

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009085.D
 Acq On : 25 May 2022 13:22
 Operator : KP/MD
 Sample : N2981-13
 Misc : 3.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9(0.5-1)

Quant Time: May 26 04:27:58 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)

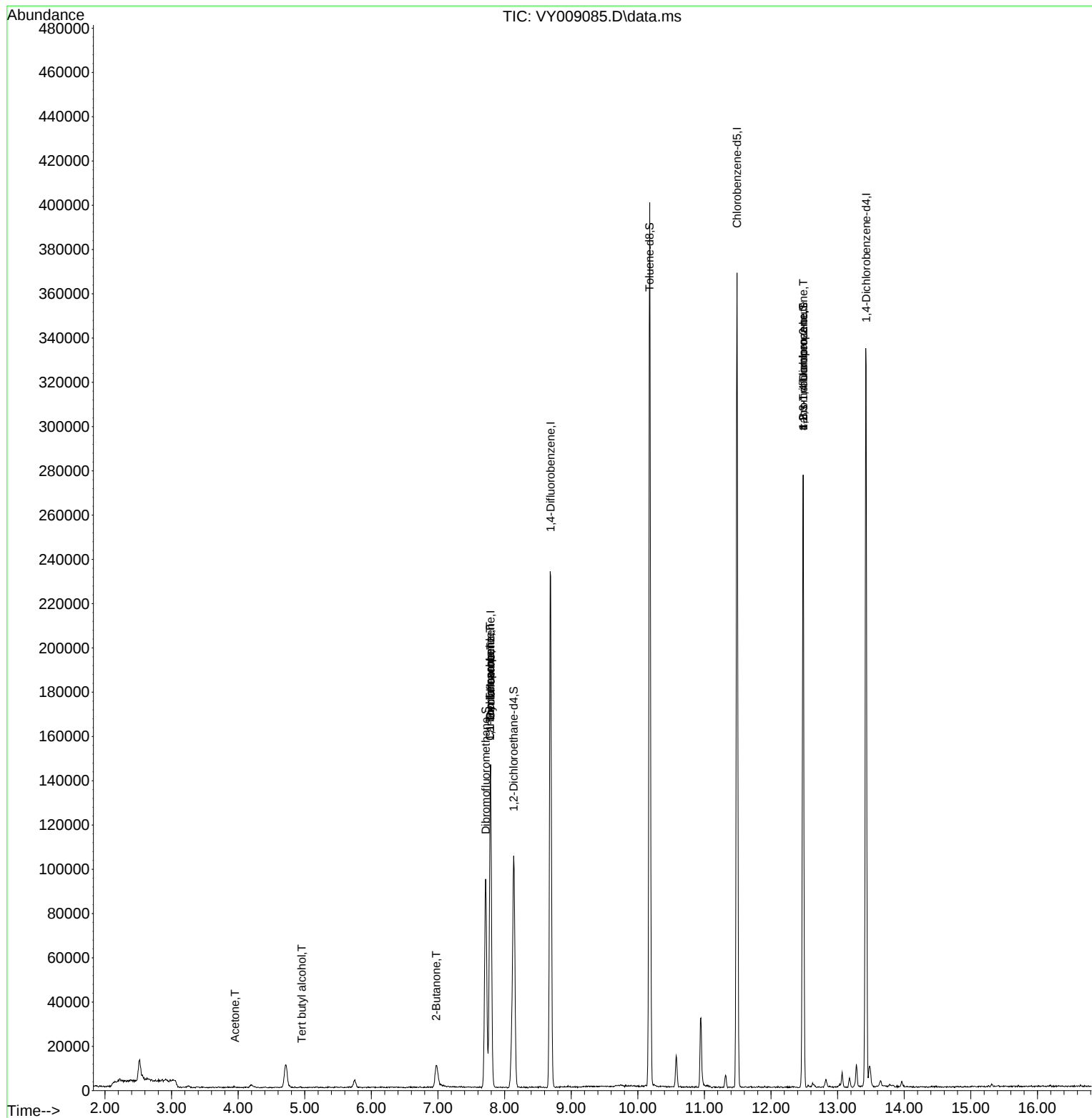
Internal Standards						
1) Pentafluorobenzene	7.789	168	107932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	196871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	184465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69665	62.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.440%	
35) Dibromofluoromethane	7.716	113	62608	51.141	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.280%	
50) Toluene-d8	10.179	98	245225	54.297	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.600%	
62) 4-Bromofluorobenzene	12.483	95	69456	38.124	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	230	2.041	ug/l #	77
16) Acetone	3.954	43	420	1.816	ug/l #	77
20) Methylene Chloride	4.716	84	7644	Below Cal		87
25) 2-Butanone	6.972	43	493	1.194	ug/l #	54
31) Cyclohexane	7.789	56	2715	1.249	ug/l #	42
36) 1,1-Dichloropropene	7.783	75	9308	4.468	ug/l #	51
38) Carbon Tetrachloride	7.783	117	10837	4.972	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	40385	47.227	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40385	96.933	ug/l #	7

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

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SB-9(0.5-1)

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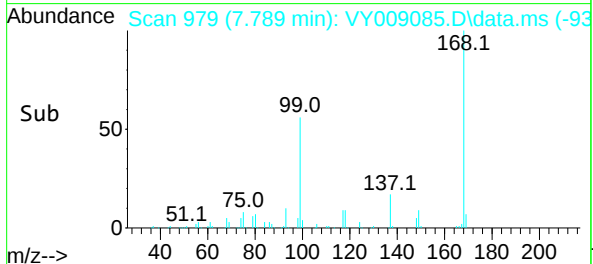
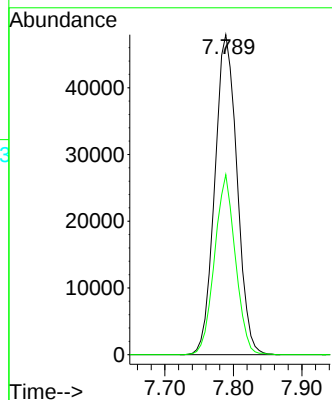
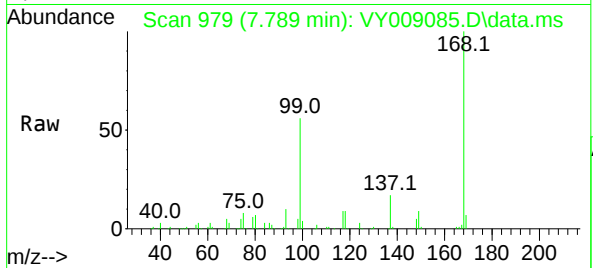




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009085.D
Acq: 25 May 2022 13:22

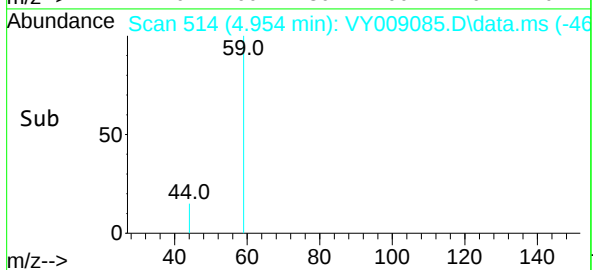
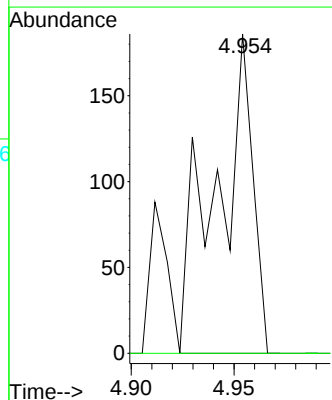
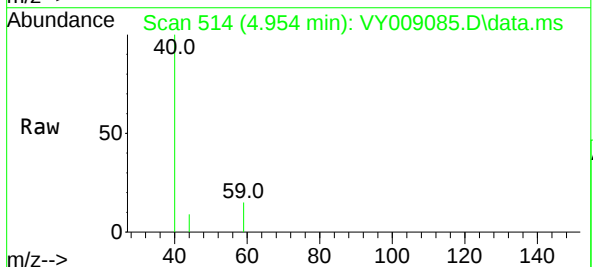
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(0.5-1)

Tgt Ion:168 Resp: 107932
Ion Ratio Lower Upper
168 100
99 56.2 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.041 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY009085.D
Acq: 25 May 2022 13:22

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

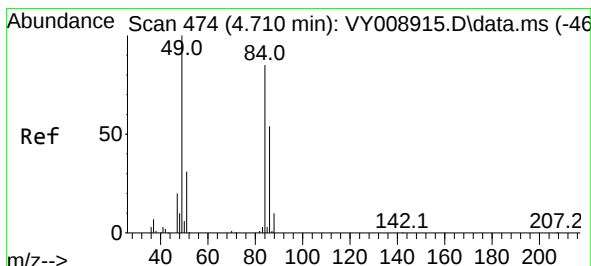
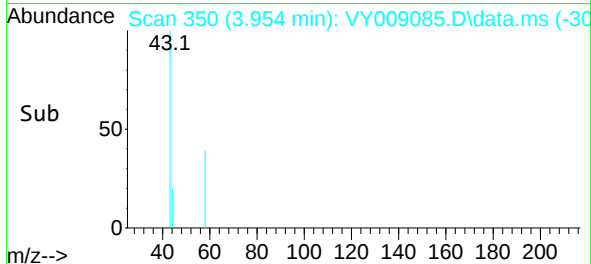
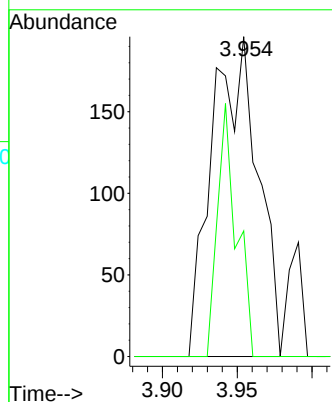
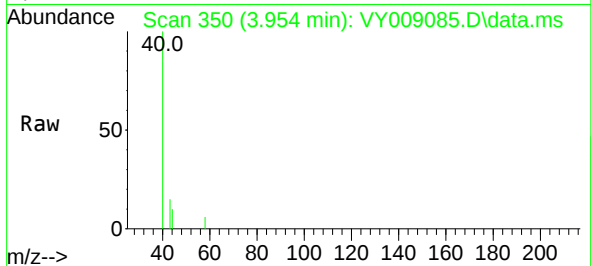




#16
Acetone
Concen: 1.816 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY009085.D
Acq: 25 May 2022 13:22

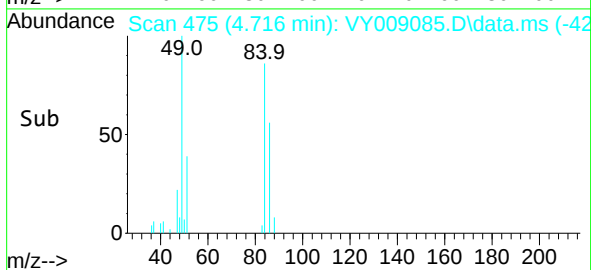
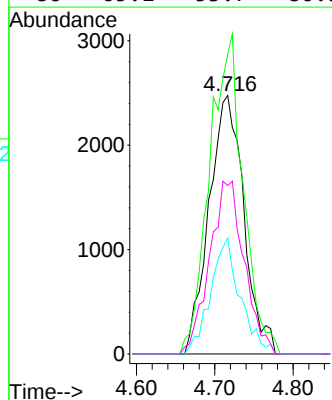
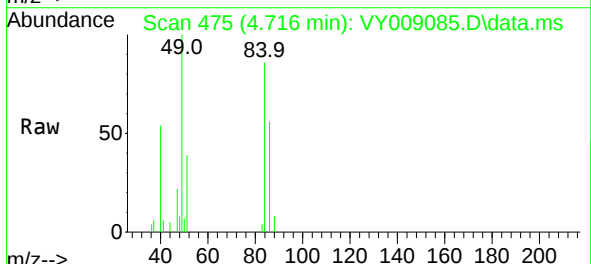
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(0.5-1)

Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 39.3 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY009085.D
Acq: 25 May 2022 13:22

Tgt Ion: 84 Resp: 7644
Ion Ratio Lower Upper
84 100
49 116.0 114.4 171.6
51 44.9 35.3 52.9
86 65.1 53.7 80.5





#25

2-Butanone

Concen: 1.194 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY009085.D

Acq: 25 May 2022 13:22

Instrument :

MSVOA_Y

ClientSampleId :

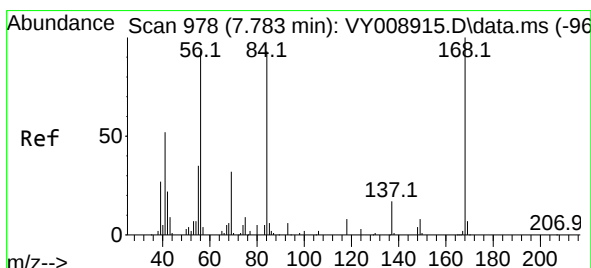
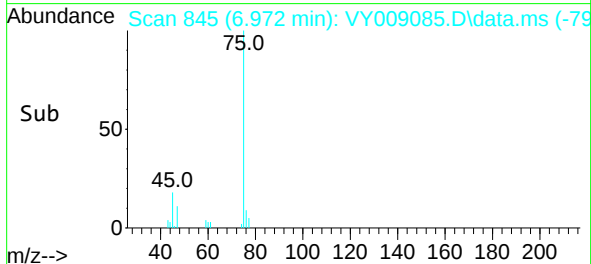
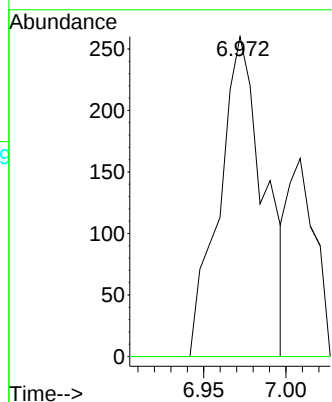
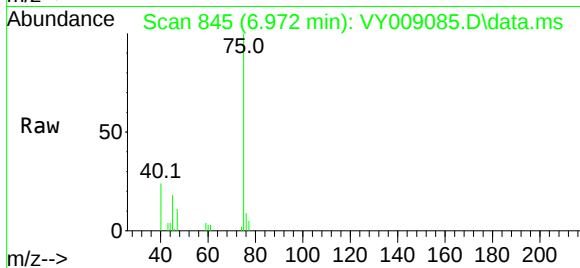
SB-9(0.5-1)

Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.249 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY009085.D

Acq: 25 May 2022 13:22

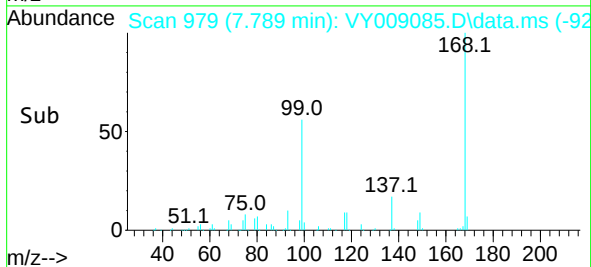
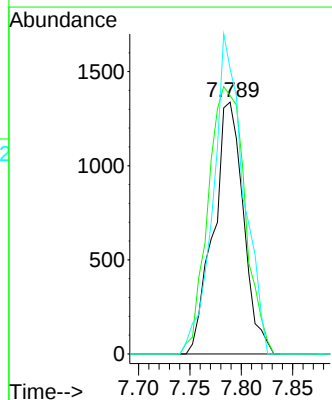
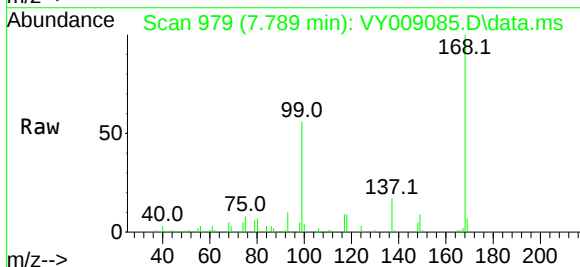
Tgt Ion: 56 Resp: 2715

Ion Ratio Lower Upper

56 100

69 102.6 26.7 40.1#

84 113.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.715 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY009085.D

Acq: 25 May 2022 13:22

Instrument :

MSVOA_Y

ClientSampleId :

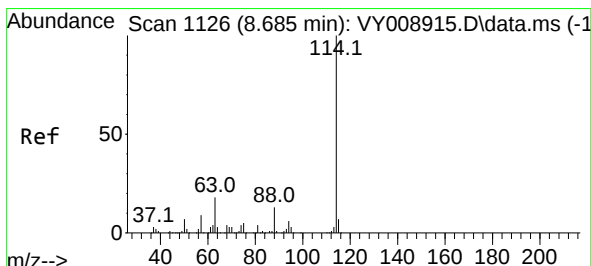
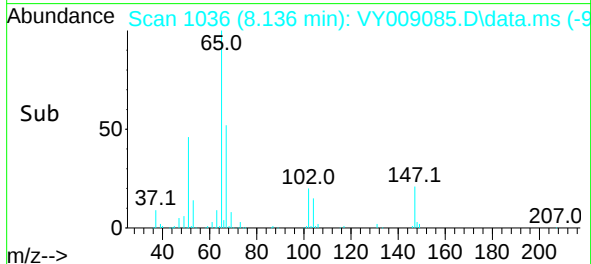
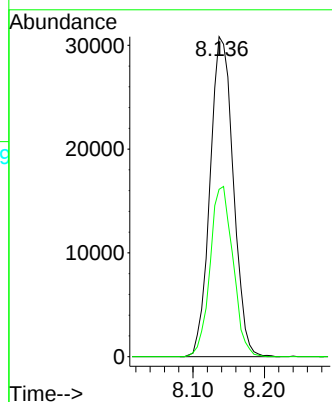
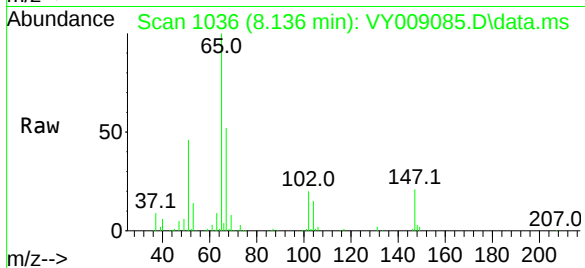
SB-9(0.5-1)

Tgt Ion: 65 Resp: 69665

Ion Ratio Lower Upper

65 100

67 52.4 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: VY009085.D

Acq: 25 May 2022 13:22

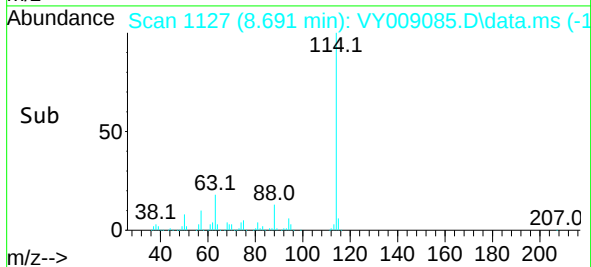
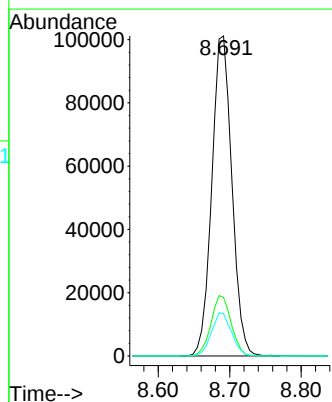
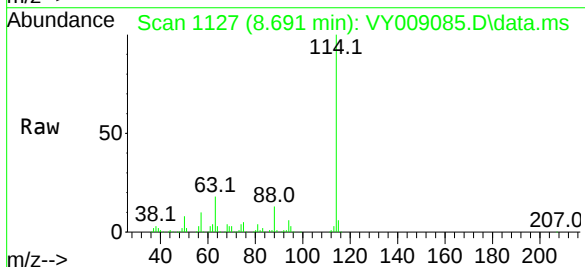
Tgt Ion: 114 Resp: 196871

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 13.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.141 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY009085.D

Acq: 25 May 2022 13:22

Instrument :

MSVOA_Y

ClientSampleId :

SB-9(0.5-1)

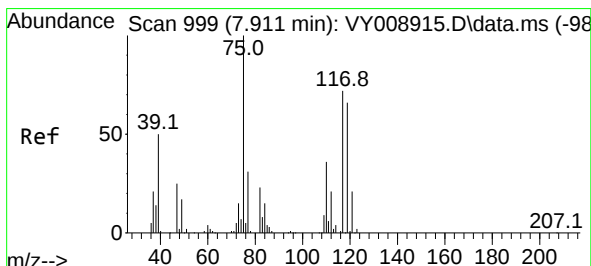
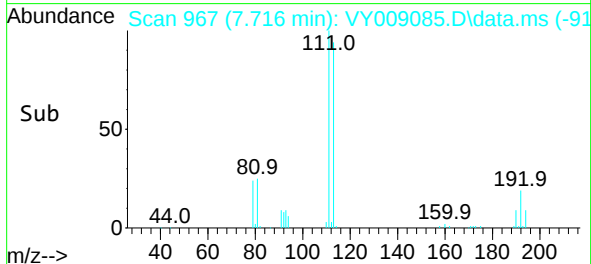
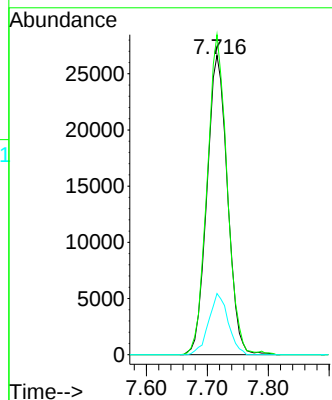
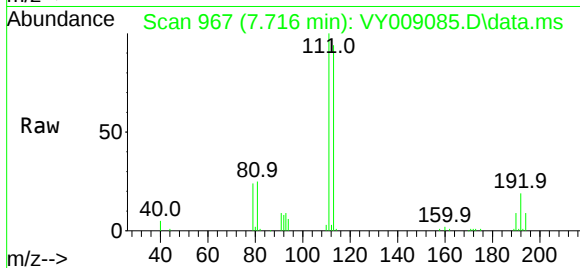
Tgt Ion:113 Resp: 62608

Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 19.3 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.468 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY009085.D

Acq: 25 May 2022 13:22

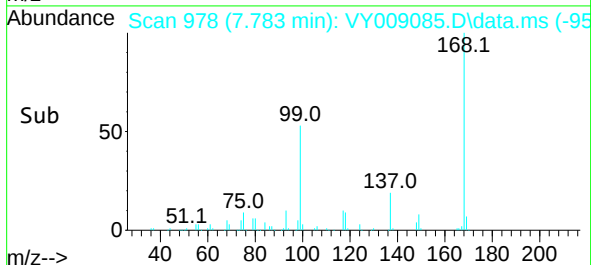
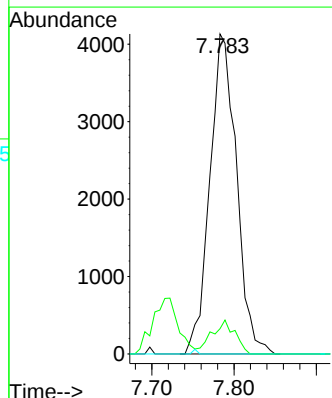
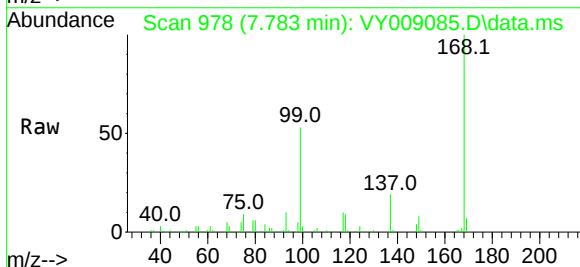
Tgt Ion: 75 Resp: 9308

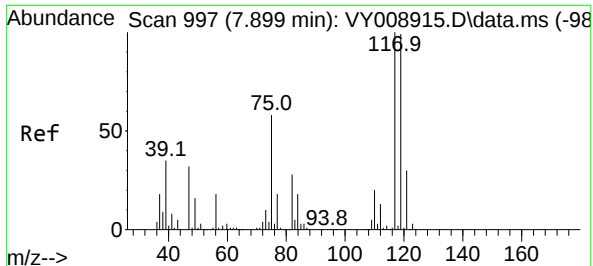
Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#

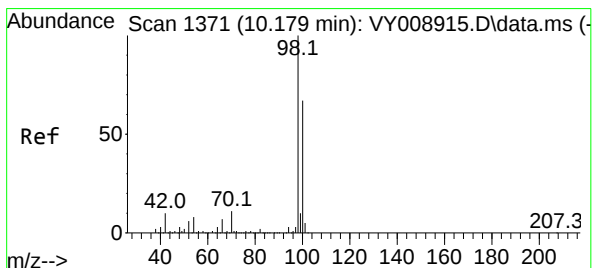
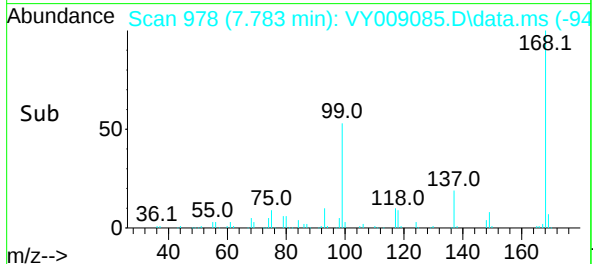
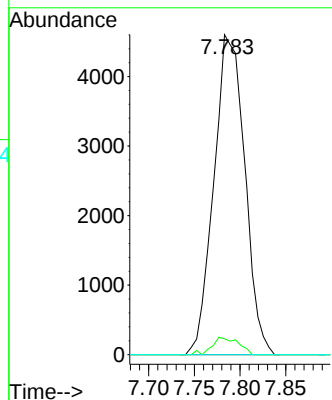
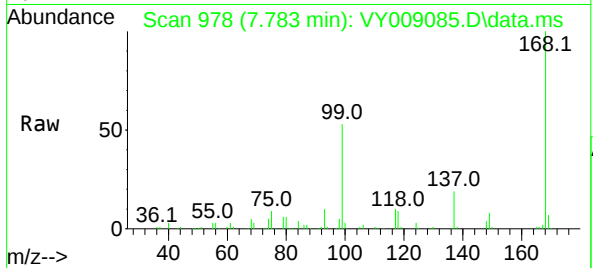




#38
Carbon Tetrachloride
Concen: 4.972 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009085.D
Acq: 25 May 2022 13:22

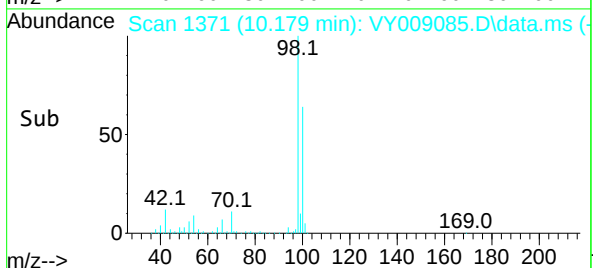
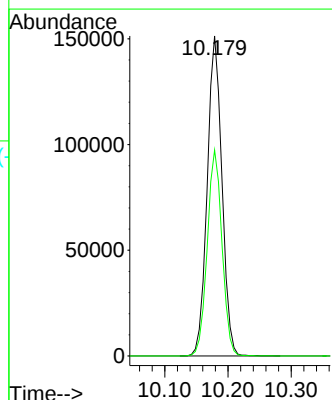
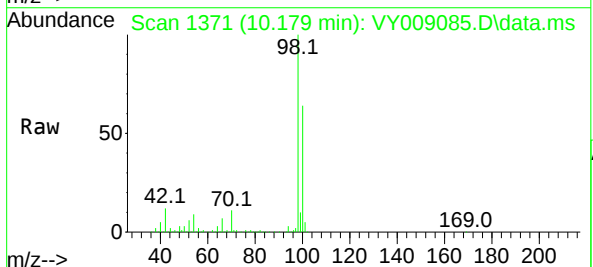
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(0.5-1)

Tgt Ion:117 Resp: 10837
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.297 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009085.D
Acq: 25 May 2022 13:22

Tgt Ion: 98 Resp: 245225
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2

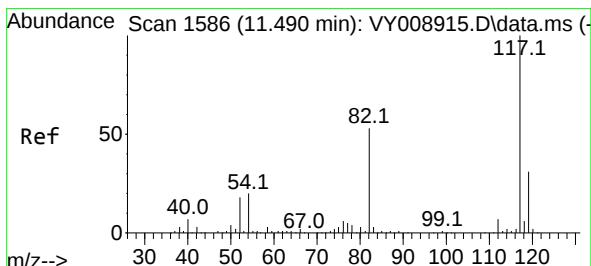
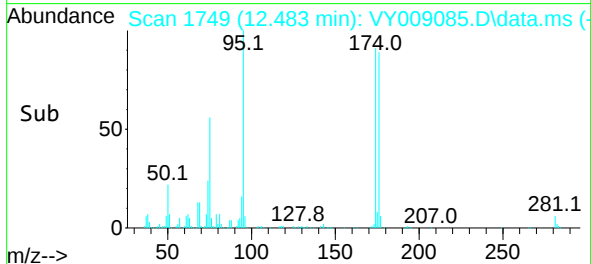
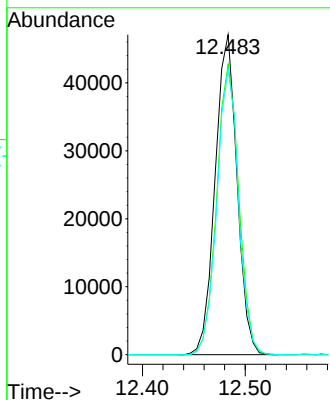
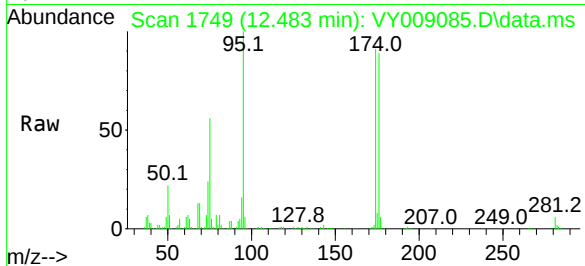




#62
4-Bromofluorobenzene
Concen: 38.124 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009085.D
Acq: 25 May 2022 13:22

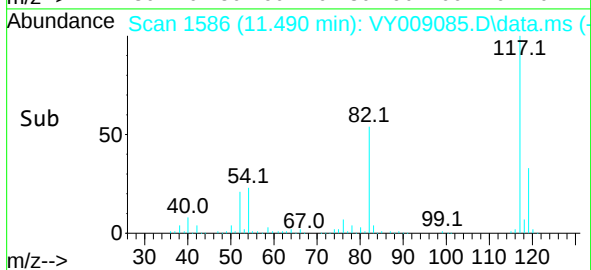
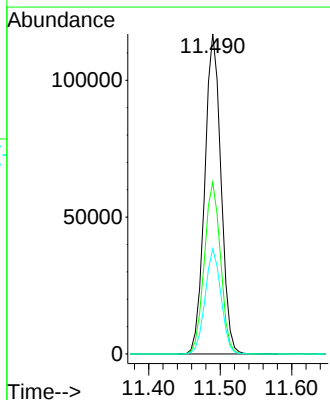
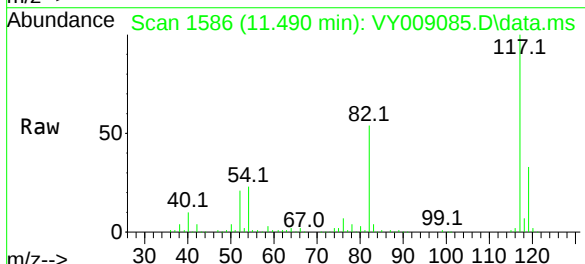
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(0.5-1)

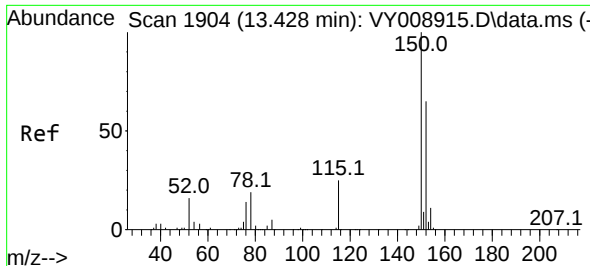
Tgt Ion: 95 Resp: 69456
Ion Ratio Lower Upper
95 100
174 92.1 0.0 177.0
176 88.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009085.D
Acq: 25 May 2022 13:22

Tgt Ion: 117 Resp: 184465
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.9 25.4 38.0

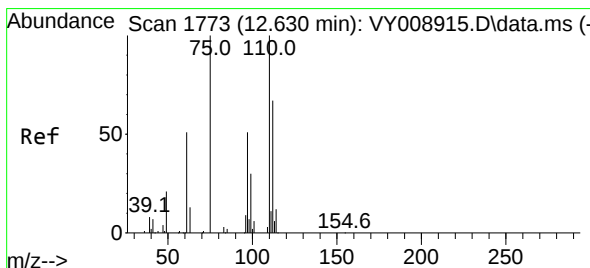
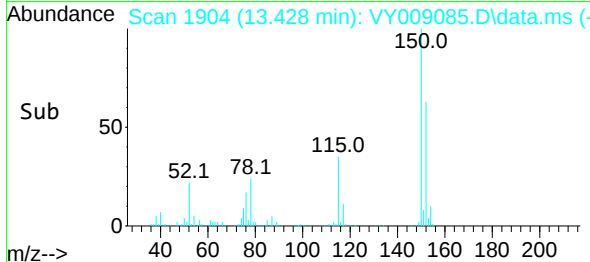
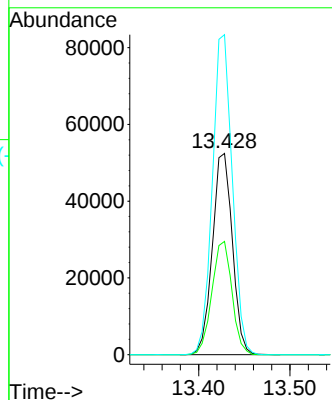
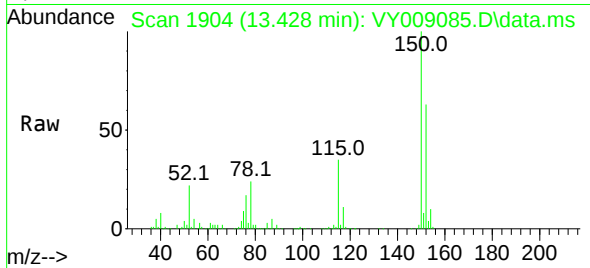




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY009085.D
 Acq: 25 May 2022 13:22

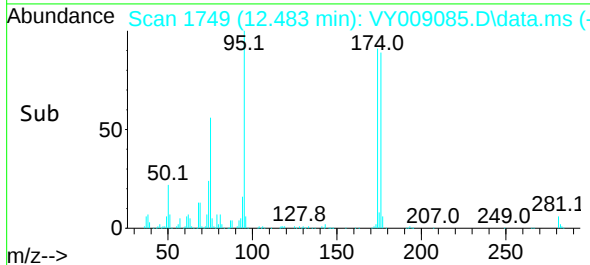
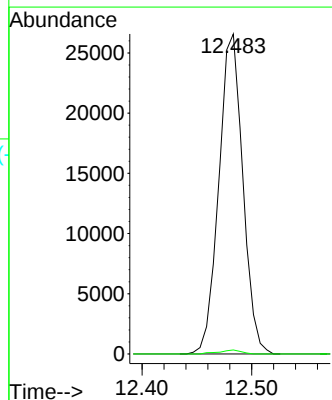
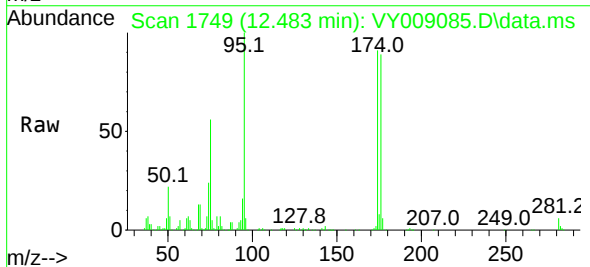
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9(0.5-1)

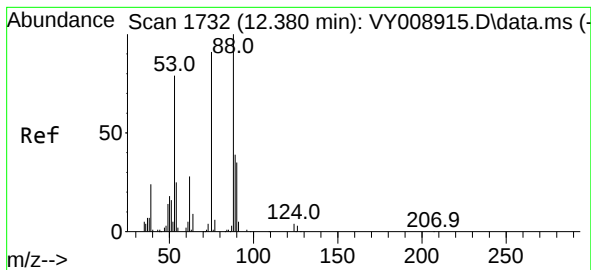
Tgt Ion:152 Resp: 79630
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.2 84.7
 150 158.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 47.227 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY009085.D
 Acq: 25 May 2022 13:22

Tgt Ion: 75 Resp: 40385
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.933 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009085.D
 Acq: 25 May 2022 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9(0.5-1)

Tgt Ion: 75 Resp: 40385
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

