

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111921\
 Data File : VY006831.D
 Acq On : 19 Nov 2021 15:33
 Operator : SY/MD
 Sample : M4758-13
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 03:19:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

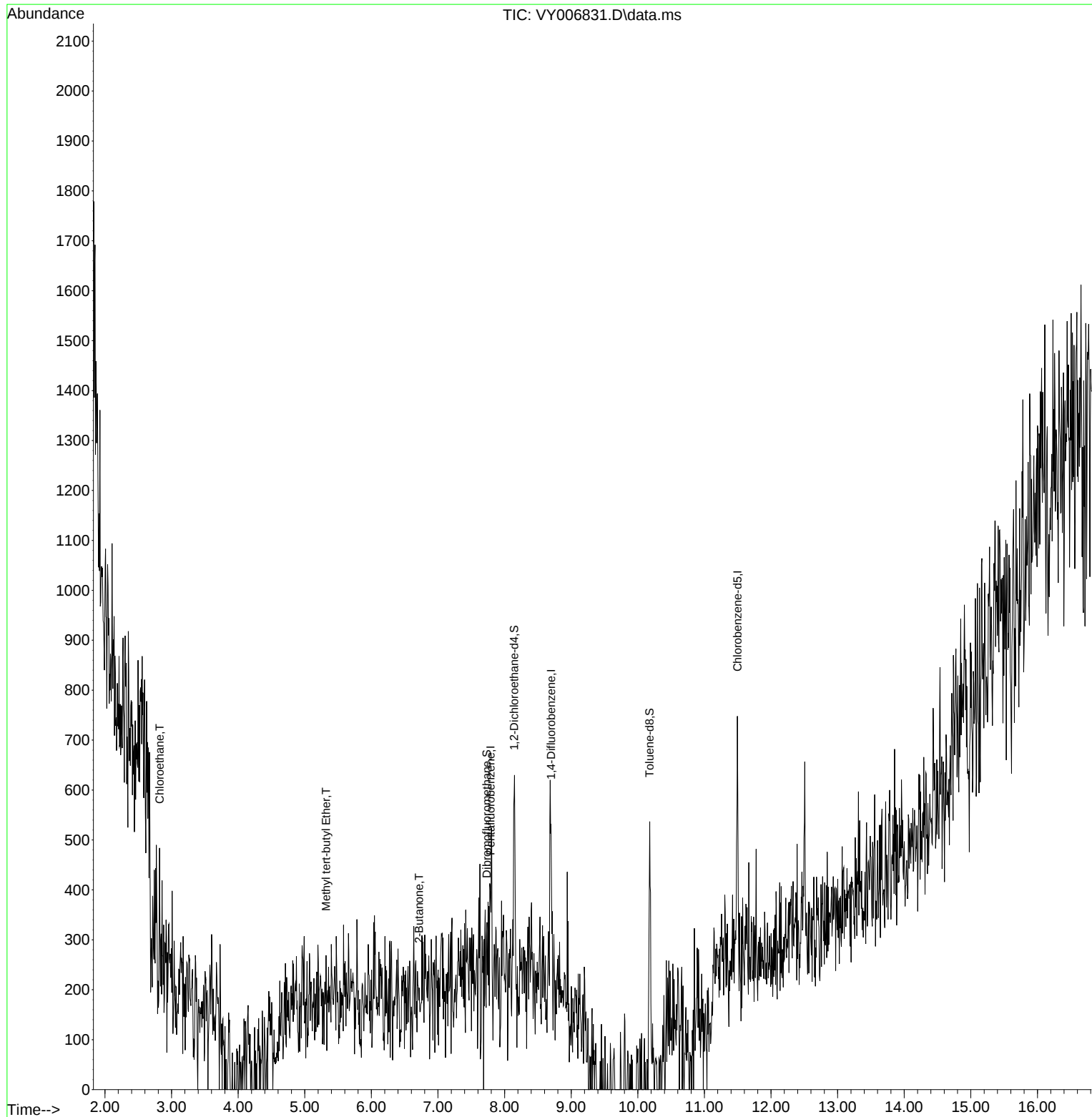
Internal Standards						
1) Pentafluorobenzene	7.789	168	353	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.697	114	555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	332	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.43
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	331	71.545	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	143.080%
35) Dibromofluoromethane	7.734	113	23	6.747	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	13.500%#
50) Toluene-d8	10.179	98	518	36.719	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	73.440%
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.000%#
Target Compounds						
						Qvalue
6) Chloroethane	2.820	64	156	49.248	ug/l #	45
19) Methyl tert-butyl Ether	5.320	73	20	1.856	ug/l #	53
25) 2-Butanone	6.716	43	22	21.769	ug/l #	52

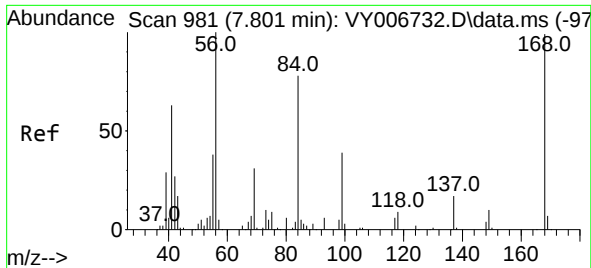
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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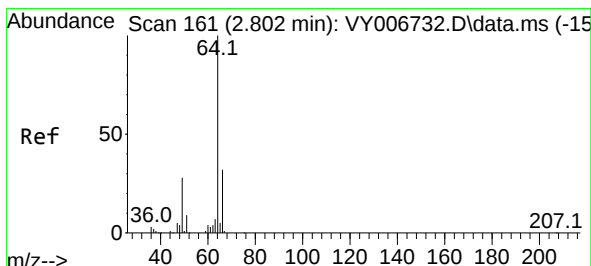
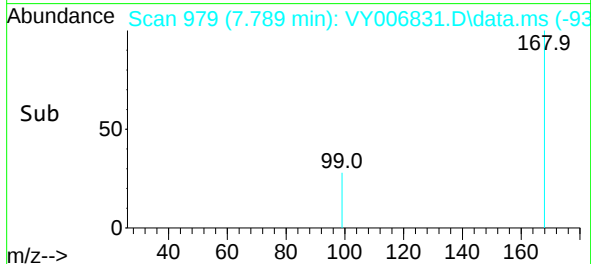
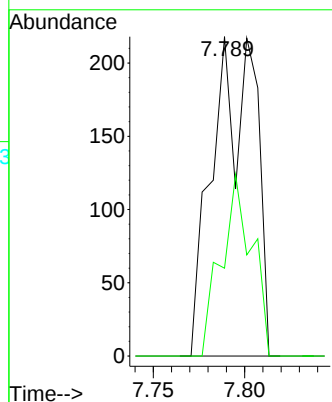
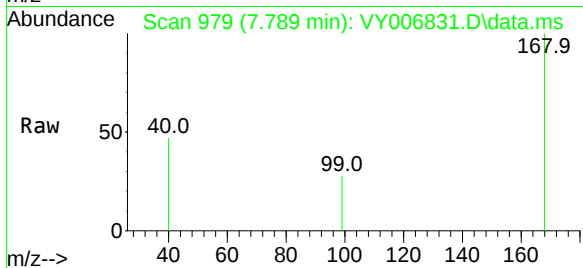




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY006831.D
Acq: 19 Nov 2021 15:33

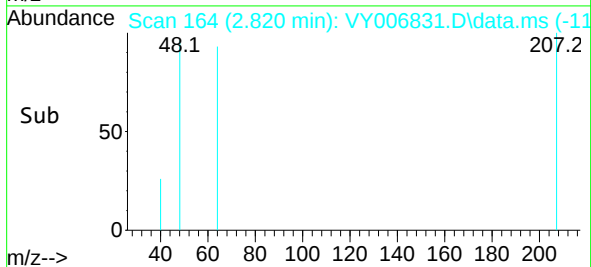
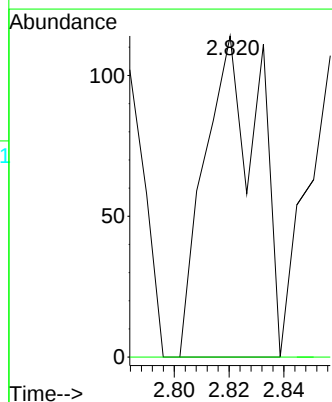
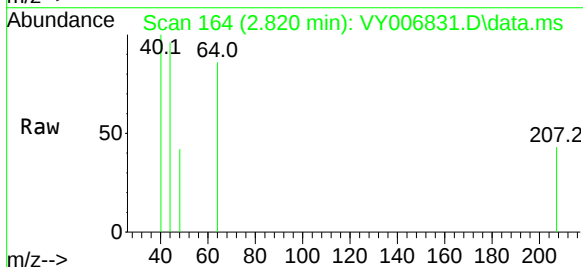
Instrument :
MSVOA_Y
ClientSampleId :

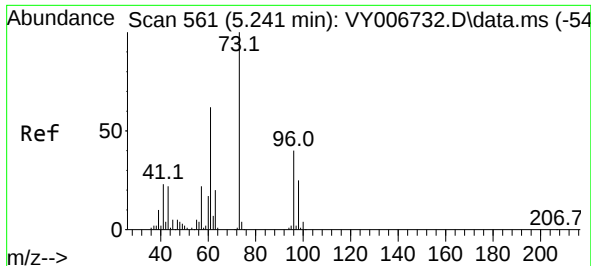
Tgt Ion:168 Resp: 353
Ion Ratio Lower Upper
168 100
99 27.5 44.8 67.2#



#6
Chloroethane
Concen: 49.248 ug/l
RT: 2.820 min Scan# 164
Delta R.T. 0.018 min
Lab File: VY006831.D
Acq: 19 Nov 2021 15:33

Tgt Ion: 64 Resp: 156
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.6#





#19

Methyl tert-butyl Ether

Concen: 1.856 ug/l

RT: 5.320 min Scan# 51

Delta R.T. 0.079 min

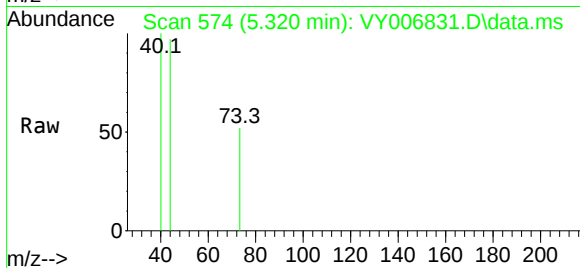
Lab File: VY006831.D

Acq: 19 Nov 2021 15:33

Instrument :

MSVOA_Y

ClientSampleId :

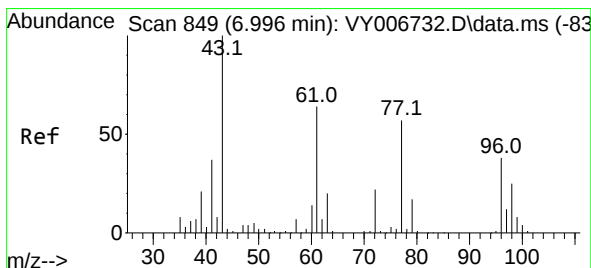
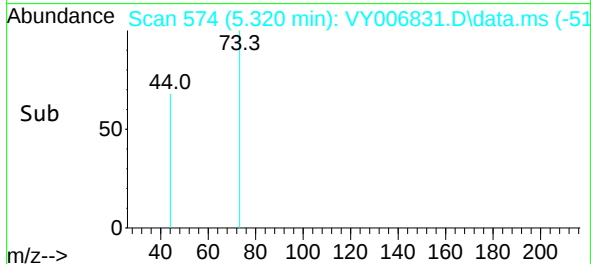
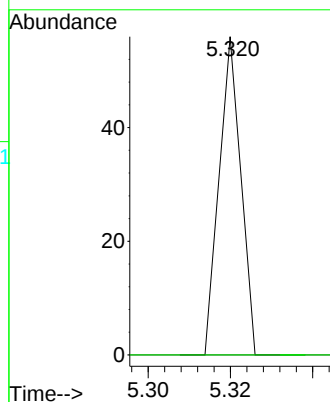


Tgt Ion: 73 Resp: 20

Ion Ratio Lower Upper

73 100

57 0.0 18.2 27.2#



#25

2-Butanone

Concen: 21.769 ug/l

RT: 6.716 min Scan# 803

Delta R.T. -0.280 min

Lab File: VY006831.D

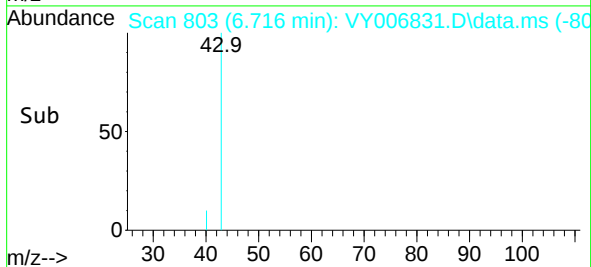
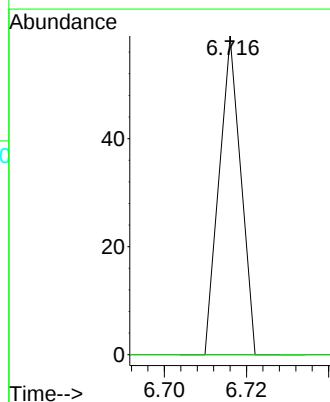
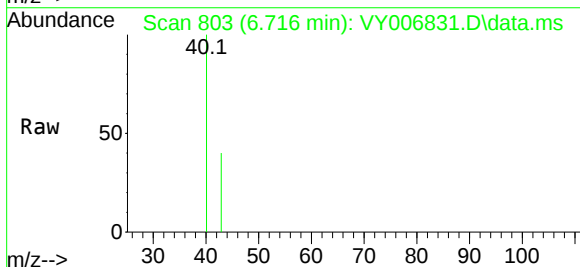
Acq: 19 Nov 2021 15:33

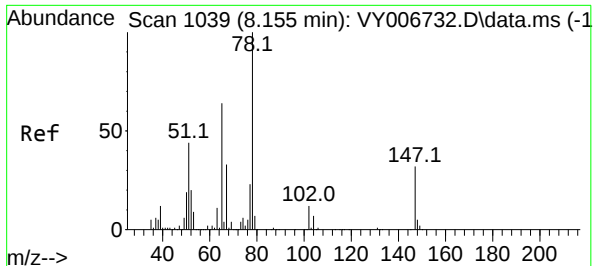
Tgt Ion: 43 Resp: 22

Ion Ratio Lower Upper

43 100

72 0.0 18.9 28.3#





#33

1,2-Dichloroethane-d4

Concen: 71.545 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.012 min

Lab File: VY006831.D

Acq: 19 Nov 2021 15:33

Instrument :

MSVOA_Y

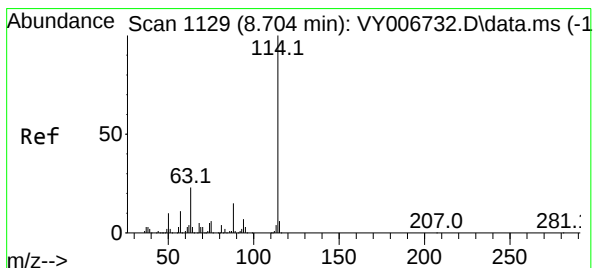
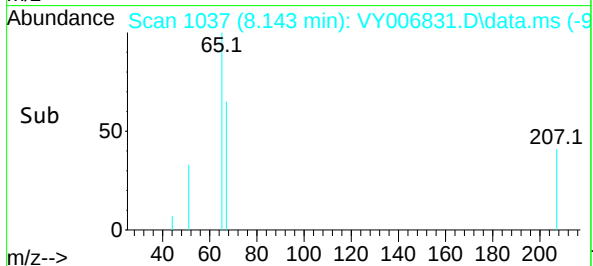
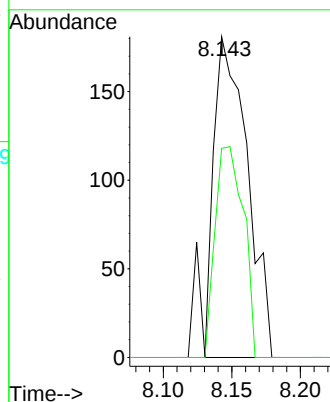
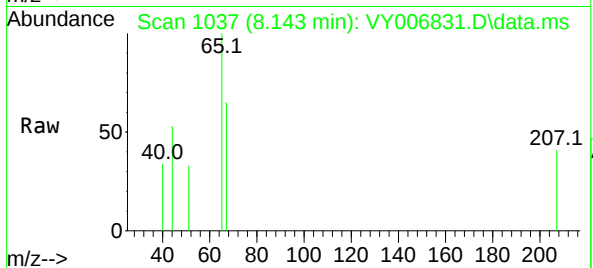
ClientSampleId :

Tgt Ion: 65 Resp: 331

Ion Ratio Lower Upper

65 100

67 51.7 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006831.D

Acq: 19 Nov 2021 15:33

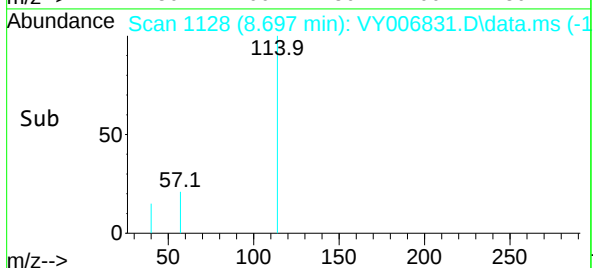
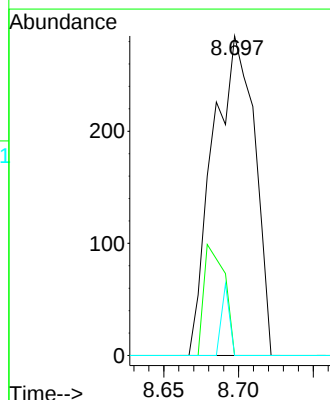
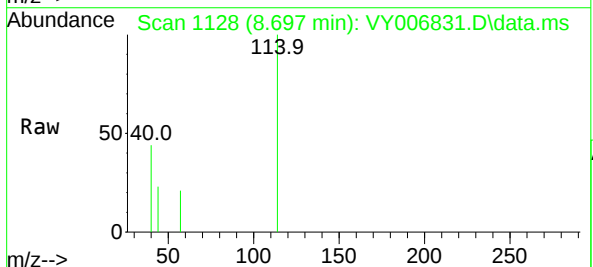
Tgt Ion: 114 Resp: 555

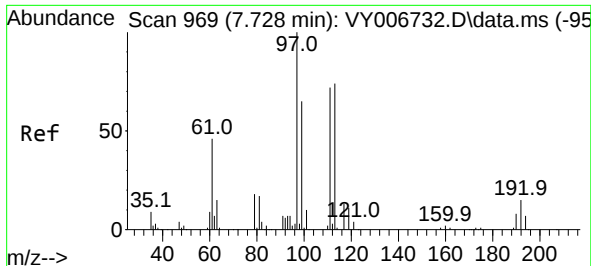
Ion Ratio Lower Upper

114 100

63 0.0 0.0 45.0

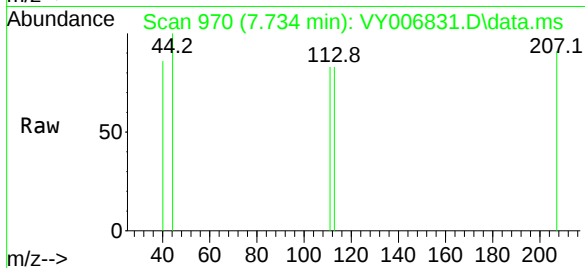
88 0.0 0.0 30.6



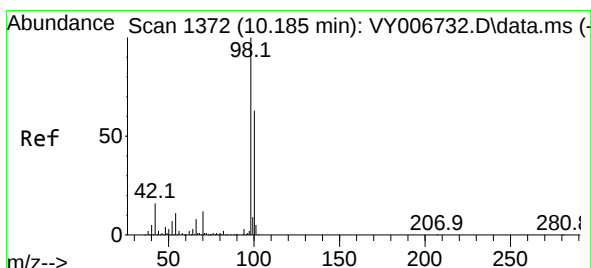
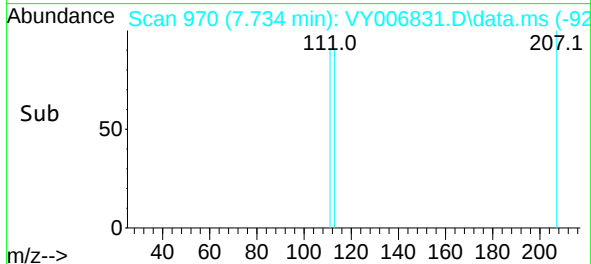
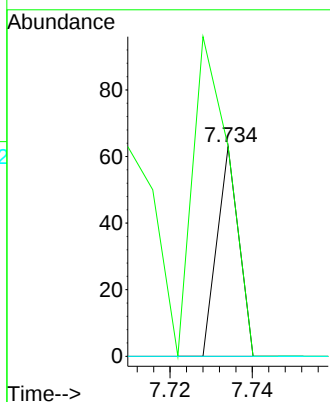


#35
Dibromofluoromethane
Concen: 6.747 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006831.D
Acq: 19 Nov 2021 15:33

Instrument :
MSVOA_Y
ClientSampleId :

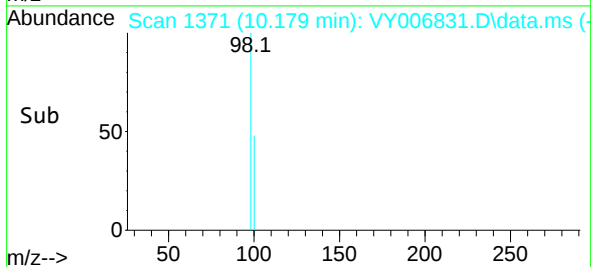
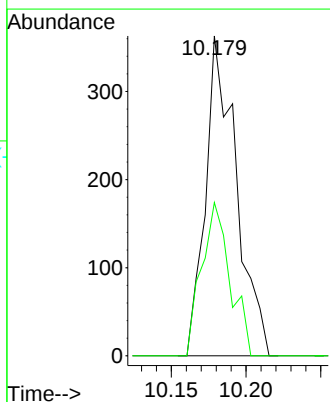
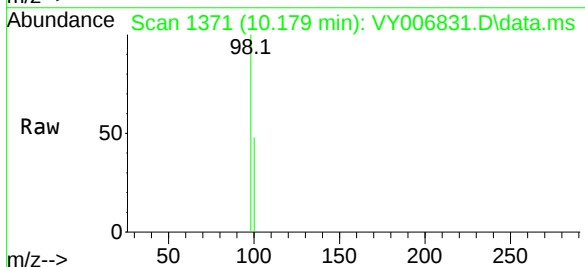


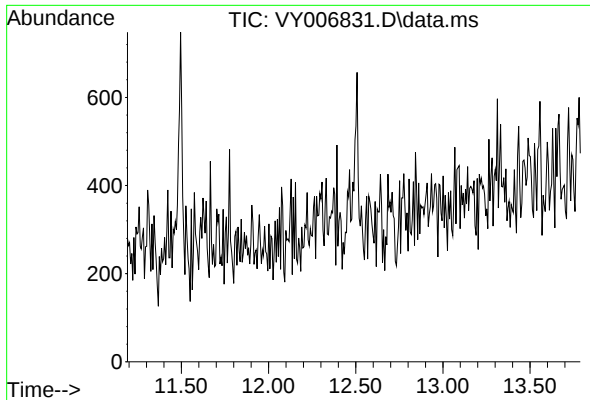
Tgt Ion:113 Resp: 23
Ion Ratio Lower Upper
113 100
111 252.2 82.3 123.5#
192 0.0 17.4 26.2#



#50
Toluene-d8
Concen: 36.719 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY006831.D
Acq: 19 Nov 2021 15:33

Tgt Ion: 98 Resp: 518
Ion Ratio Lower Upper
98 100
100 44.4 50.9 76.3#



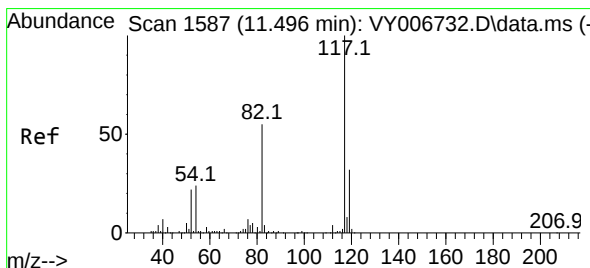
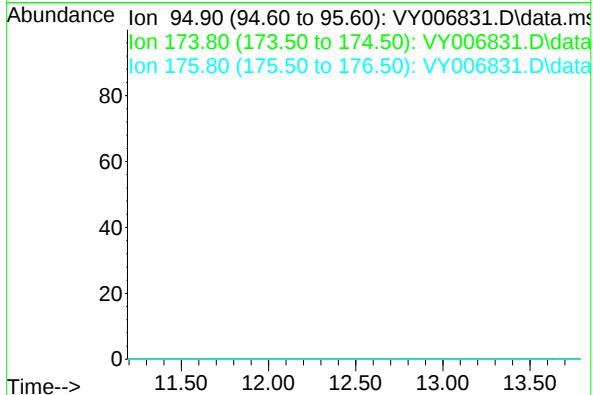


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.49 min
 Lab File: VY006831.D
 Acq: 19 Nov 2021 15:33

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 95

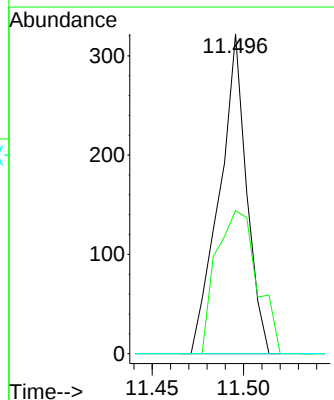
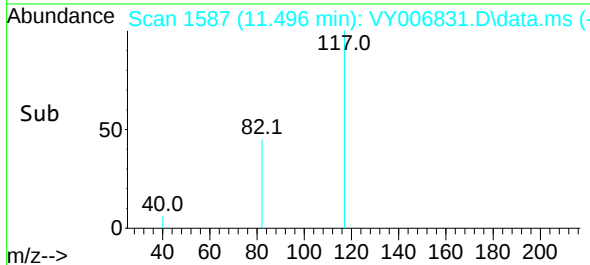
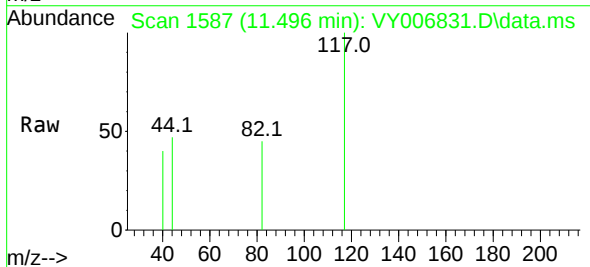
Sig	Exp Ratio
95	100
174	88.5
176	84.7

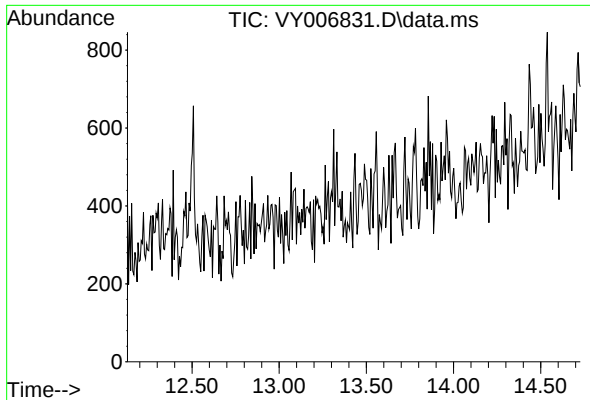


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.496 min Scan# 1587
 Delta R.T. -0.000 min
 Lab File: VY006831.D
 Acq: 19 Nov 2021 15:33

Tgt Ion: 117 Resp: 332

Ion	Ratio	Lower	Upper
117	100		
82	44.7	45.7	68.5#
119	0.0	25.5	38.3#





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.43 min
Lab File: VY006831.D
Acq: 19 Nov 2021 15:33

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 152
Sig Exp Ratio
152 100
115 57.0
150 174.1

