

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013496.D
 Acq On : 27 Apr 2023 16:53
 Operator : KP/MD
 Sample : 02470-03RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-9.5-10.0RE

Quant Time: Apr 28 01:32:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

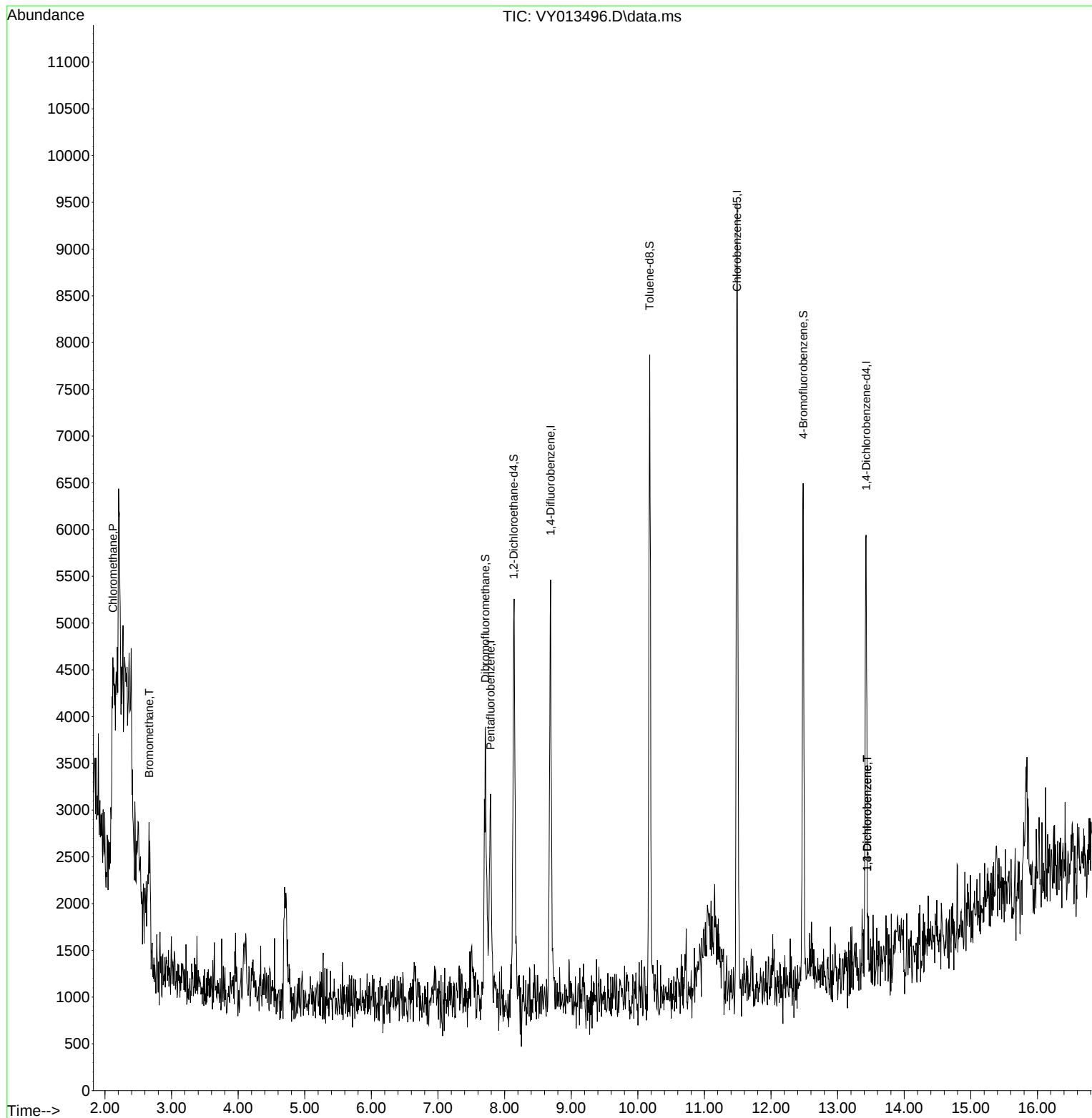
Internal Standards						
1) Pentafluorobenzene	7.789	168	2126	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	3637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	4468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3279	140.695	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	281.400%#
35) Dibromofluoromethane	7.710	113	2205	96.393	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	192.780%#
50) Toluene-d8	10.179	98	4920	60.460	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	120.920%
62) 4-Bromofluorobenzene	12.483	95	1847	67.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	134.660%
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	824	30.415	ug/l	94
5) Bromomethane	2.662	94	517	24.050	ug/l	92
87) 1,3-Dichlorobenzene	13.446	146	245	4.777	ug/l	66
88) 1,4-Dichlorobenzene	13.446	146	245	4.729	ug/l	67

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

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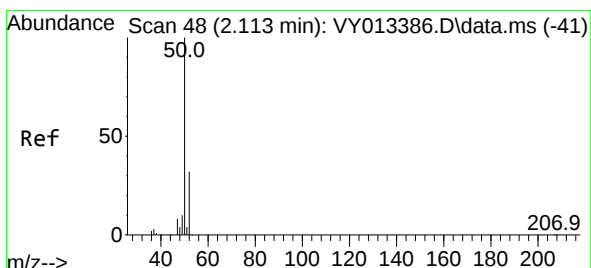
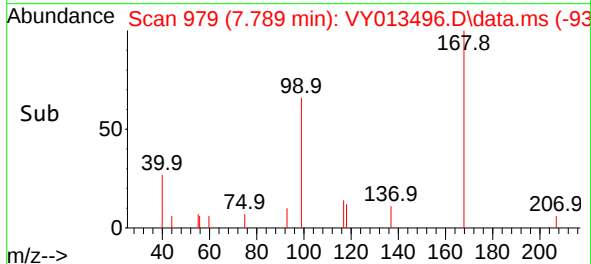
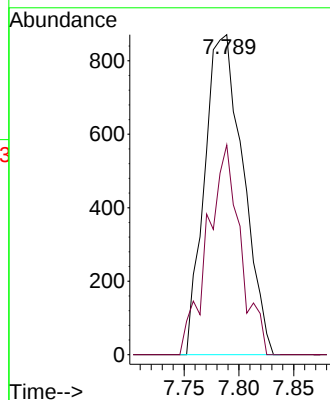
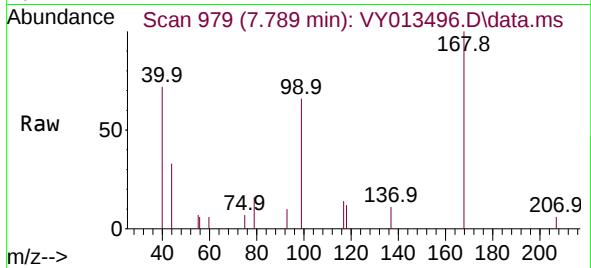




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013496.D
Acq: 27 Apr 2023 16:53

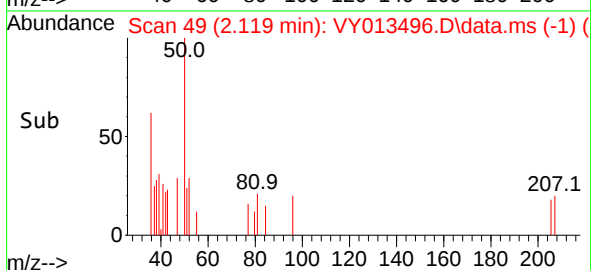
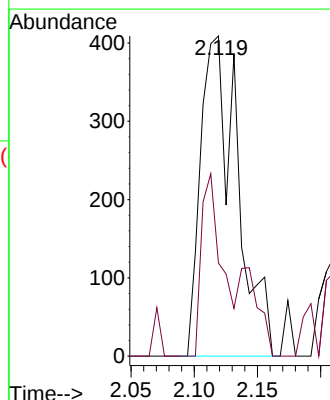
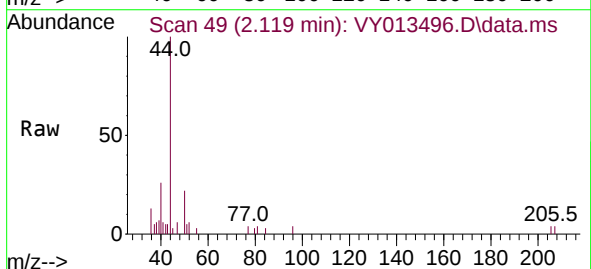
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0RE

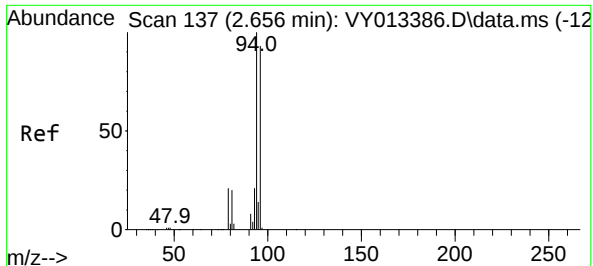
Tgt Ion:168 Resp: 2126
Ion Ratio Lower Upper
168 100
99 65.6 41.8 62.6#



#3
Chloromethane
Concen: 30.415 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013496.D
Acq: 27 Apr 2023 16:53

Tgt Ion: 50 Resp: 824
Ion Ratio Lower Upper
50 100
52 29.1 25.9 38.9

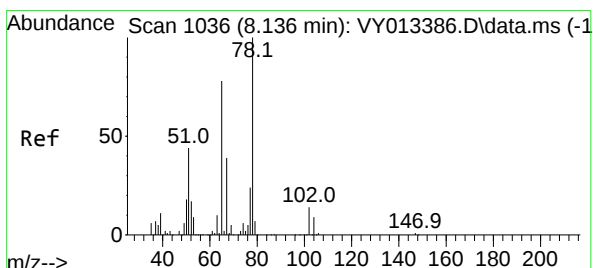
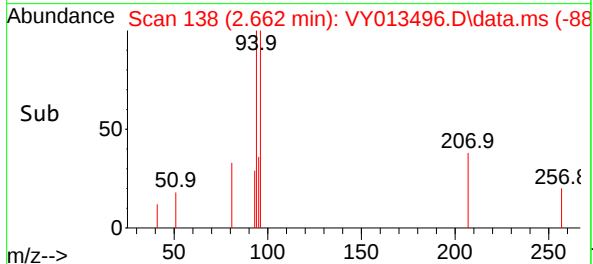
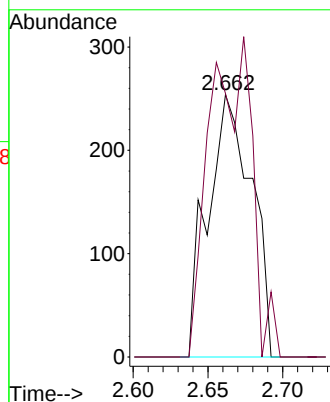
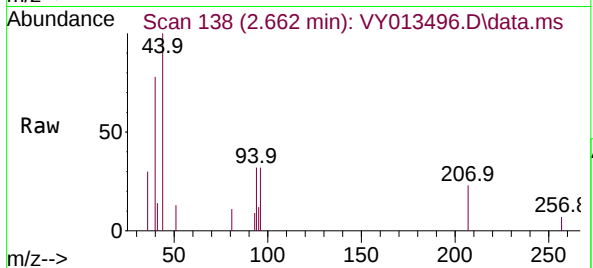




#5
Bromomethane
Concen: 24.050 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013496.D
Acq: 27 Apr 2023 16:53

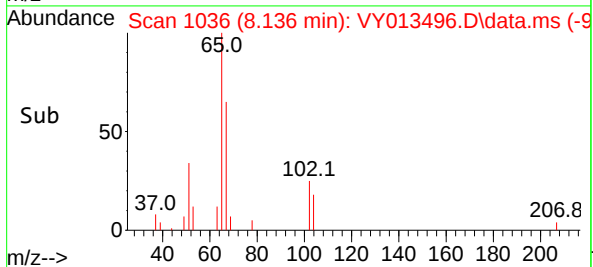
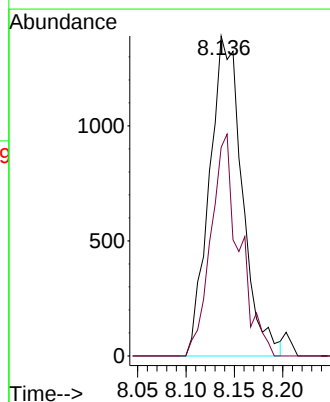
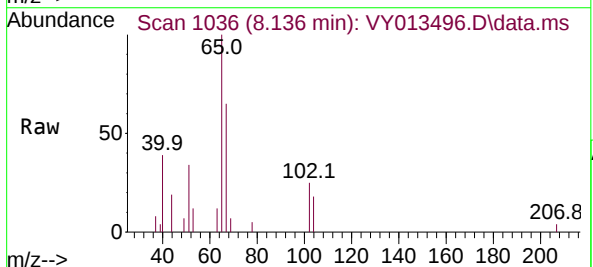
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0RE

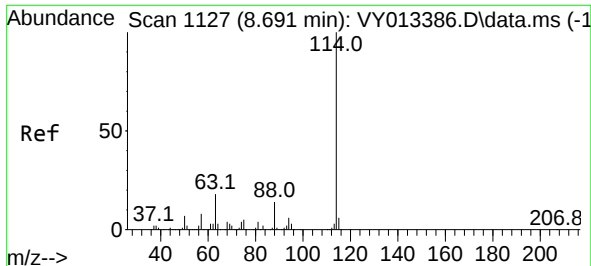
Tgt Ion: 94 Resp: 517
Ion Ratio Lower Upper
94 100
96 100.4 74.2 111.2



#33
1,2-Dichloroethane-d4
Concen: 140.695 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013496.D
Acq: 27 Apr 2023 16:53

Tgt Ion: 65 Resp: 3279
Ion Ratio Lower Upper
65 100
67 60.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013496.D

Acq: 27 Apr 2023 16:53

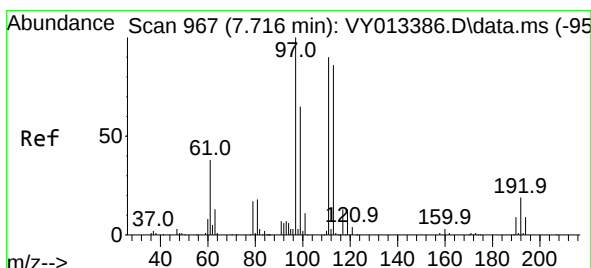
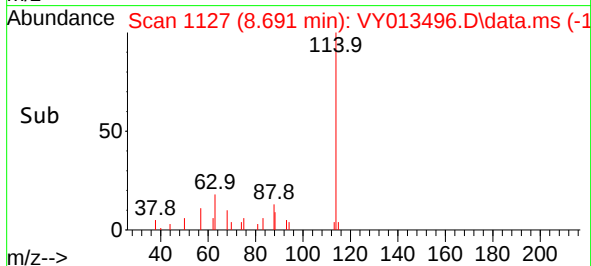
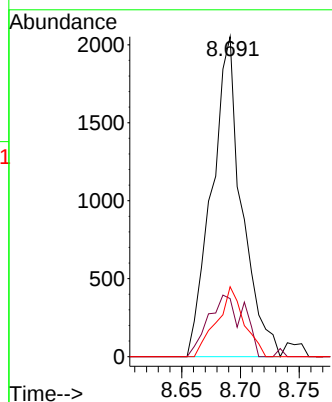
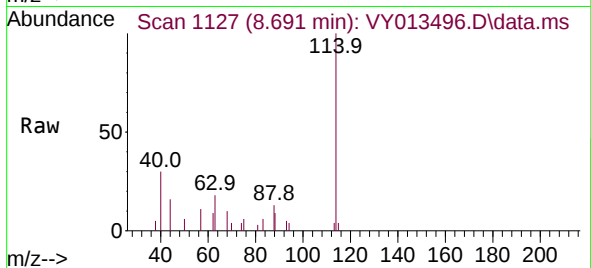
Instrument :

MSVOA_Y

ClientSampleId :

SB-04-9.5-10.0RE

Tgt Ion:114	Resp:	3637
Ion	Ratio	Lower Upper
114	100	
63	18.1	0.0 36.6
88	21.8	0.0 28.8



#35

Dibromofluoromethane

Concen: 96.393 ug/l

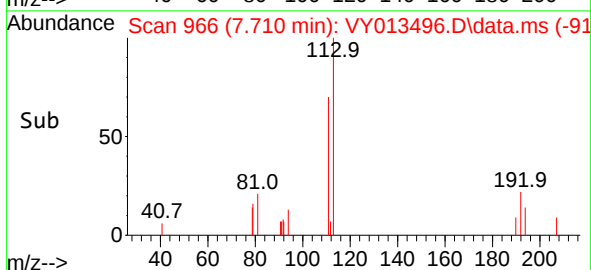
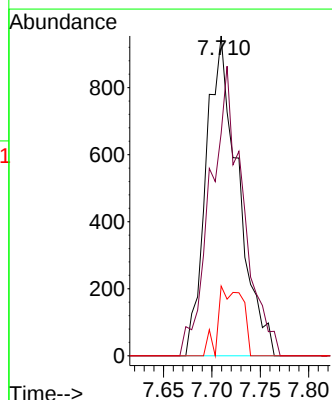
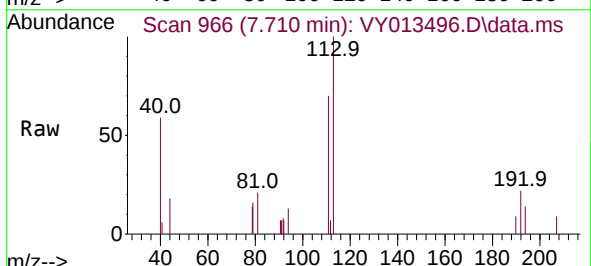
RT: 7.710 min Scan# 966

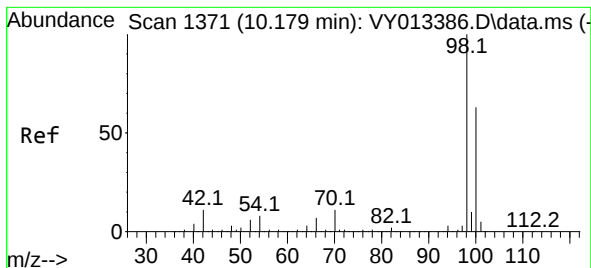
Delta R.T. -0.006 min

Lab File: VY013496.D

Acq: 27 Apr 2023 16:53

Tgt Ion:113	Resp:	2205
Ion	Ratio	Lower Upper
113	100	
111	91.8	82.2 123.2
192	16.5	16.7 25.1





#50

Toluene-d8

Concen: 60.460 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013496.D

Acq: 27 Apr 2023 16:53

Instrument :

MSVOA_Y

ClientSampleId :

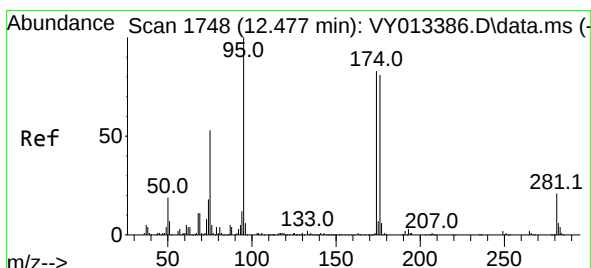
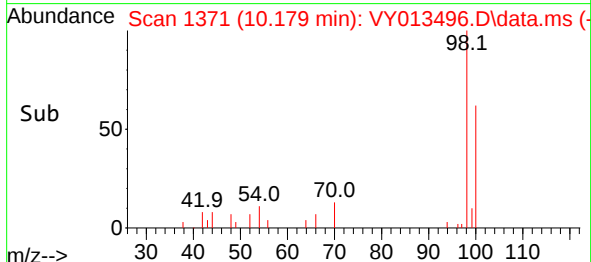
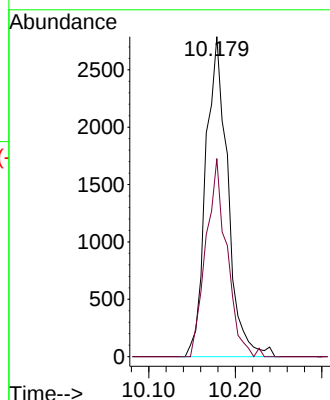
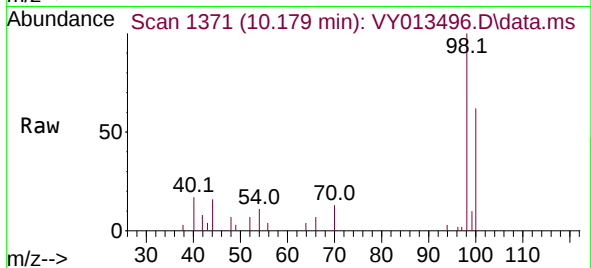
SB-04-9.5-10.0RE

Tgt Ion: 98 Resp: 4920

Ion Ratio Lower Upper

98 100

100 58.8 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 67.326 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013496.D

Acq: 27 Apr 2023 16:53

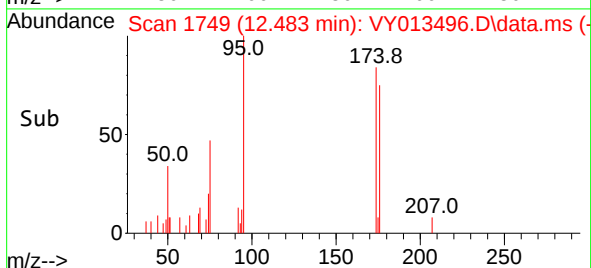
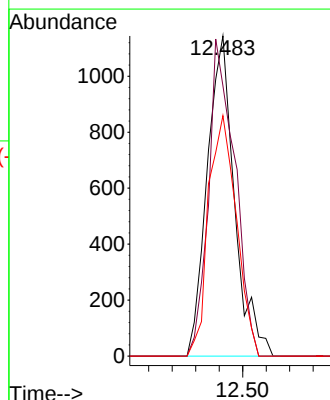
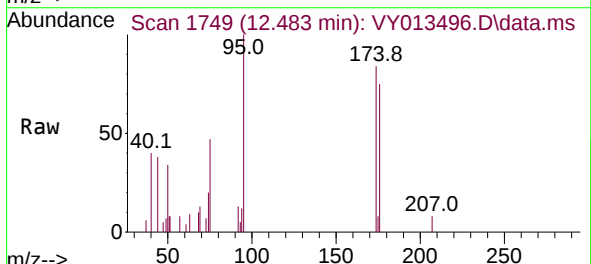
Tgt Ion: 95 Resp: 1847

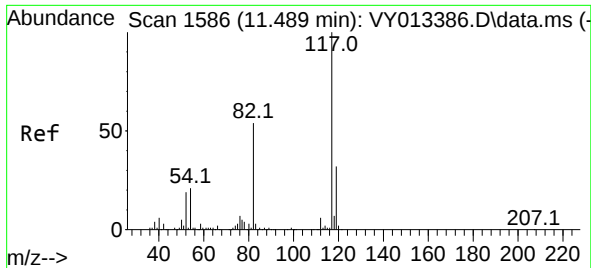
Ion Ratio Lower Upper

95 100

174 95.1 0.0 182.0

176 76.7 0.0 175.4

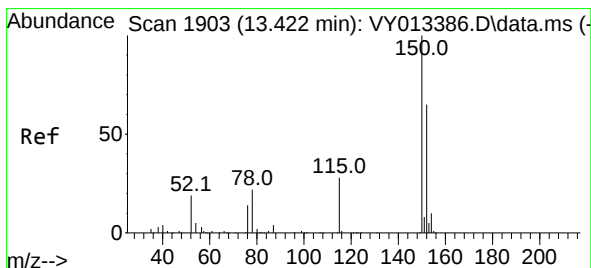
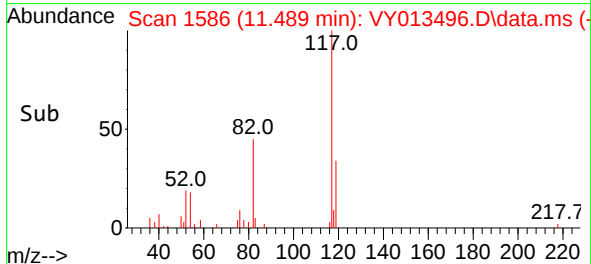
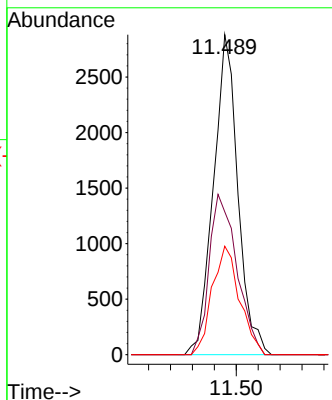
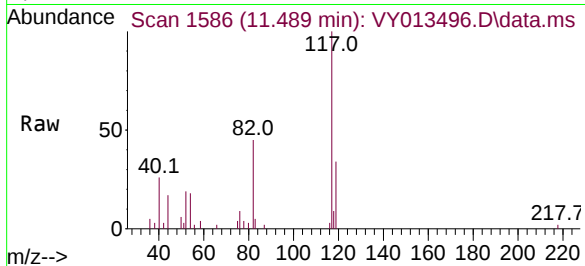




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013496.D
Acq: 27 Apr 2023 16:53

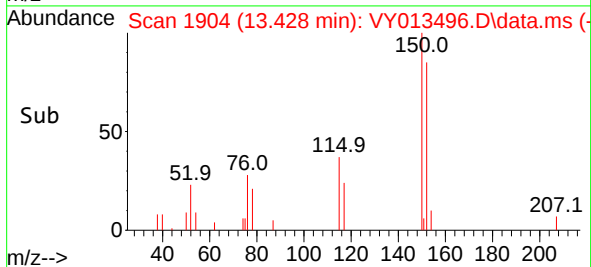
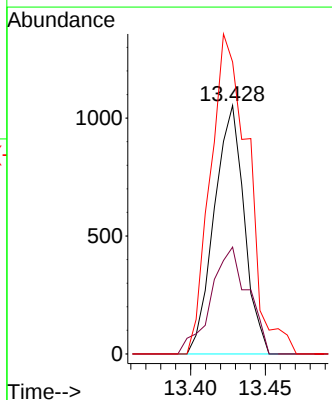
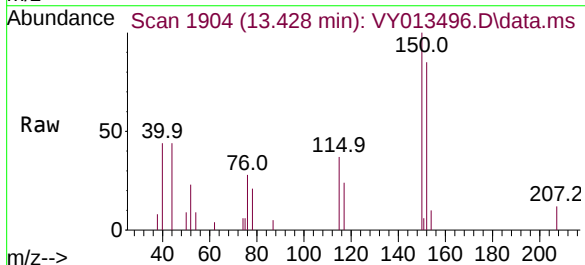
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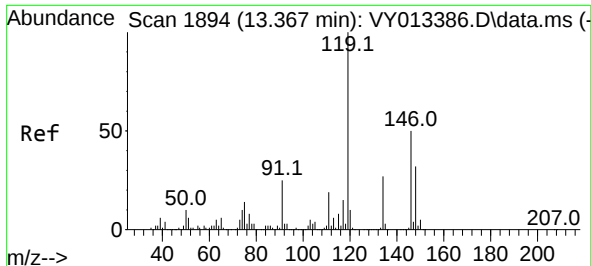
Tgt Ion:	117	Resp:	4468
Ion Ratio	Lower	Upper	
117	100		
82	44.7	43.0	64.6
119	33.9	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013496.D
Acq: 27 Apr 2023 16:53

Tgt Ion:	152	Resp:	1469
Ion Ratio	Lower	Upper	
152	100		
115	53.0	28.1	84.2
150	162.6	0.0	352.0





#87

1,3-Dichlorobenzene

Concen: 4.777 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.079 min

Lab File: VY013496.D

Acq: 27 Apr 2023 16:53

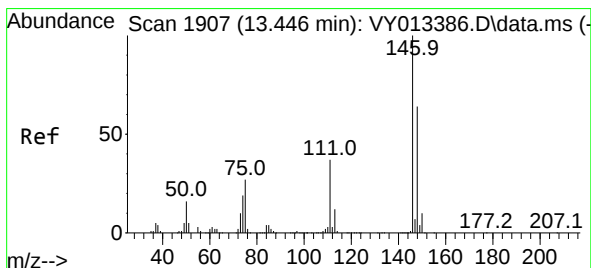
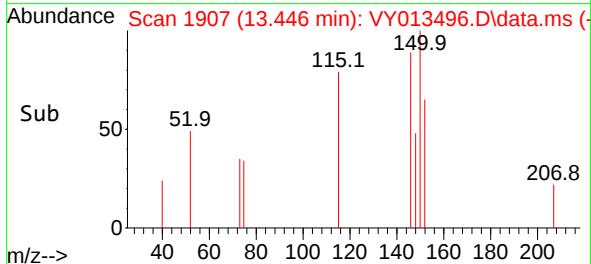
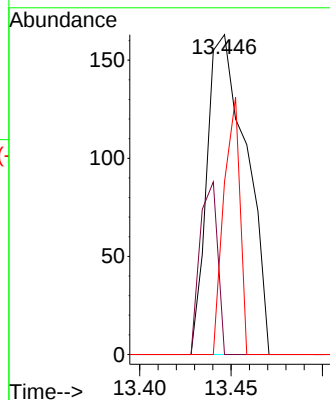
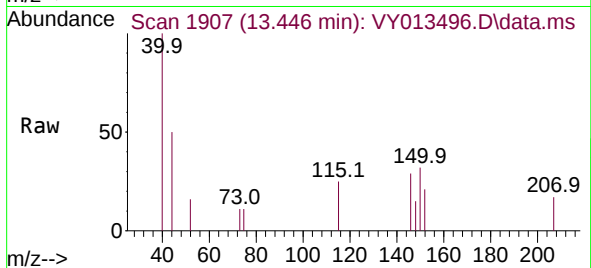
Instrument :

MSVOA_Y

ClientSampleId :

SB-04-9.5-10.0RE

Tgt Ion:146	Resp:	245
Ion Ratio	Lower	Upper
146	100	
111	24.1	19.3 57.9
148	32.7	31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 4.729 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY013496.D

Acq: 27 Apr 2023 16:53

Tgt Ion:146	Resp:	245
Ion Ratio	Lower	Upper
146	100	
111	24.1	18.9 56.5
148	32.7	31.9 95.5

