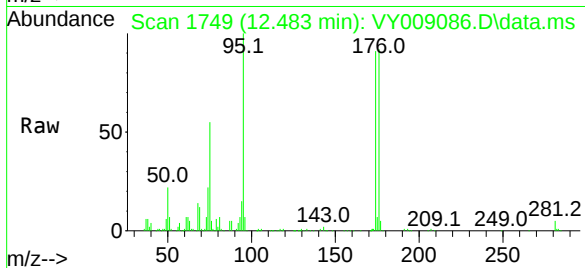
Tgt Ion: 95 Resp: 68907

Ion Ratio Lower Upper

95 100

174 91.2 0.0 177.0

176 90.7 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY009086.D

Acq: 25 May 2022 13:45

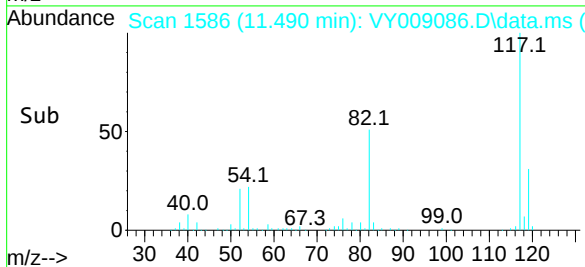
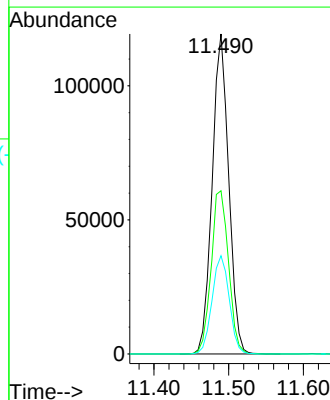
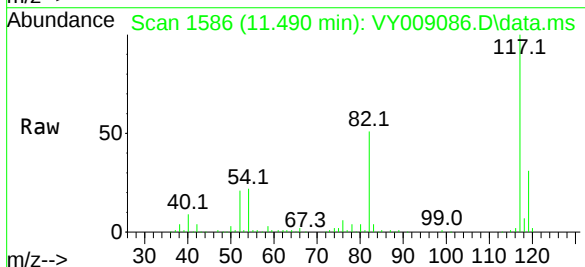
Tgt Ion: 117 Resp: 183219

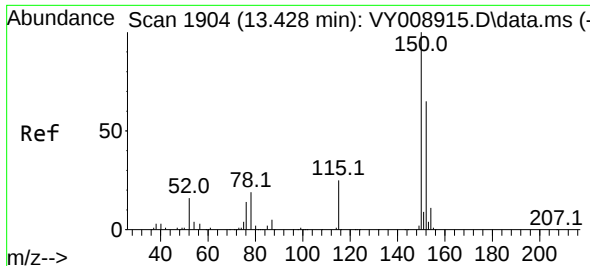
Ion Ratio Lower Upper

117 100

82 51.0 43.0 64.4

119 30.7 25.4 38.0

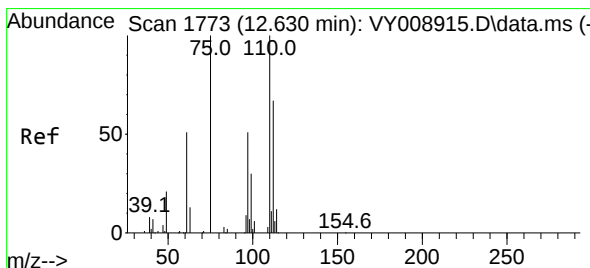
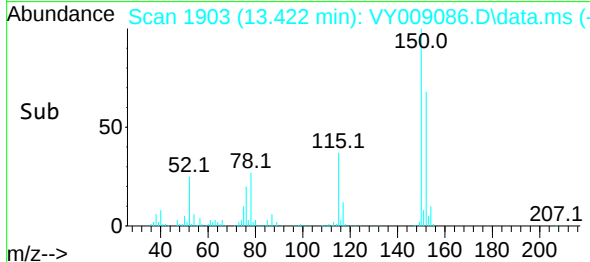
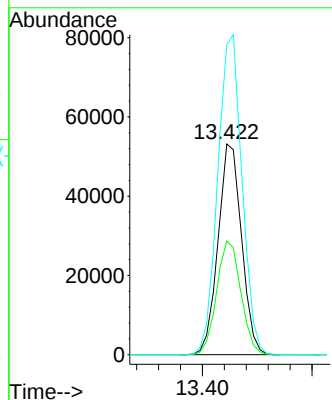
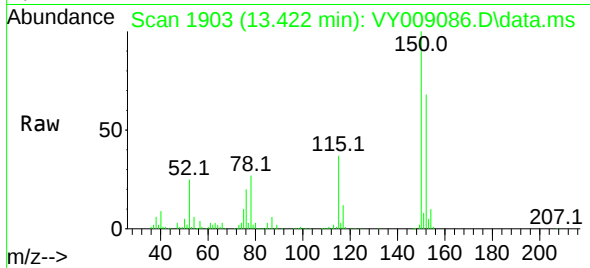




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY009086.D
 Acq: 25 May 2022 13:45

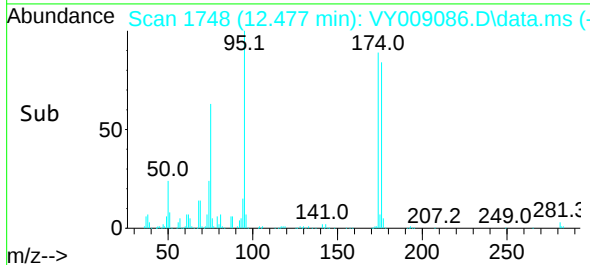
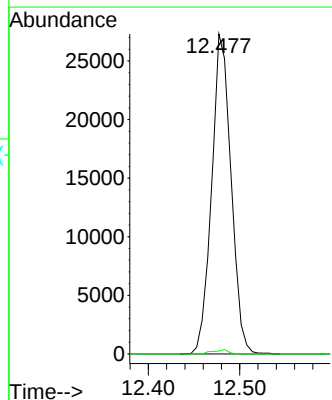
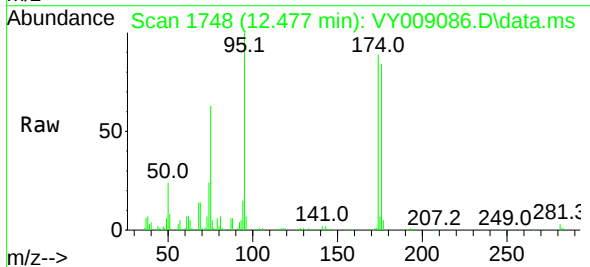
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9(4.5-5)

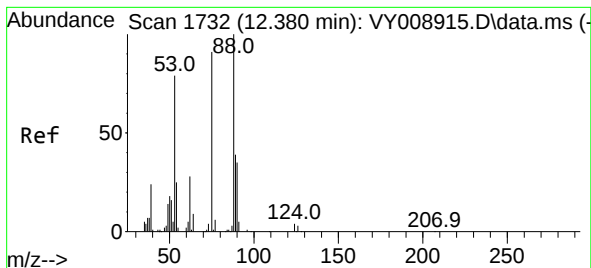
Tgt Ion:152 Resp: 79354
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.2 84.7
 150 156.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 47.295 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009086.D
 Acq: 25 May 2022 13:45

Tgt Ion: 75 Resp: 40303
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.073 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY009086.D
 Acq: 25 May 2022 13:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9(4.5-5)

Tgt Ion: 75 Resp: 40303
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

