

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012112.D
 Acq On : 09 Jan 2023 15:47
 Operator : KP/MD
 Sample : 01064-04
 Misc : 3.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-13-01

Quant Time: Jan 10 01:47:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

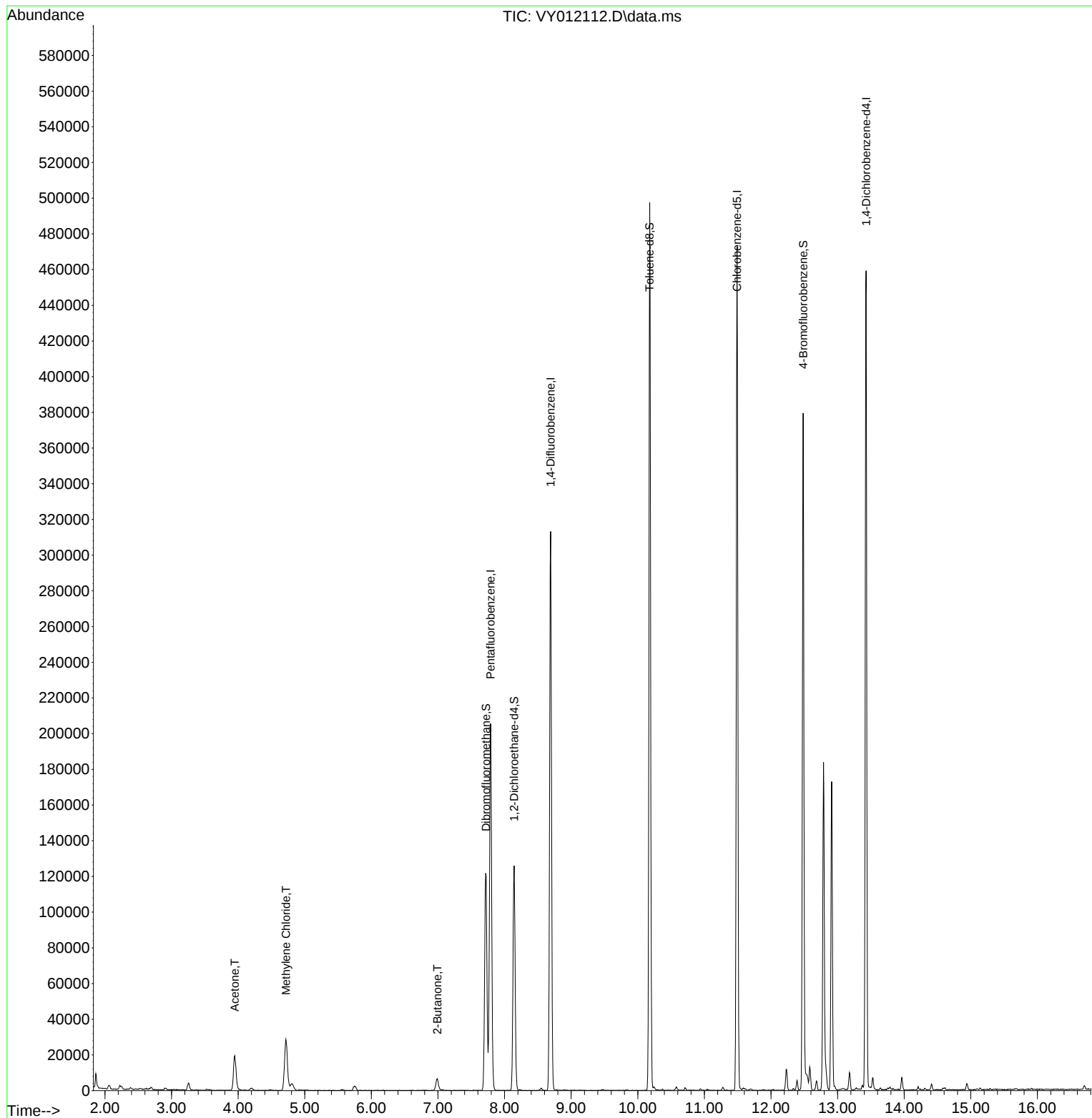
Internal Standards						
1) Pentafluorobenzene	7.789	168	159288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	261880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	105395	58.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.760%
35) Dibromofluoromethane	7.722	113	84422	46.834	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.660%
50) Toluene-d8	10.179	98	329326	46.287	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.580%
62) 4-Bromofluorobenzene	12.483	95	107897	43.385	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.780%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	34042	80.852	ug/l	97
20) Methylene Chloride	4.716	84	22523	7.640	ug/l	91
25) 2-Butanone	6.990	43	9707	17.474	ug/l #	79

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

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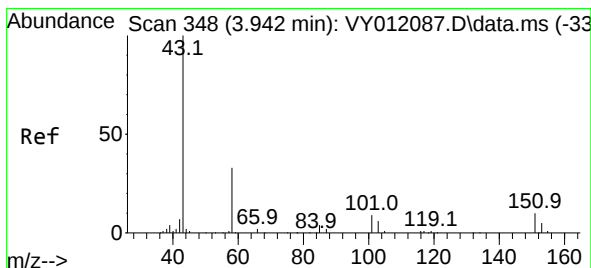
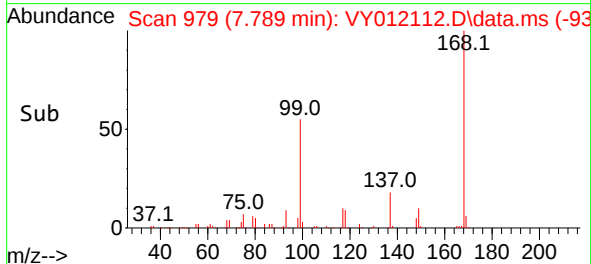
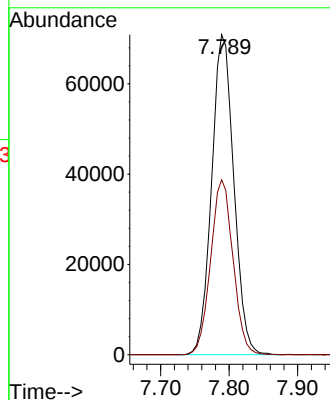
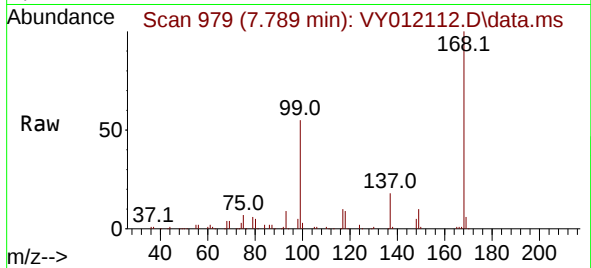




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

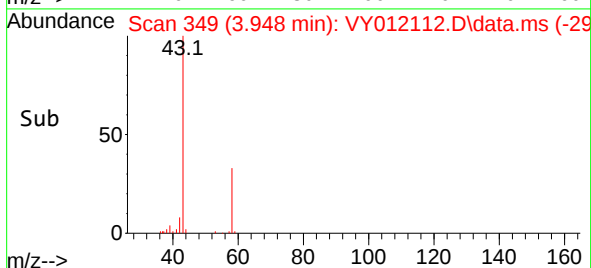
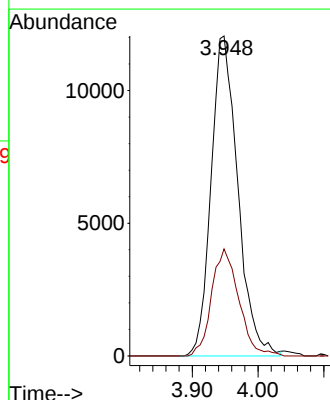
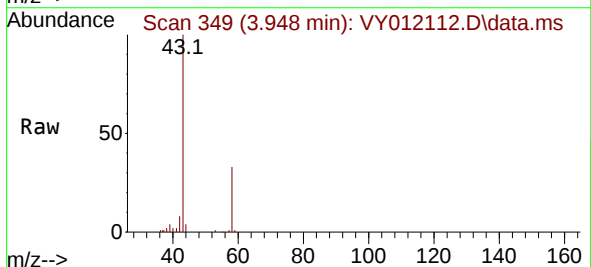
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

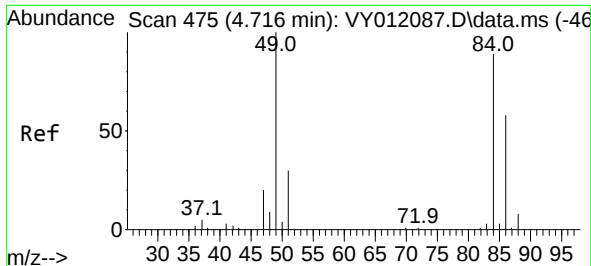
Tgt Ion:168 Resp: 159288
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#16
Acetone
Concen: 80.852 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 43 Resp: 34042
Ion Ratio Lower Upper
43 100
58 33.4 27.9 41.9





#20

Methylene Chloride

Concen: 7.640 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012112.D

Acq: 09 Jan 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

S-13-01

Tgt Ion: 84 Resp: 22523

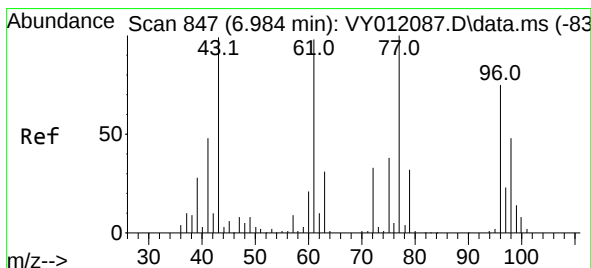
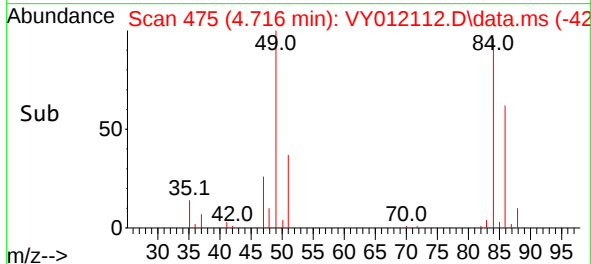
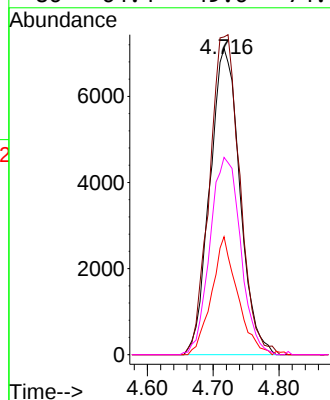
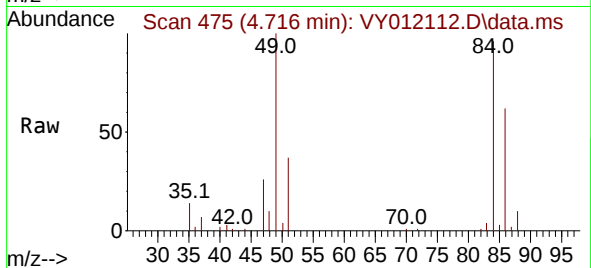
Ion Ratio Lower Upper

84 100

49 103.8 95.4 143.2

51 38.5 29.9 44.9

86 64.4 49.6 74.4



#25

2-Butanone

Concen: 17.474 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY012112.D

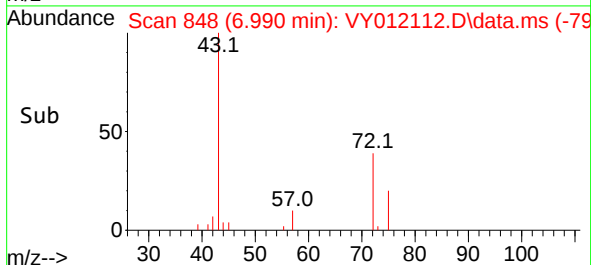
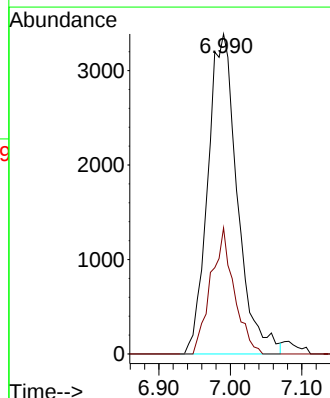
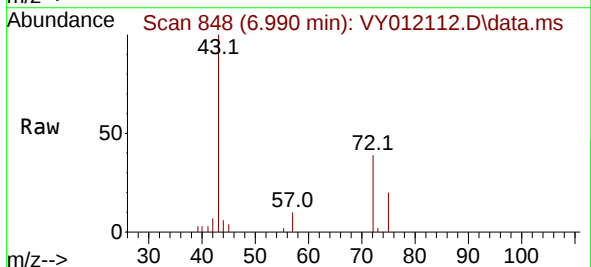
Acq: 09 Jan 2023 15:47

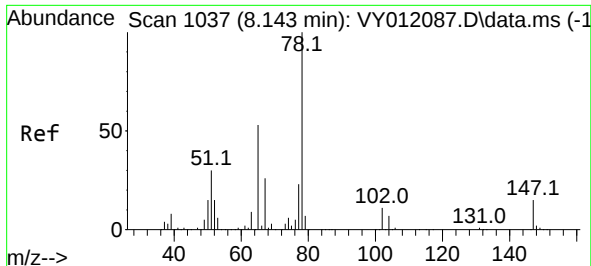
Tgt Ion: 43 Resp: 9707

Ion Ratio Lower Upper

43 100

72 39.4 22.6 34.0#





#33

1,2-Dichloroethane-d4

Concen: 58.885 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012112.D

Acq: 09 Jan 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

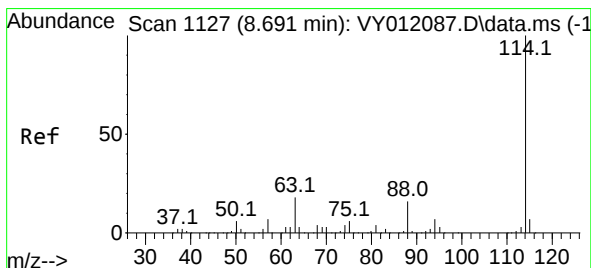
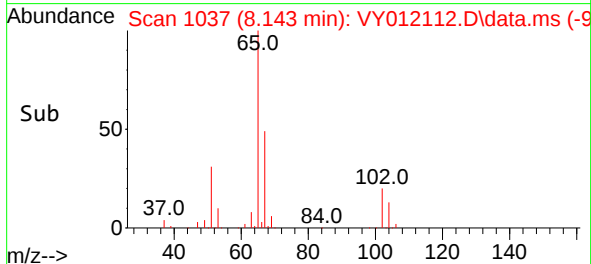
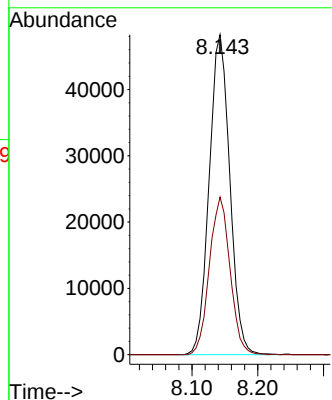
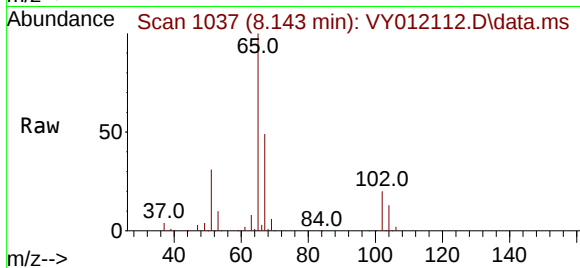
S-13-01

Tgt Ion: 65 Resp: 105395

Ion Ratio Lower Upper

65 100

67 49.3 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: VY012112.D

Acq: 09 Jan 2023 15:47

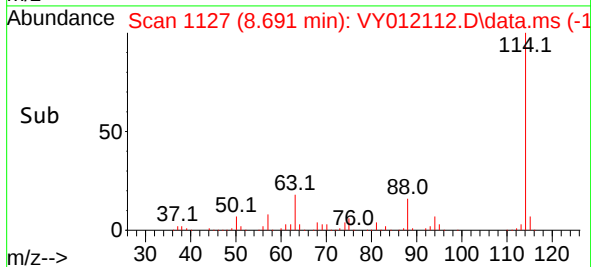
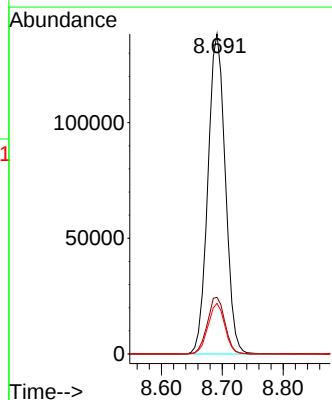
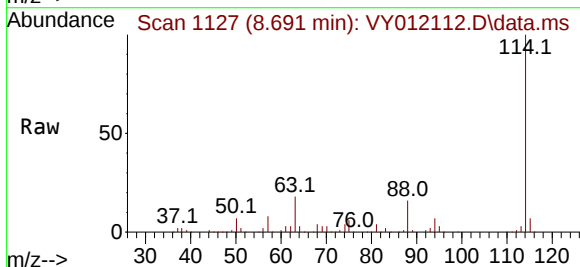
Tgt Ion:114 Resp: 274249

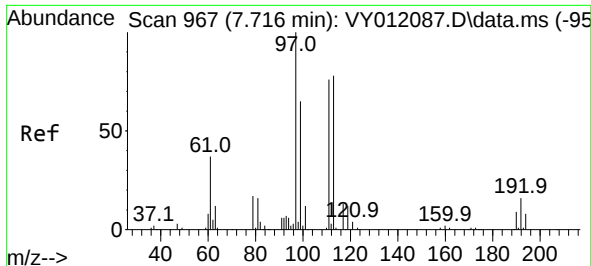
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 15.8 0.0 32.2

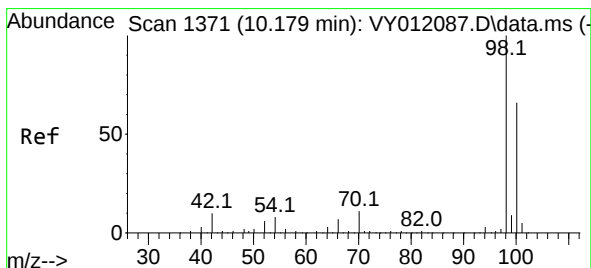
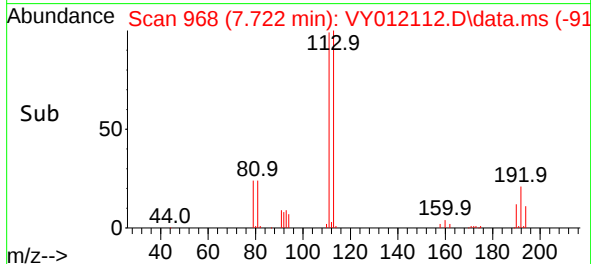
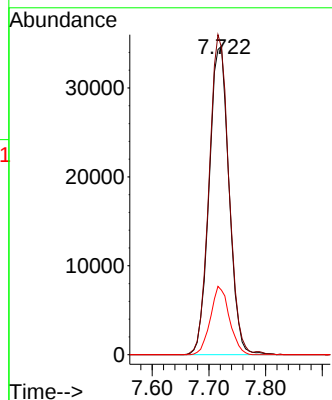
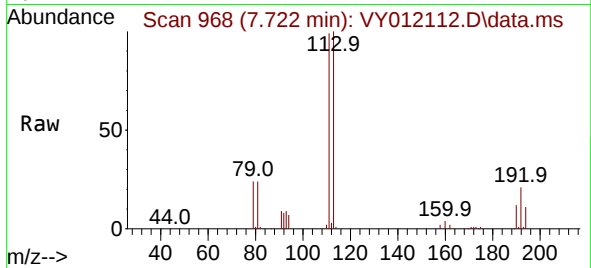




#35
Dibromofluoromethane
Concen: 46.834 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

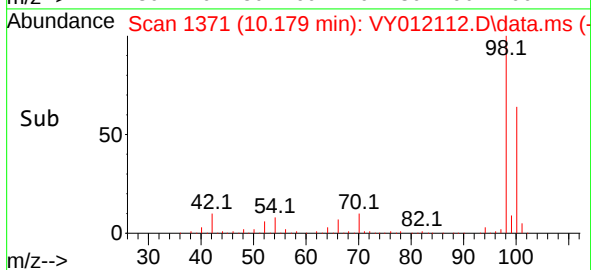
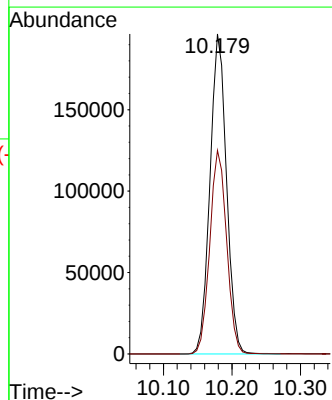
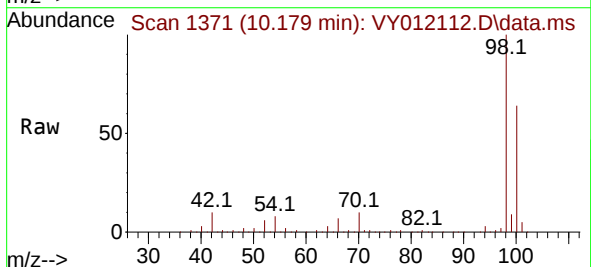
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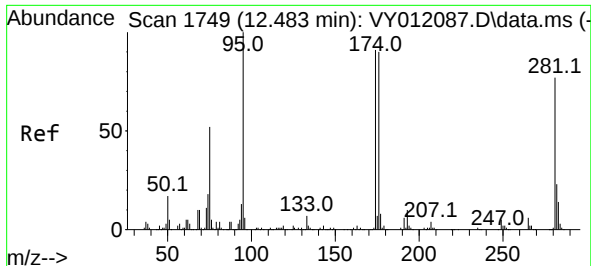
Tgt Ion:113 Resp: 84422
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 21.2 16.0 24.0



#50
Toluene-d8
Concen: 46.287 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 98 Resp: 329326
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

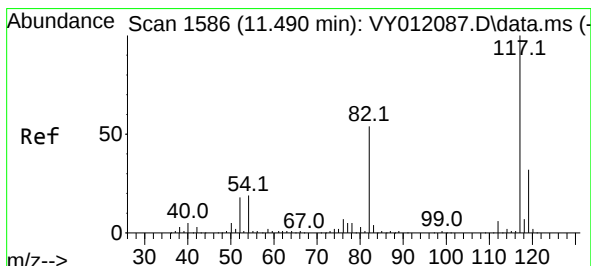
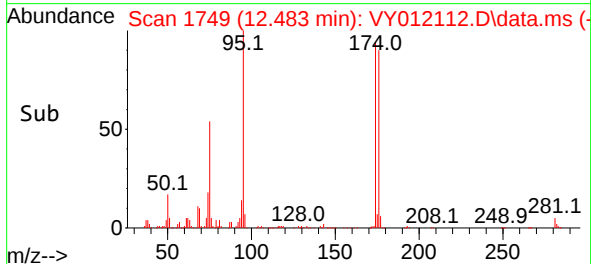
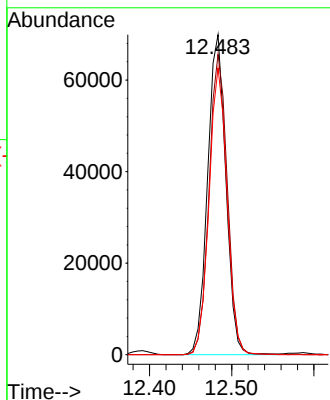
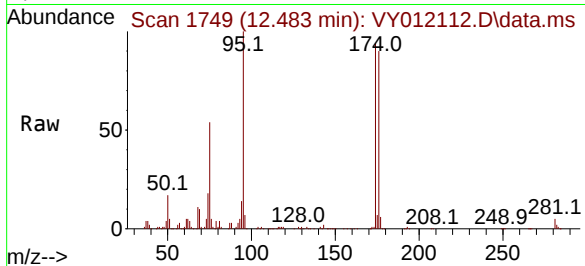




#62
4-Bromofluorobenzene
Concen: 43.385 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

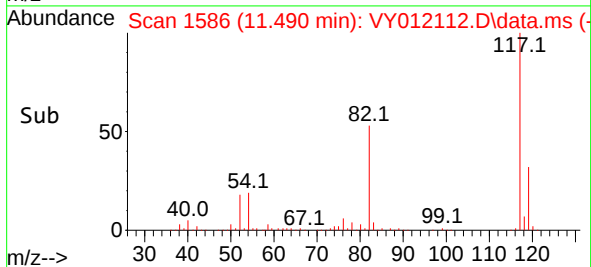
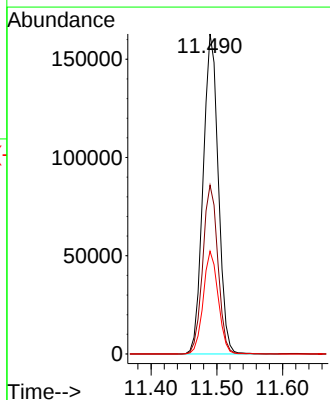
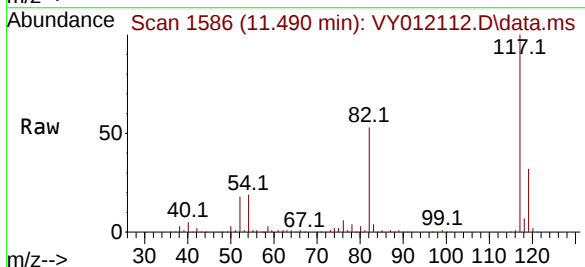
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

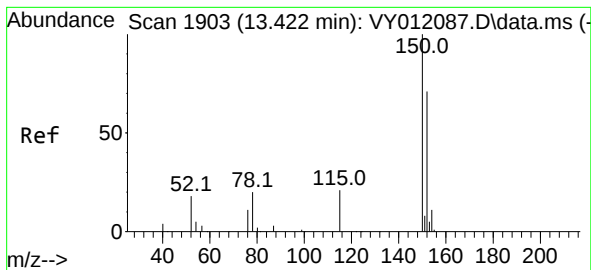
Tgt Ion: 95 Resp: 107897
Ion Ratio Lower Upper
95 100
174 94.0 0.0 172.0
176 88.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 117 Resp: 261880
Ion Ratio Lower Upper
117 100
82 52.7 44.8 67.2
119 32.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012112.D

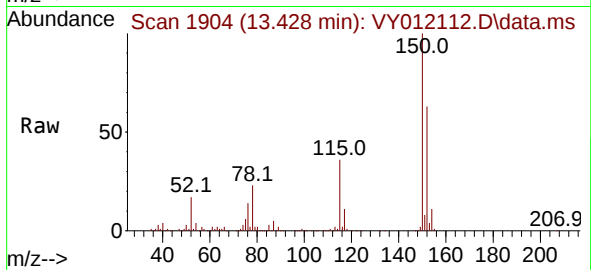
Acq: 09 Jan 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

S-13-01



Tgt Ion:152 Resp: 122351

Ion Ratio Lower Upper

152 100

115 57.8 29.1 87.3

150 157.2 0.0 342.6

