

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061622\
 Data File : VY009209.D
 Acq On : 16 Jun 2022 18:03
 Operator : KP/MD
 Sample : N3301-01
 Misc : 6.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 17 02:27:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

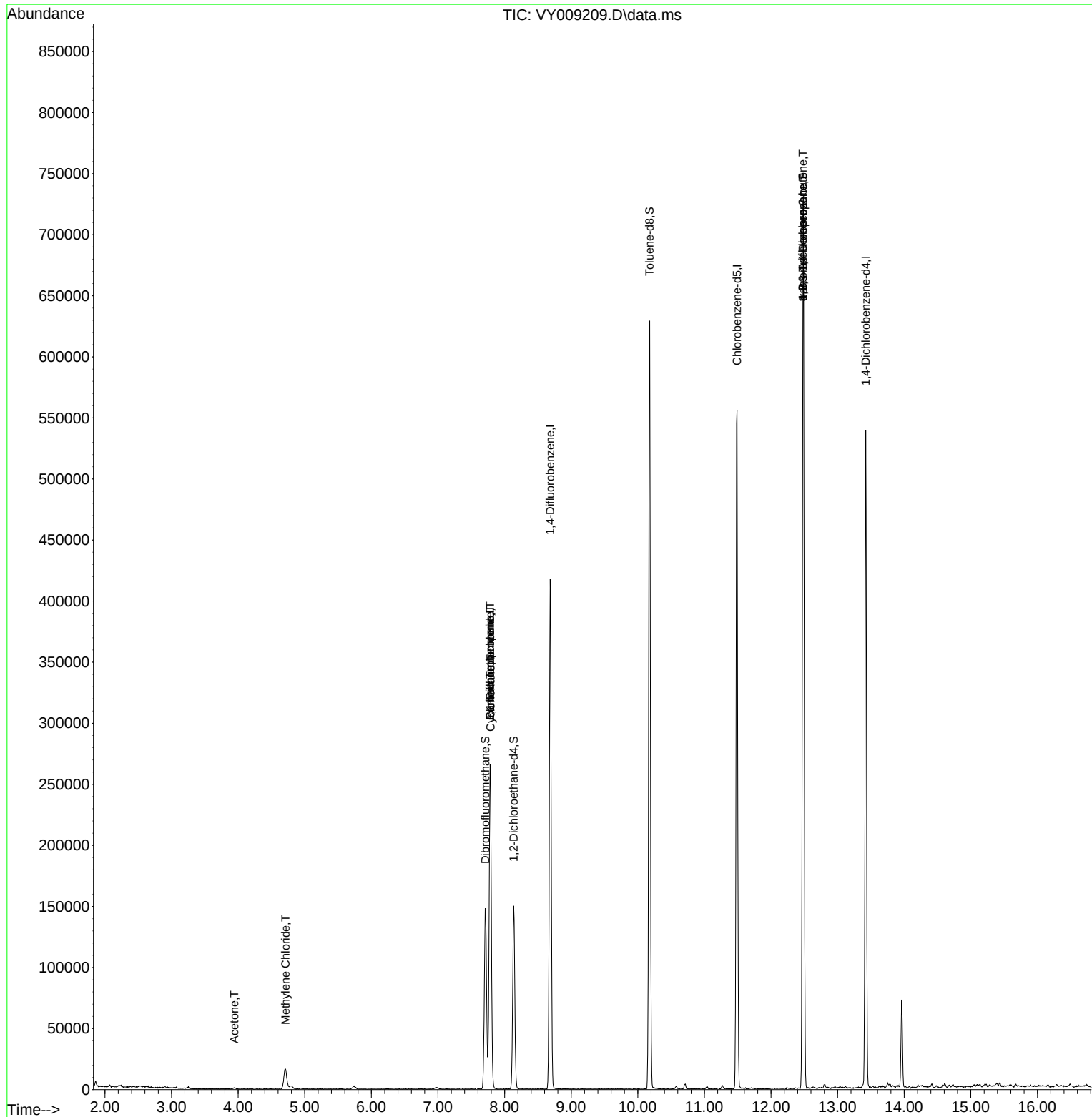
Internal Standards						
1) Pentafluorobenzene	7.783	168	215839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	359146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	308436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111812	49.592	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.180%
35) Dibromofluoromethane	7.710	113	105703	46.943	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.880%
50) Toluene-d8	10.179	98	420857	49.100	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.200%
62) 4-Bromofluorobenzene	12.477	95	134730	44.233	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.460%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	1376	2.423	ug/l #	81
18) Methyl Acetate	4.472	43	105	Below Cal	#	56
20) Methylene Chloride	4.710	84	12532	2.148	ug/l	87
31) Cyclohexane	7.789	56	4254	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15831	4.571	ug/l #	51
38) Carbon Tetrachloride	7.783	117	19703	5.501	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	71137	48.444	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	71137	96.543	ug/l #	8

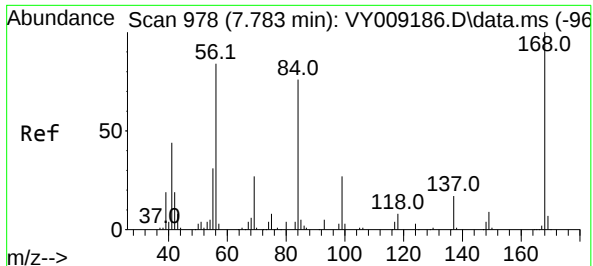
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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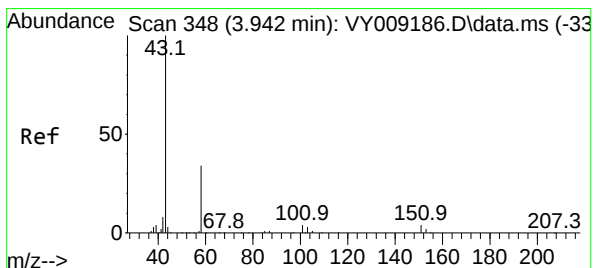
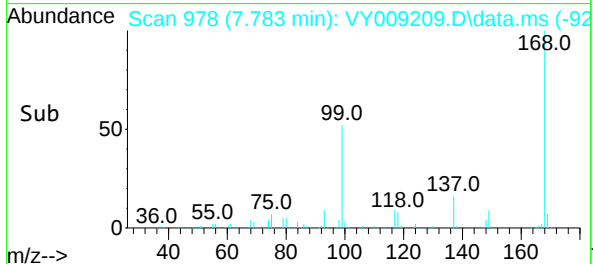
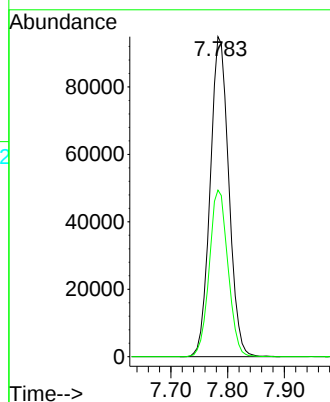
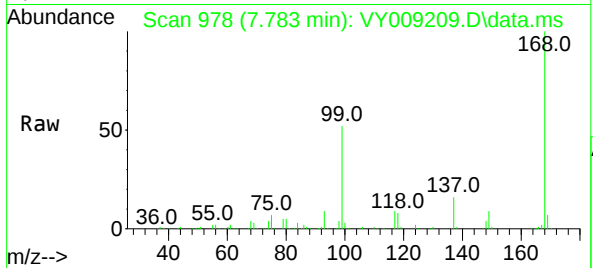




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

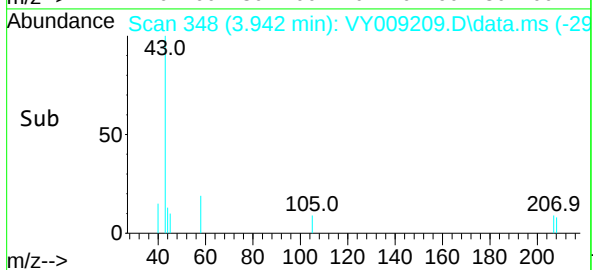
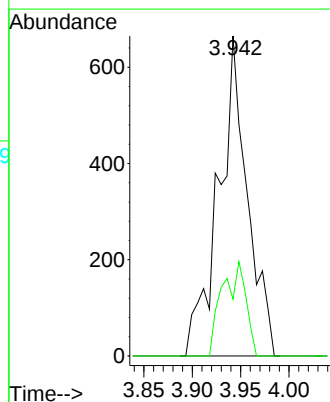
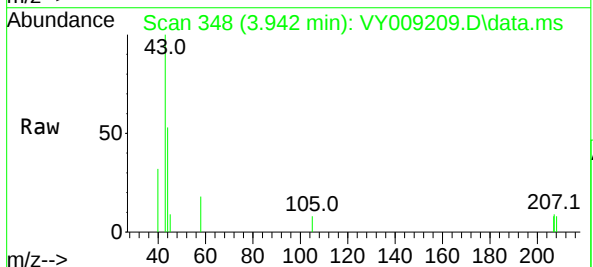
Instrument :
MSVOA_Y
ClientSampleId :

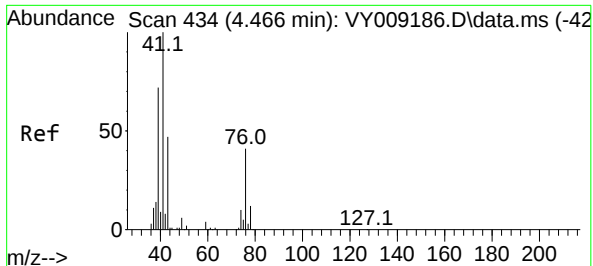
Tgt Ion:168 Resp: 215839
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#16
Acetone
Concen: 2.423 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
58 17.7 22.0 33.0#

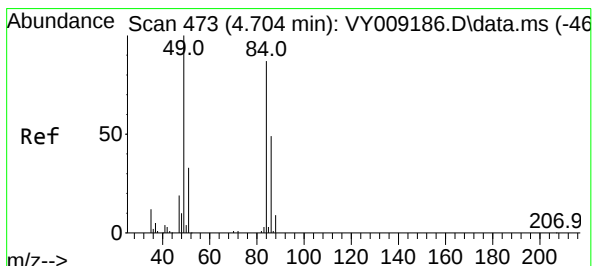
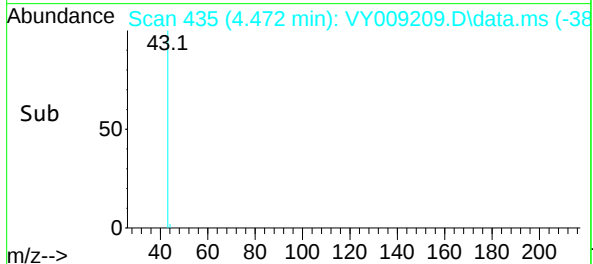
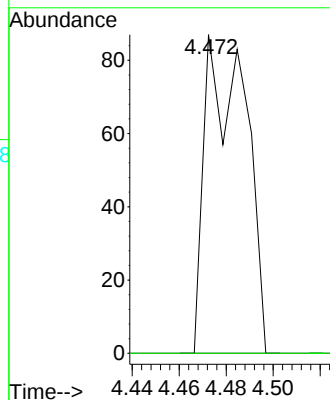
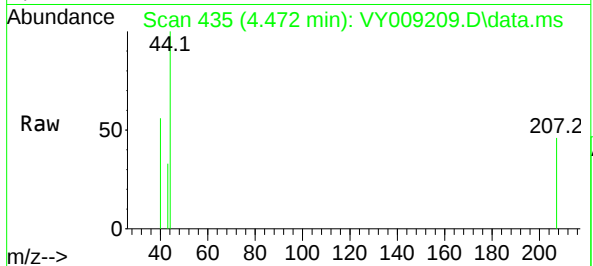




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

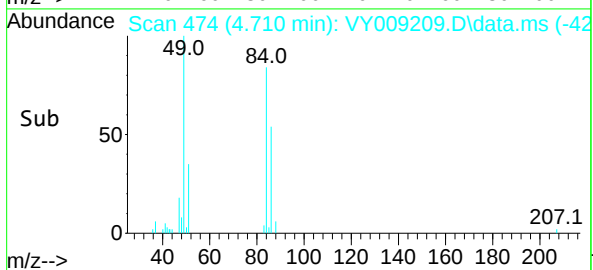
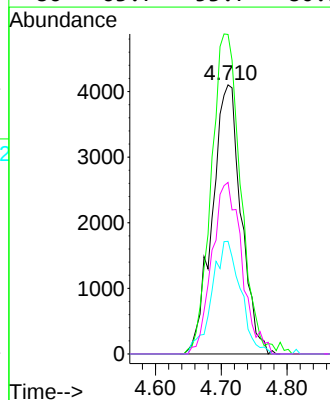
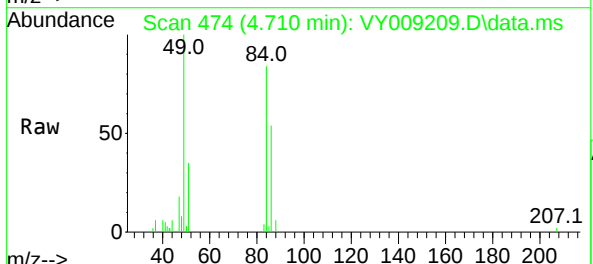
Instrument :
MSVOA_Y
ClientSampleId :

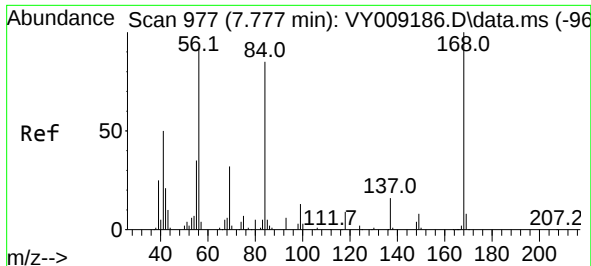
Tgt Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 2.148 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

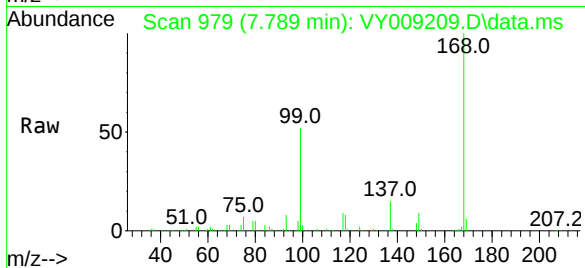
Tgt Ion: 84 Resp: 12532
Ion Ratio Lower Upper
84 100
49 118.7 114.4 171.6
51 41.9 35.3 52.9
86 63.7 53.7 80.5



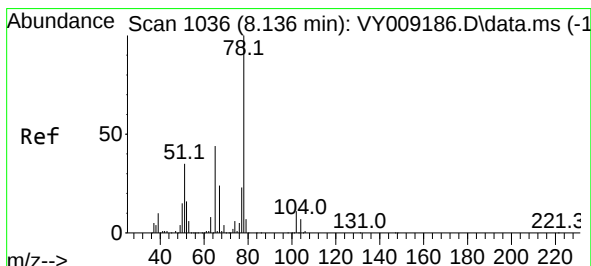
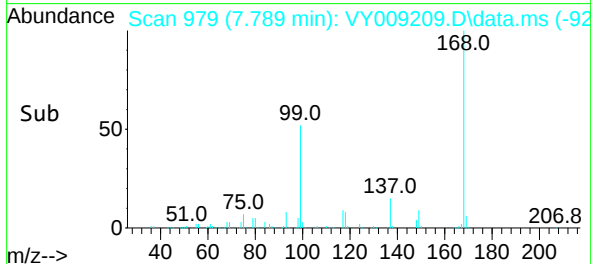
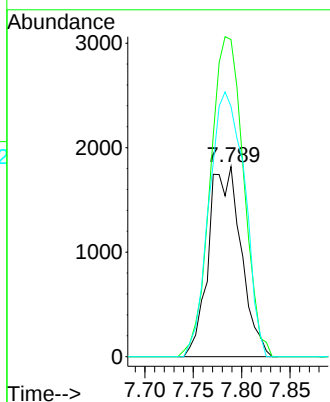


#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :

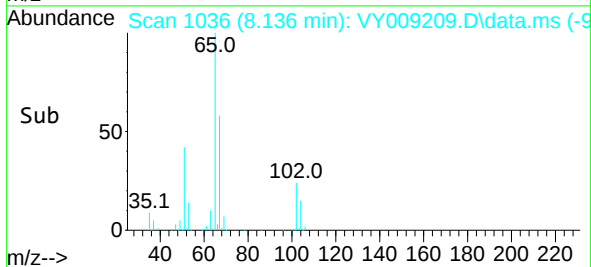
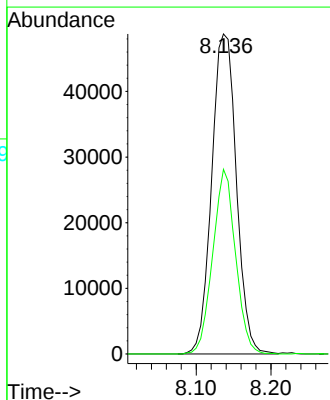
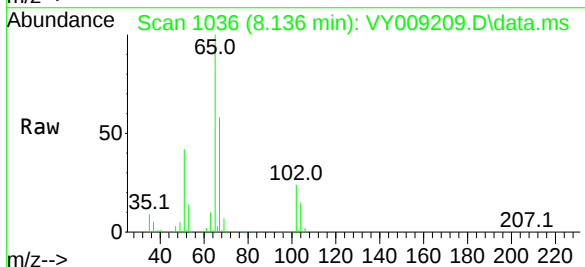


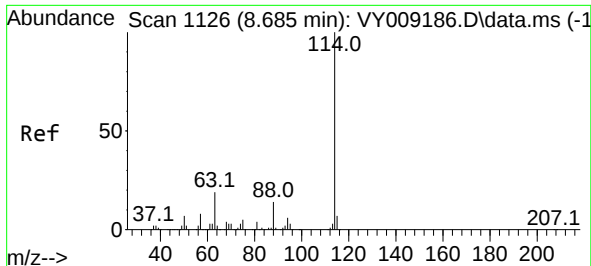
Tgt Ion: 56 Resp: 4254
Ion Ratio Lower Upper
56 100
69 166.8 26.7 40.1#
84 131.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 49.592 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

Tgt Ion: 65 Resp: 111812
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009209.D

Acq: 16 Jun 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :

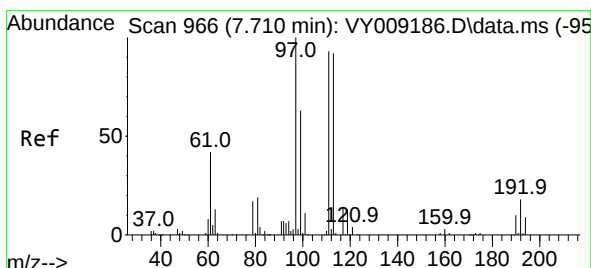
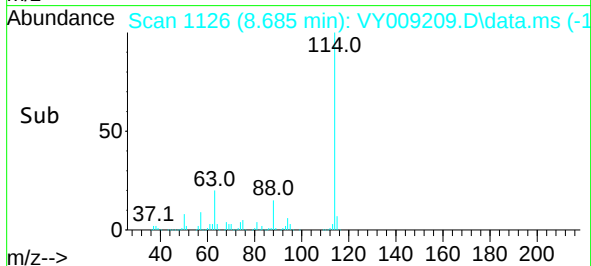
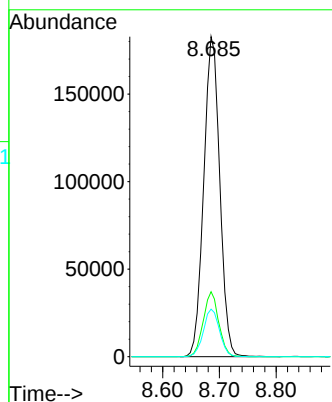
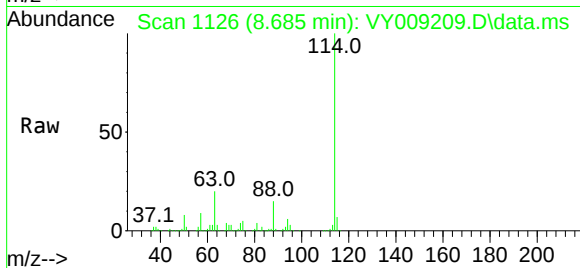
Tgt Ion:114 Resp: 359146

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.943 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009209.D

Acq: 16 Jun 2022 18:03

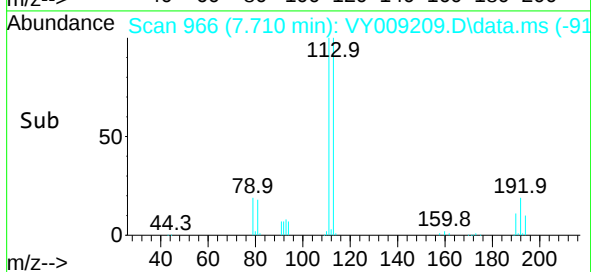
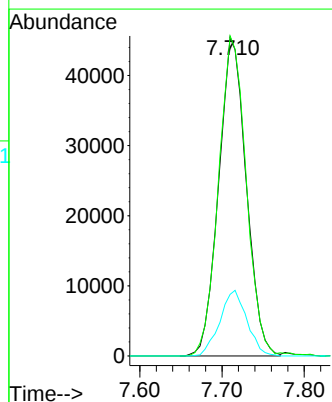
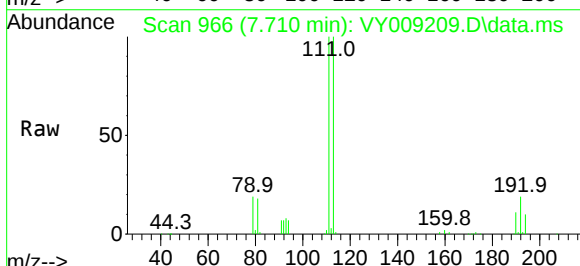
Tgt Ion:113 Resp: 105703

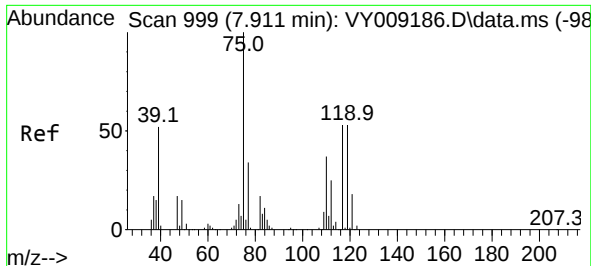
Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

192 20.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.571 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009209.D

Acq: 16 Jun 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :

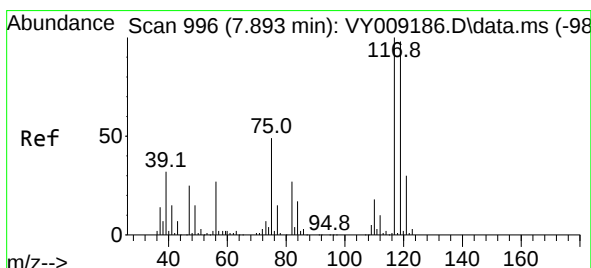
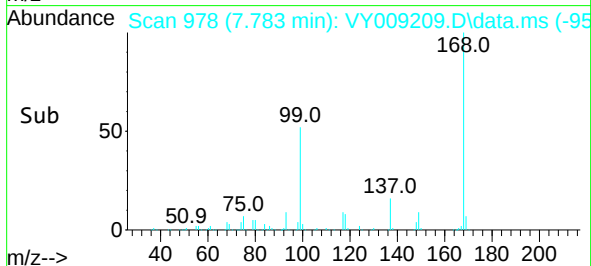
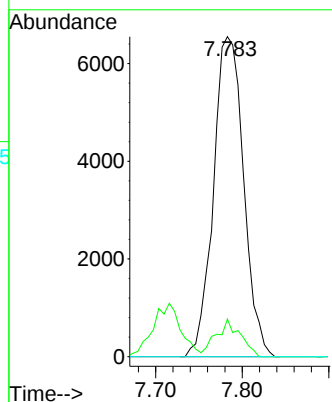
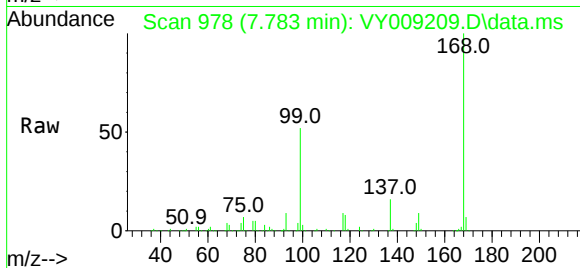
Tgt Ion: 75 Resp: 15831

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.501 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY009209.D

Acq: 16 Jun 2022 18:03

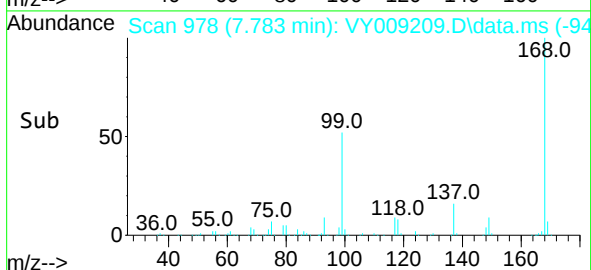
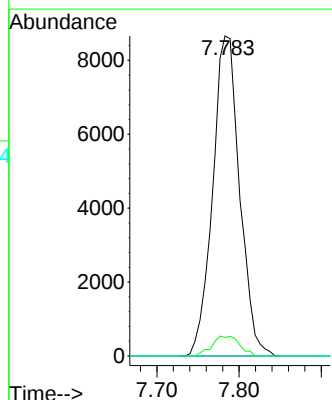
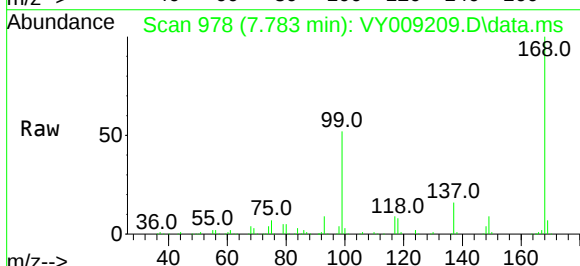
Tgt Ion: 117 Resp: 19703

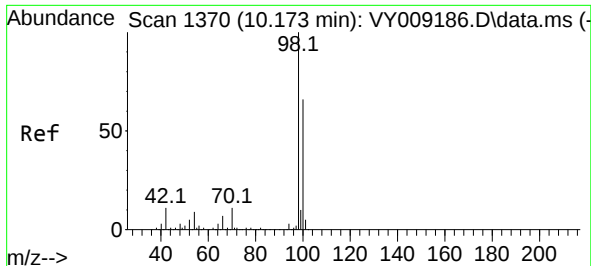
Ion Ratio Lower Upper

117 100

119 5.8 77.9 116.9#

121 0.0 24.8 37.2#

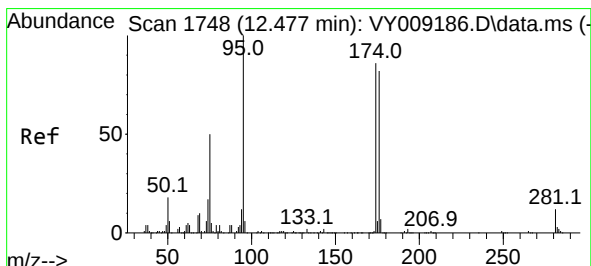
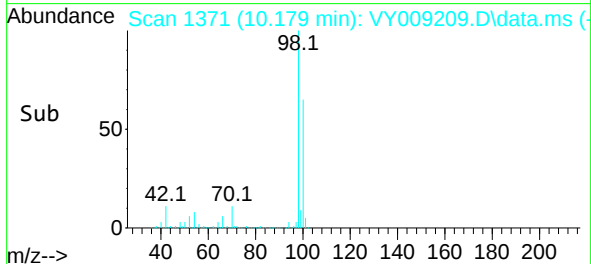
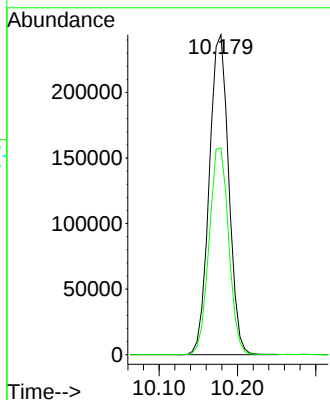
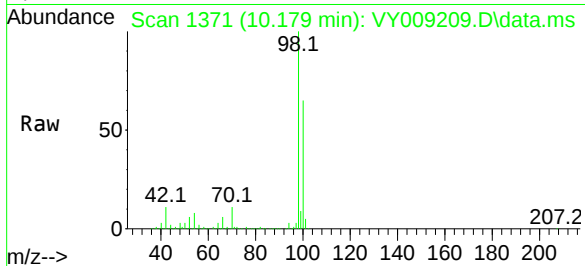




#50
Toluene-d8
Concen: 49.100 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

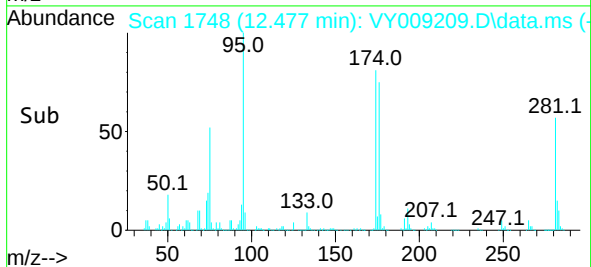
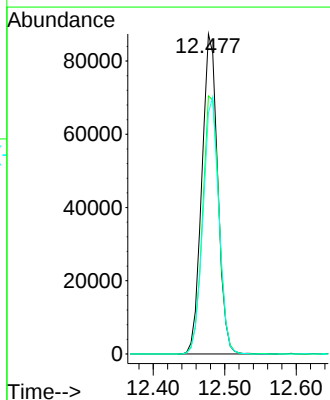
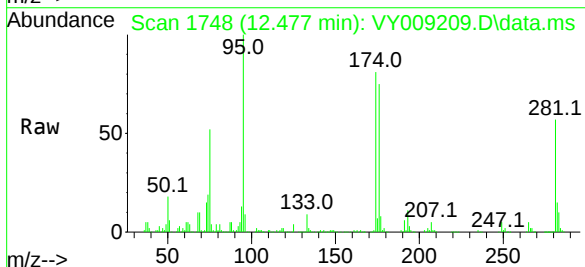
Instrument :
MSVOA_Y
ClientSampleId :

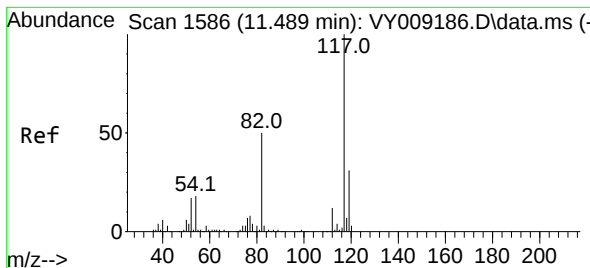
Tgt Ion: 98 Resp: 420857
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.233 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

Tgt Ion: 95 Resp: 134730
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 80.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

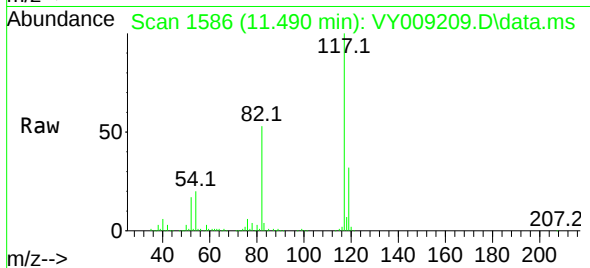
Lab File: VY009209.D

Acq: 16 Jun 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :



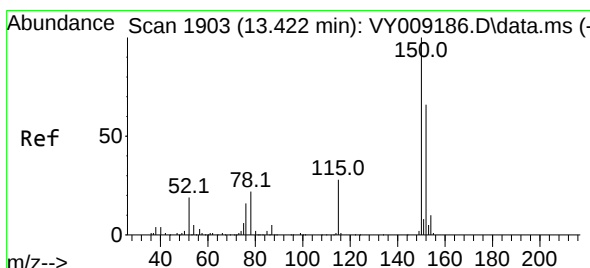
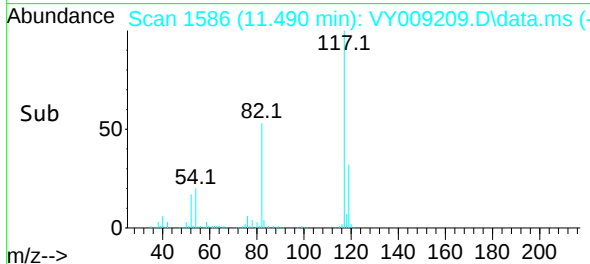
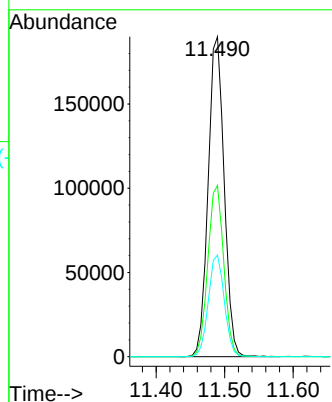
Tgt Ion:117 Resp: 308436

Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.4

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009209.D

Acq: 16 Jun 2022 18:03

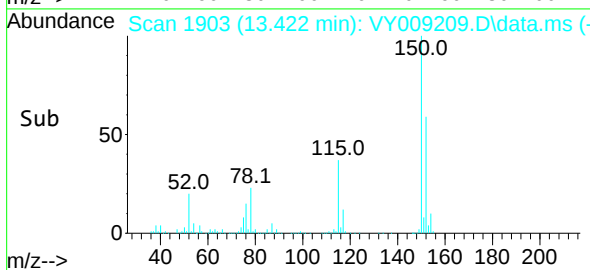
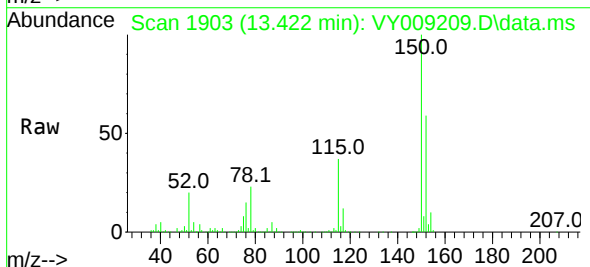
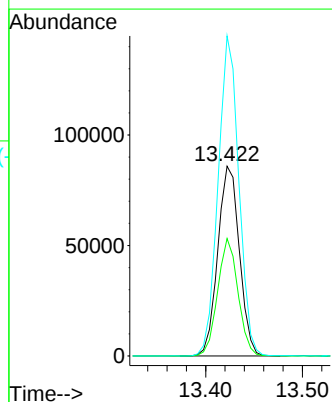
Tgt Ion:152 Resp: 132991

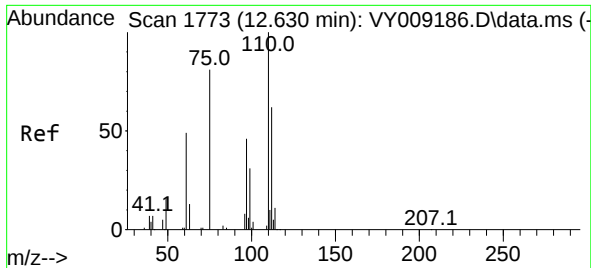
Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 161.9 0.0 347.6

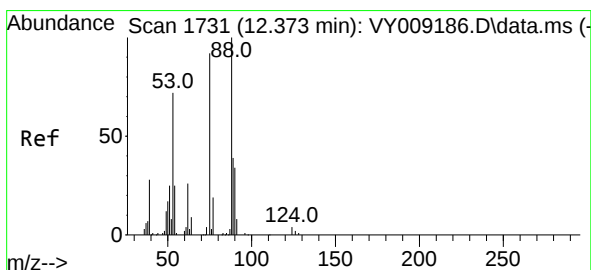
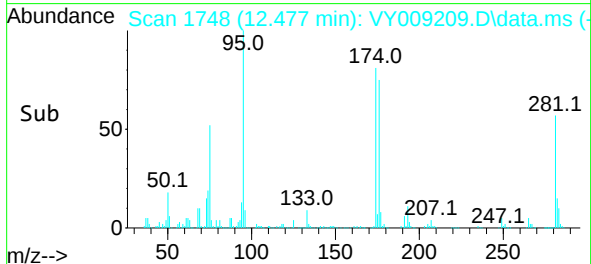
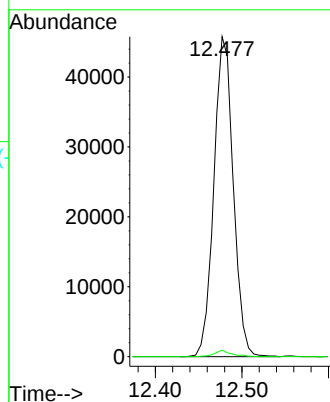
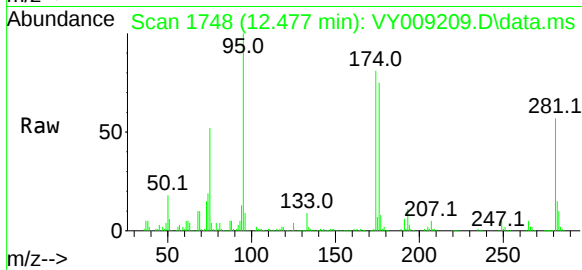




#76
1,2,3-Trichloropropane
Concen: 48.444 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 71137
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.543 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009209.D
Acq: 16 Jun 2022 18:03

Tgt Ion: 75 Resp: 71137
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 1.8 37.0 55.4#

