

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011801.D
 Acq On : 13 Dec 2022 18:04
 Operator : KP/MD
 Sample : N6037-01
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-16-(2.5-4.5)

Quant Time: Dec 13 22:19:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

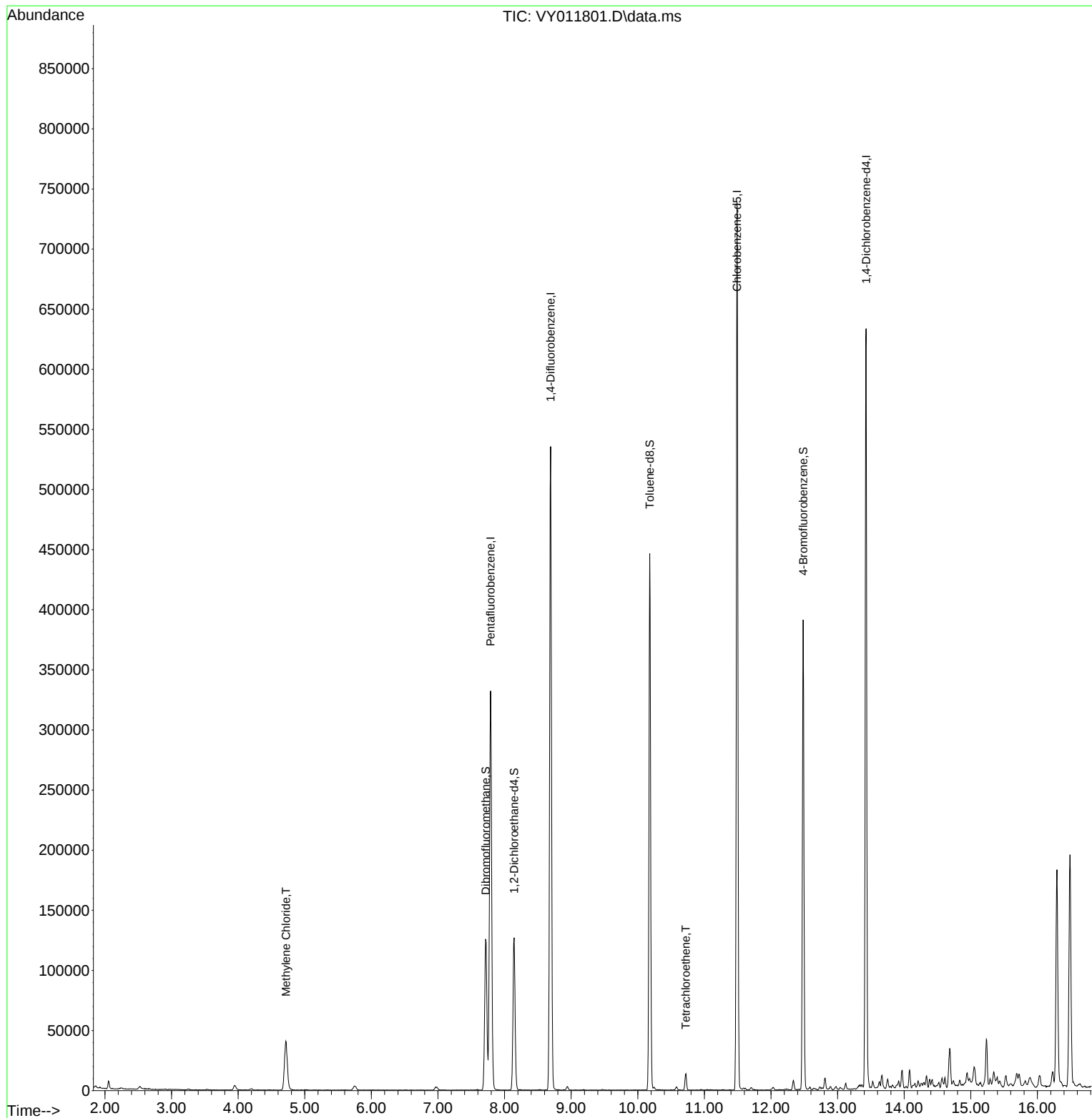
Internal Standards						
1) Pentafluorobenzene	7.789	168	255913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	451906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	394976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	98028	56.785	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.560%
35) Dibromofluoromethane	7.716	113	88170	43.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.800%
50) Toluene-d8	10.179	98	291711	43.444	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.880%
62) 4-Bromofluorobenzene	12.483	95	111109	41.644	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.280%
Target Compounds						
20) Methylene Chloride	4.716	84	31006	7.467	ug/l	97
64) Tetrachloroethene	10.721	164	2954	1.057	ug/l	94

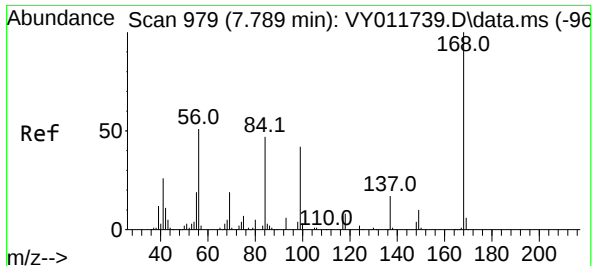
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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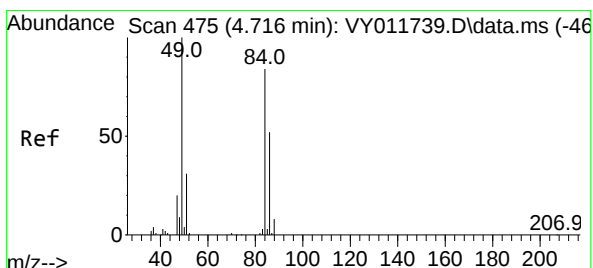
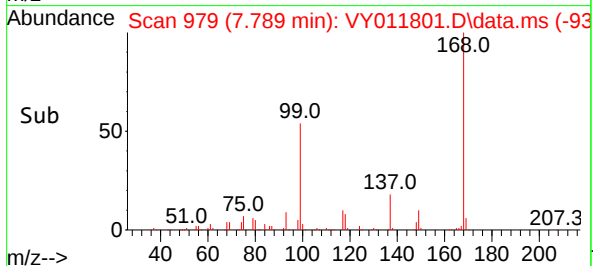
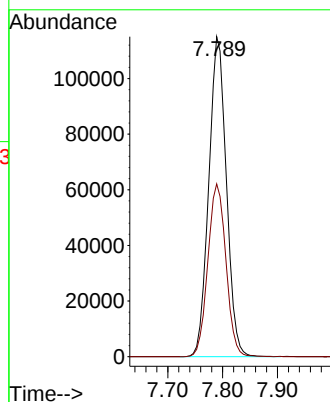
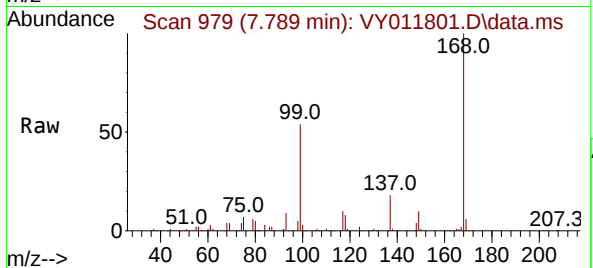




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

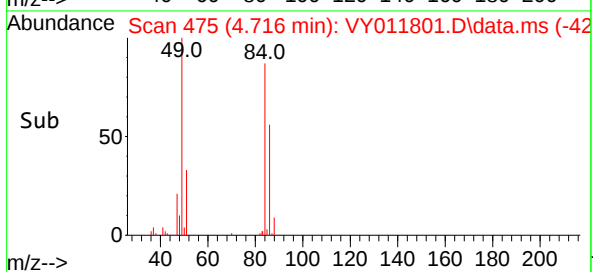
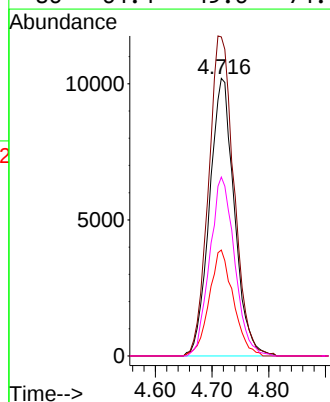
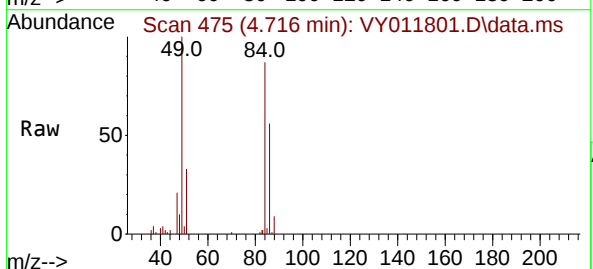
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

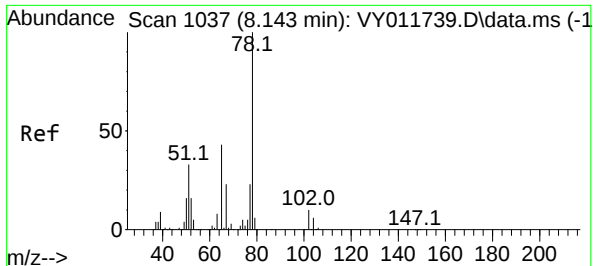
Tgt Ion:168 Resp: 255913
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#20
Methylene Chloride
Concen: 7.467 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion: 84 Resp: 31006
Ion Ratio Lower Upper
84 100
49 114.9 95.4 143.2
51 38.2 29.9 44.9
86 64.4 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 56.785 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011801.D

Acq: 13 Dec 2022 18:04

Instrument :

MSVOA_Y

ClientSampleId :

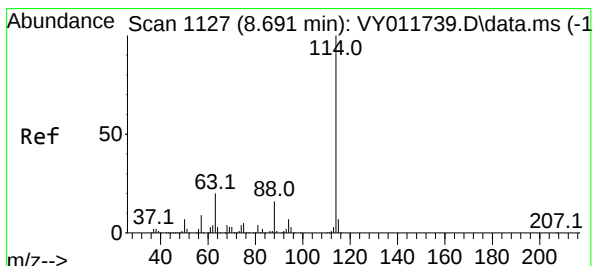
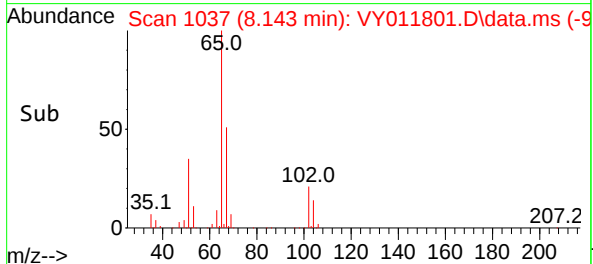
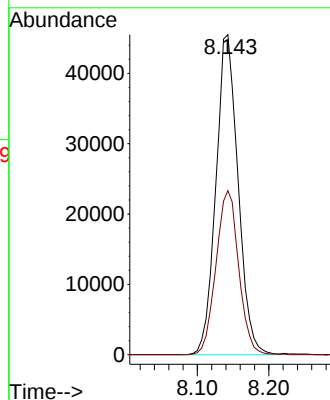
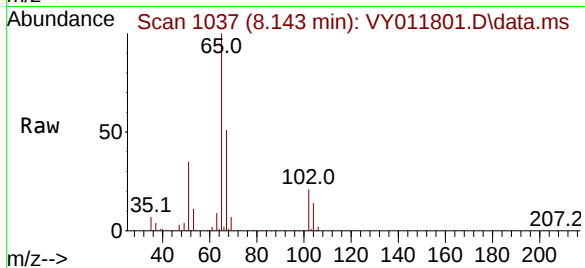
RB-16-(2.5-4.5)

Tgt Ion: 65 Resp: 98028

Ion Ratio Lower Upper

65 100

67 52.4 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: VY011801.D

Acq: 13 Dec 2022 18:04

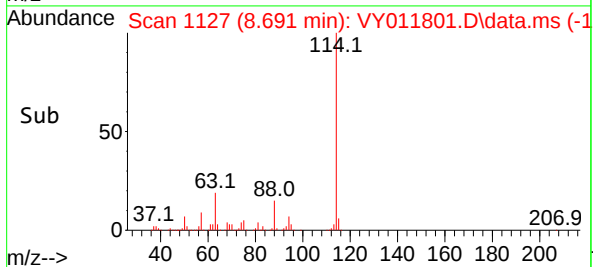
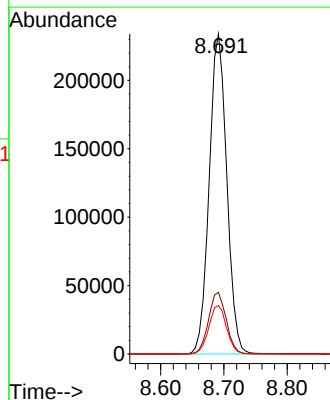
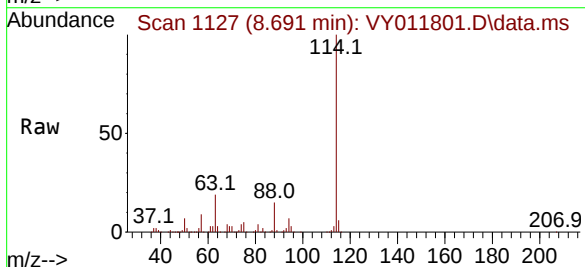
Tgt Ion: 114 Resp: 451906

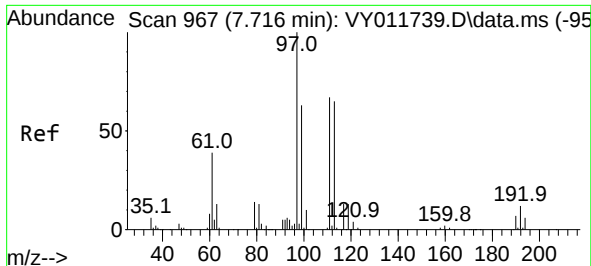
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.1 0.0 32.2

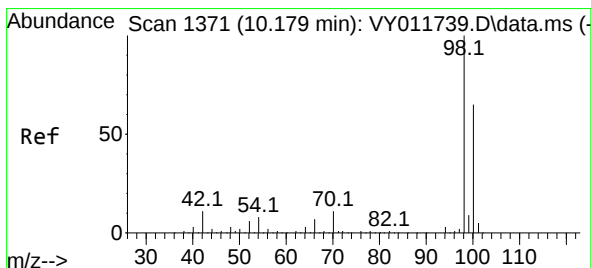
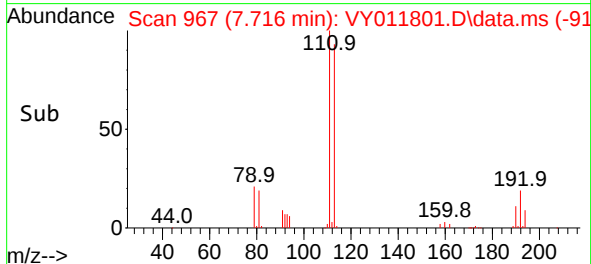
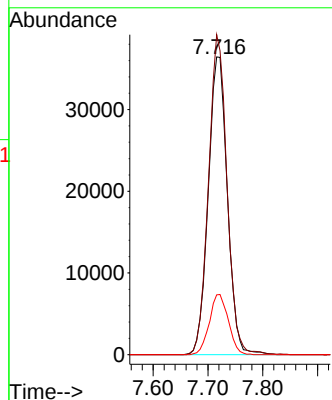
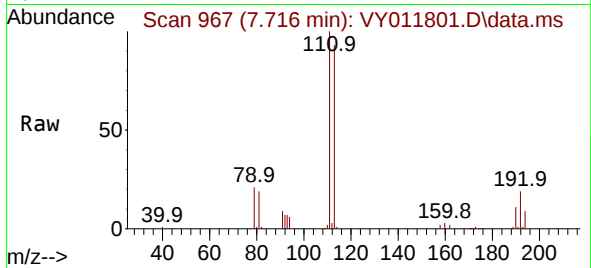




#35
Dibromofluoromethane
Concen: 43.401 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

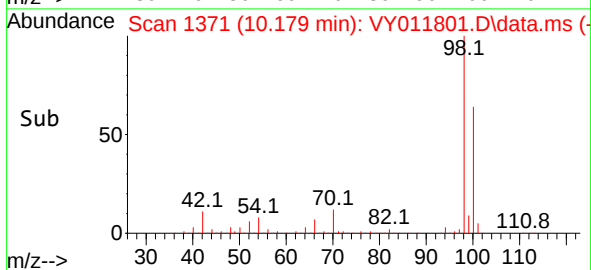
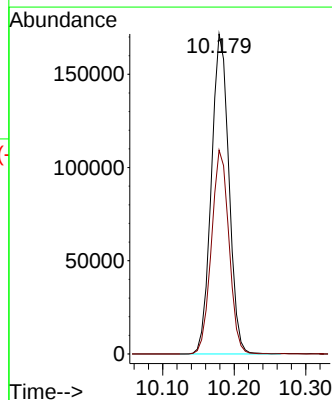
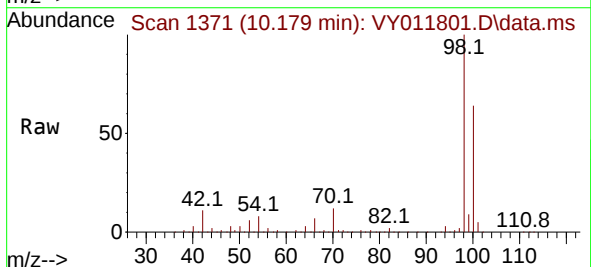
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

Tgt Ion:113 Resp: 88170
Ion Ratio Lower Upper
113 100
111 104.0 83.0 124.4
192 20.1 16.0 24.0



#50
Toluene-d8
Concen: 43.444 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion: 98 Resp: 291711
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

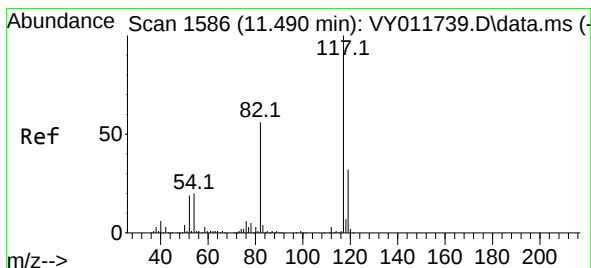
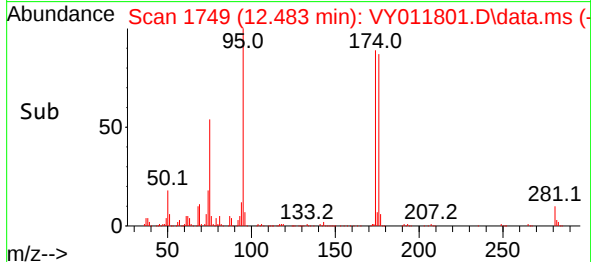
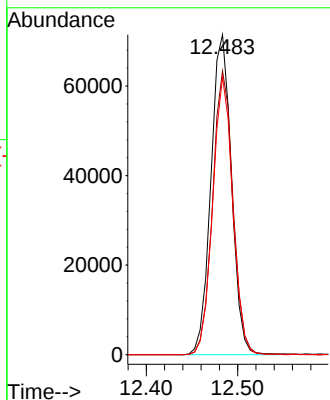
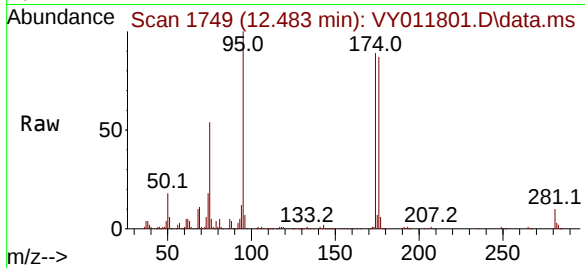




#62
4-Bromofluorobenzene
Concen: 41.644 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

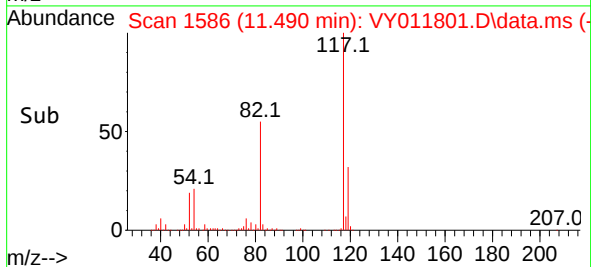
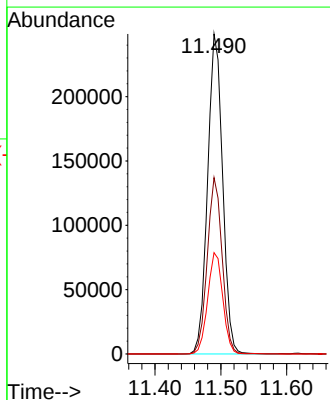
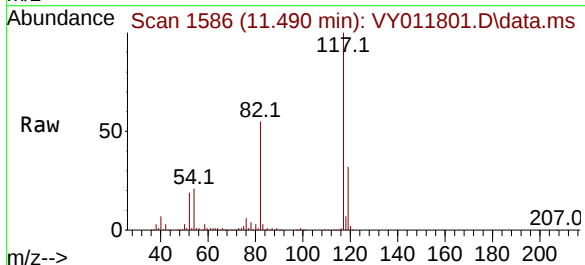
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

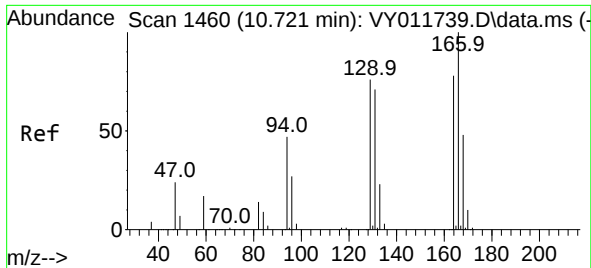
Tgt Ion: 95 Resp: 111109
Ion Ratio Lower Upper
95 100
174 88.3 0.0 172.0
176 85.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion: 117 Resp: 394976
Ion Ratio Lower Upper
117 100
82 55.1 44.8 67.2
119 31.7 25.4 38.2

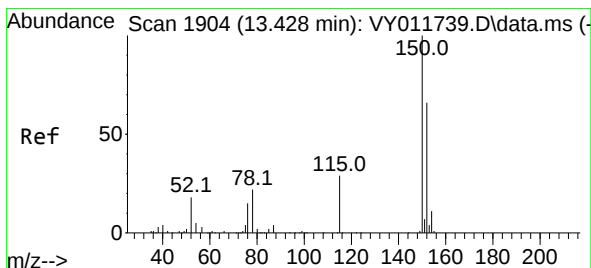
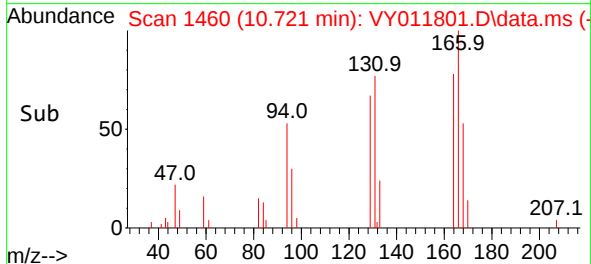
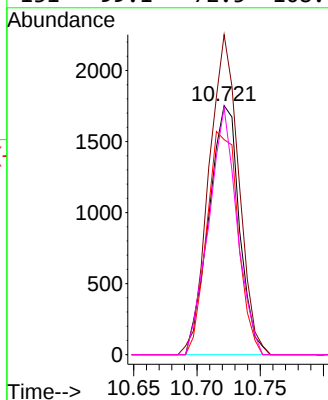
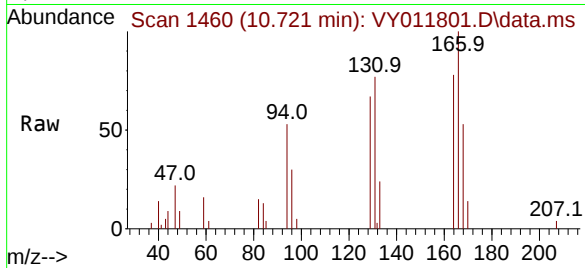




#64
Tetrachloroethene
Concen: 1.057 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

Tgt	Ion:164	Resp:	2954
Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.3	153.5
129	86.3	77.2	115.8
131	99.1	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion:152	Resp:	165563	
Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.1	87.3
150	157.2	0.0	342.6

