

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012113.D
 Acq On : 09 Jan 2023 16:10
 Operator : KP/MD
 Sample : 01064-05
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-13-02

Quant Time: Jan 10 01:48:02 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)

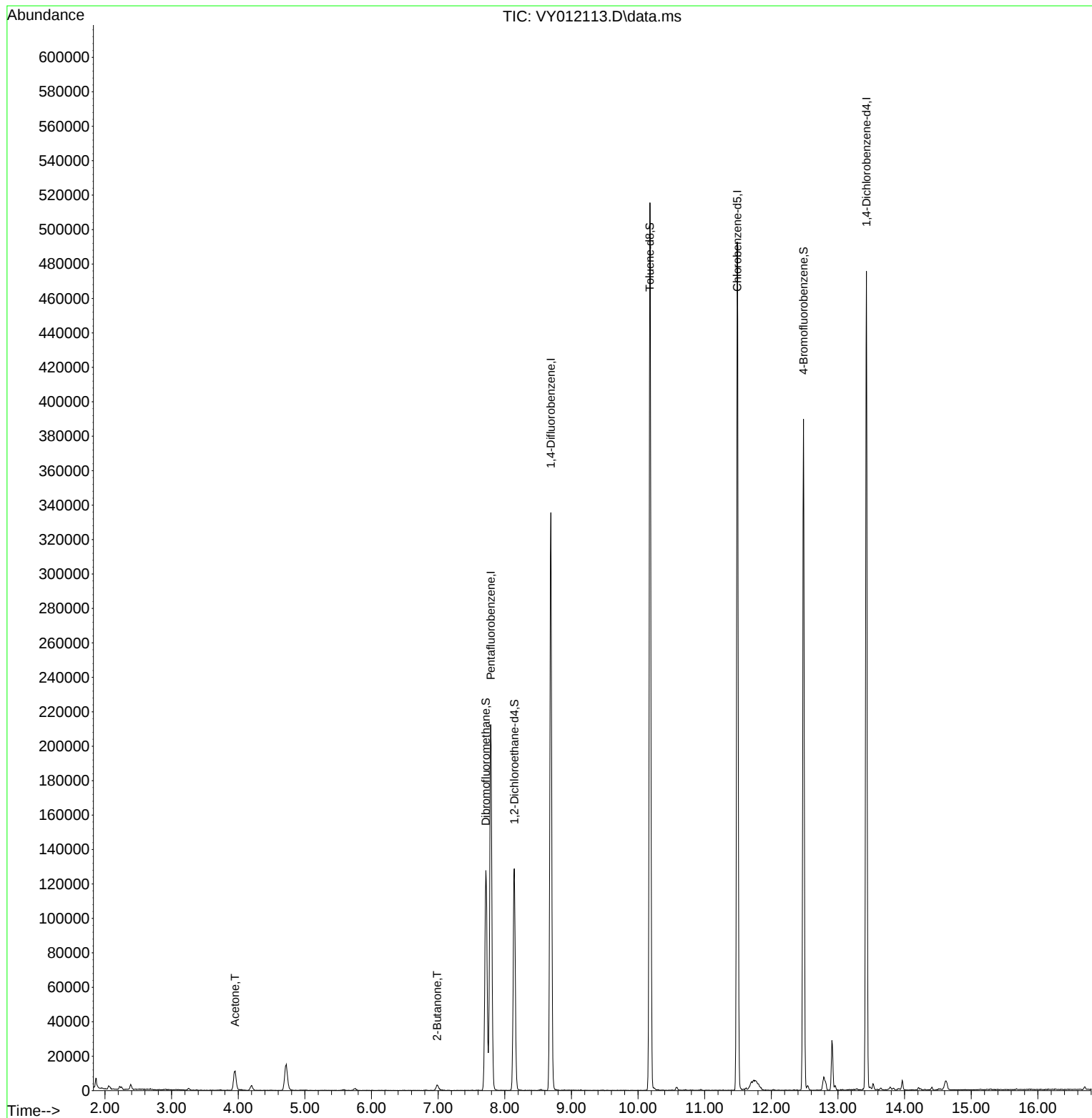
Internal Standards						
1) Pentafluorobenzene	7.789	168	165896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107789	57.823	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.640%
35) Dibromofluoromethane	7.716	113	88189	47.034	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.060%
50) Toluene-d8	10.179	98	342760	46.314	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.620%
62) 4-Bromofluorobenzene	12.483	95	112423	43.459	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.920%
Target Compounds					Qvalue	
16) Acetone	3.954	43	20514	46.781	ug/l	97
25) 2-Butanone	6.984	43	4839	8.364	ug/l	97

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

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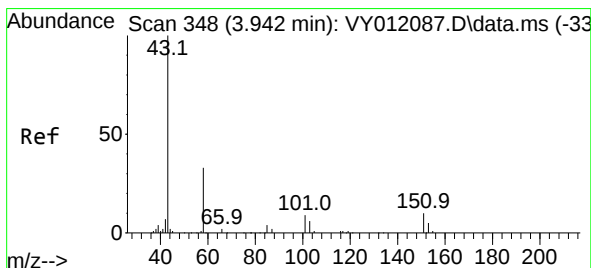
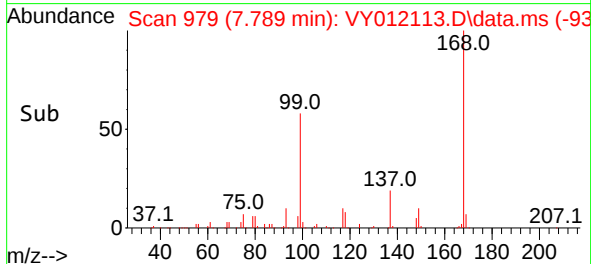
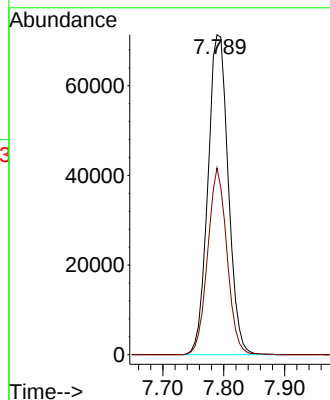
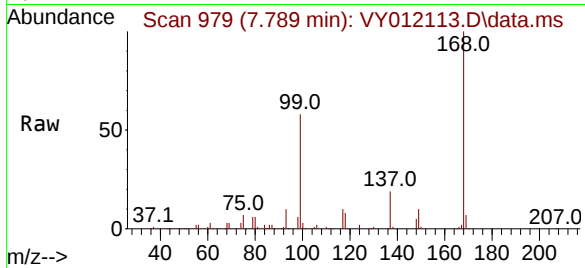




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

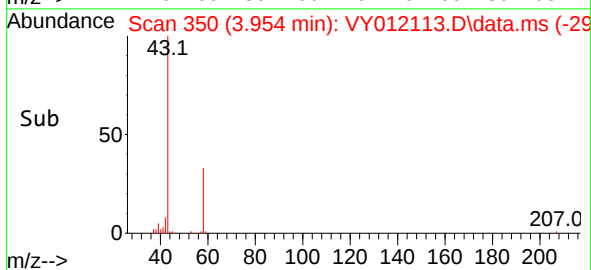
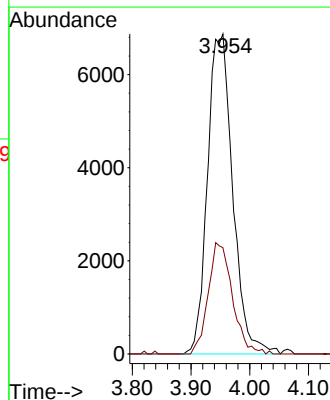
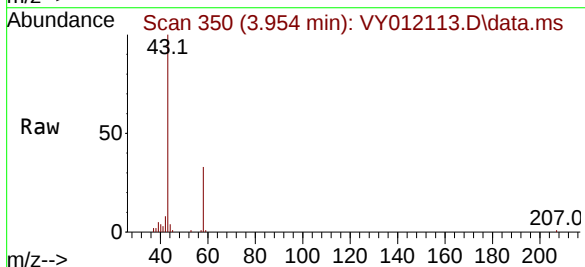
Instrument :
MSVOA_Y
ClientSampleId :
S-13-02

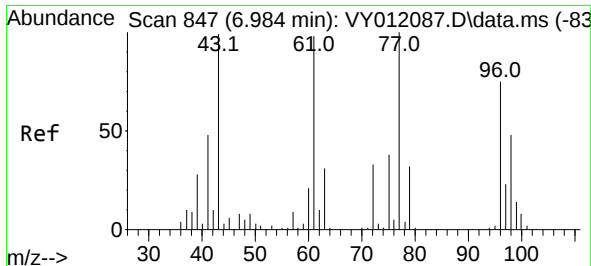
Tgt Ion:168 Resp: 165896
Ion Ratio Lower Upper
168 100
99 58.4 44.0 66.0



#16
Acetone
Concen: 46.781 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Tgt Ion: 43 Resp: 20514
Ion Ratio Lower Upper
43 100
58 33.2 27.9 41.9





#25

2-Butanone

Concen: 8.364 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

Instrument :

MSVOA_Y

ClientSampleId :

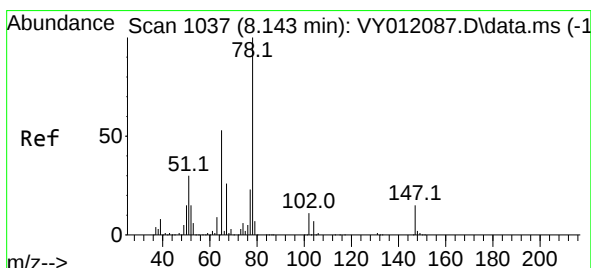
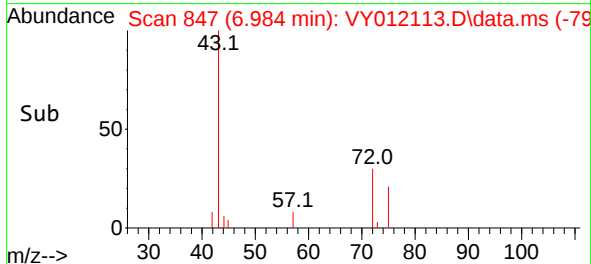
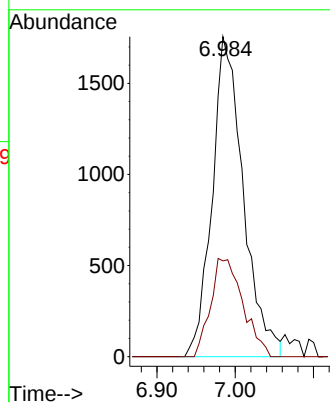
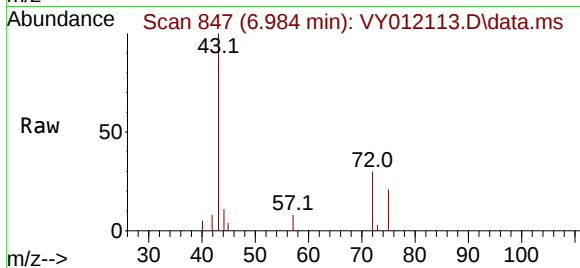
S-13-02

Tgt Ion: 43 Resp: 4839

Ion Ratio Lower Upper

43 100

72 30.0 22.6 34.0



#33

1,2-Dichloroethane-d4

Concen: 57.823 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012113.D

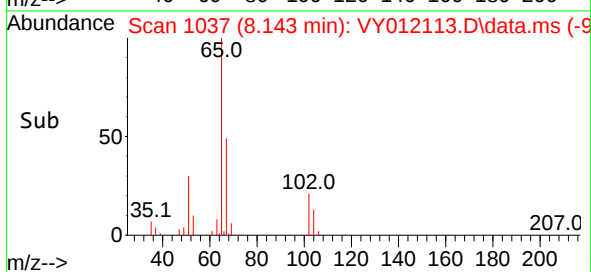
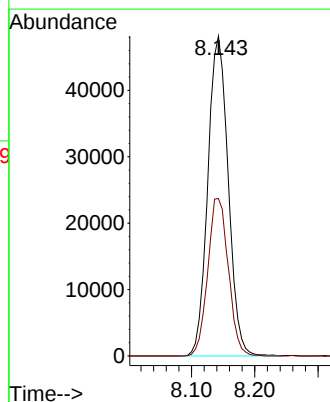
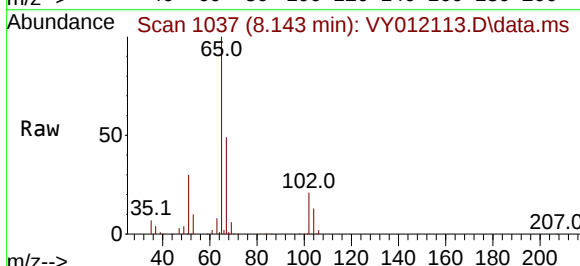
Acq: 09 Jan 2023 16:10

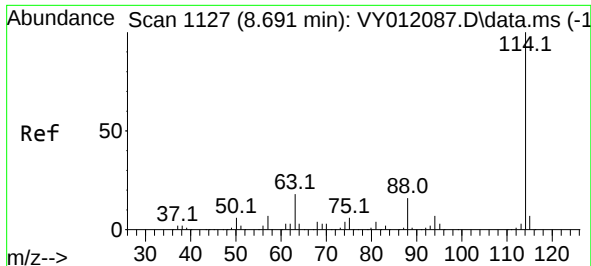
Tgt Ion: 65 Resp: 107789

Ion Ratio Lower Upper

65 100

67 49.8 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: VY012113.D

Acq: 09 Jan 2023 16:10

Instrument :

MSVOA_Y

ClientSampleId :

S-13-02

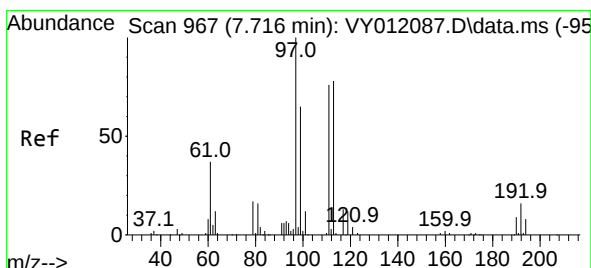
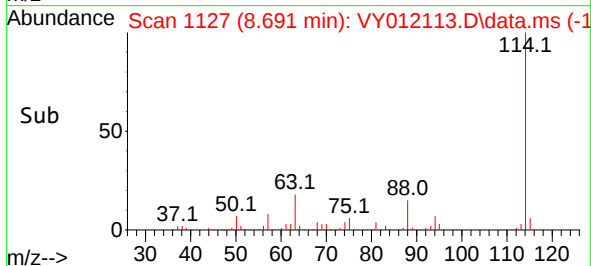
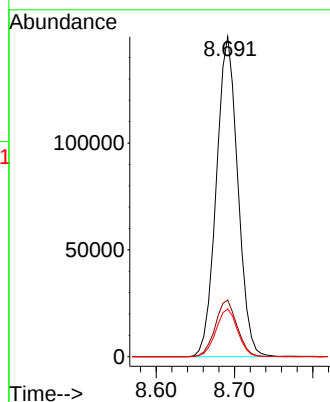
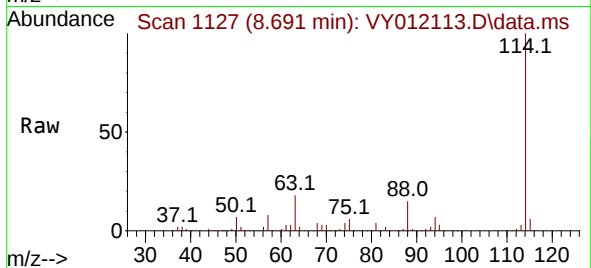
Tgt Ion:114 Resp: 285268

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.034 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

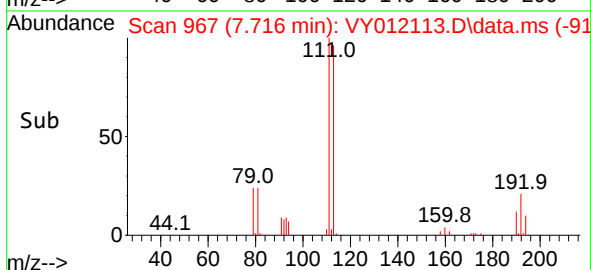
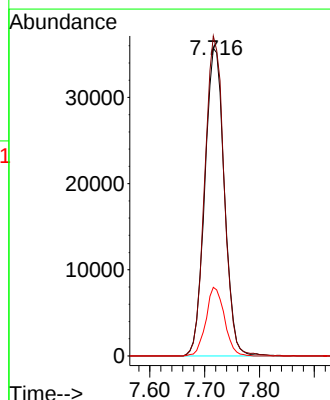
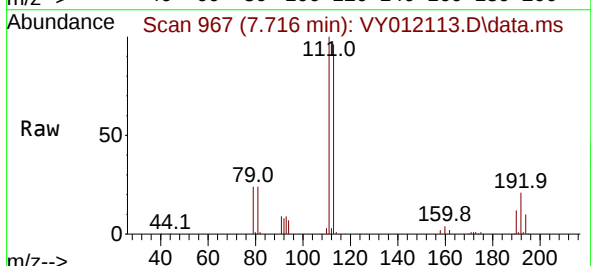
Tgt Ion:113 Resp: 88189

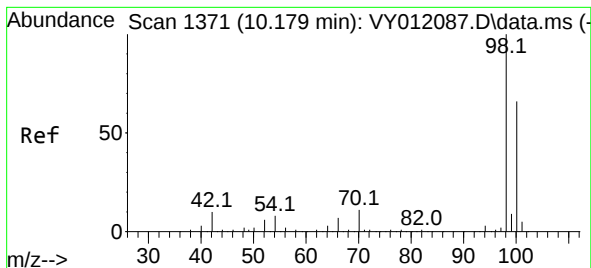
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 21.2 16.0 24.0

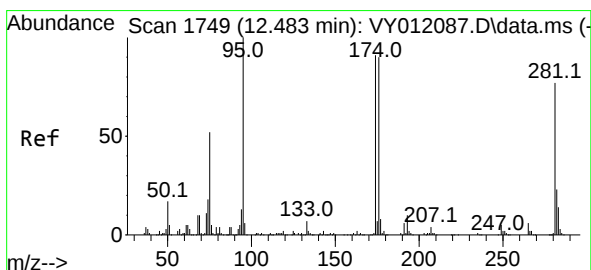
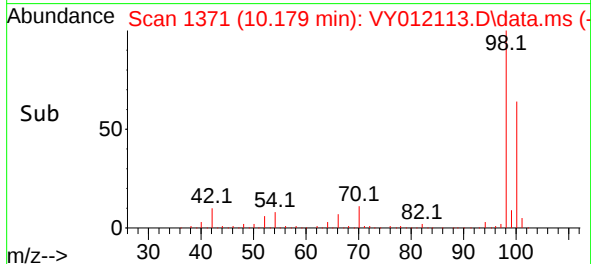
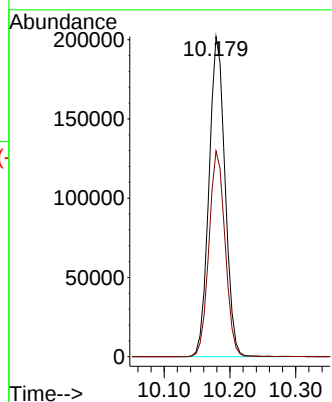
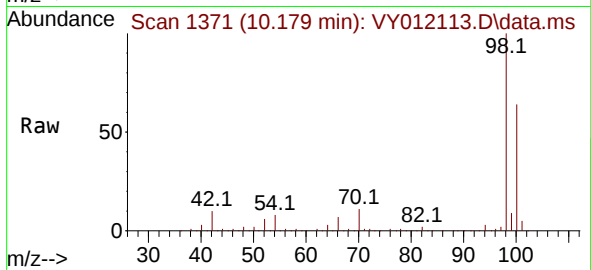




#50
Toluene-d8
Concen: 46.314 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

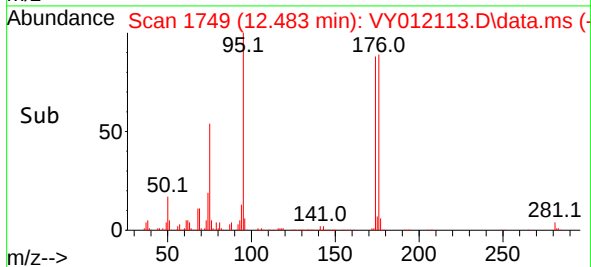
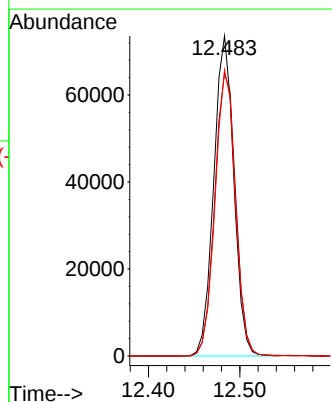
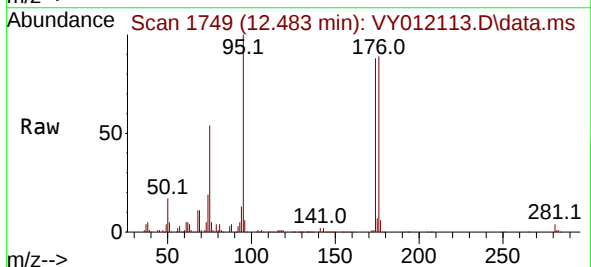
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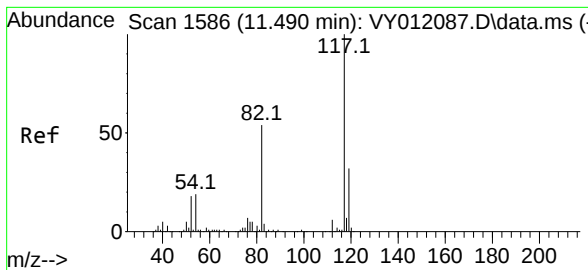
Tgt Ion: 98 Resp: 342760
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.459 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Tgt Ion: 95 Resp: 112423
Ion Ratio Lower Upper
95 100
174 92.7 0.0 172.0
176 90.1 0.0 167.6

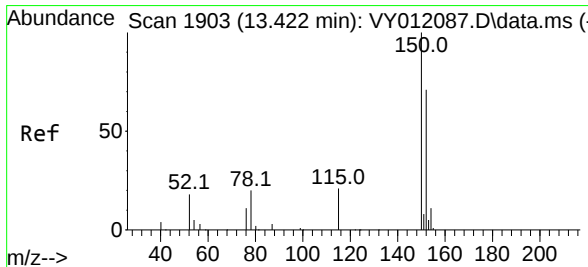
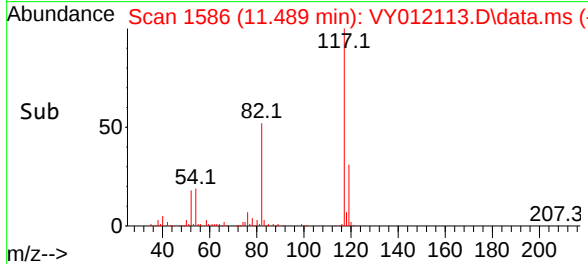
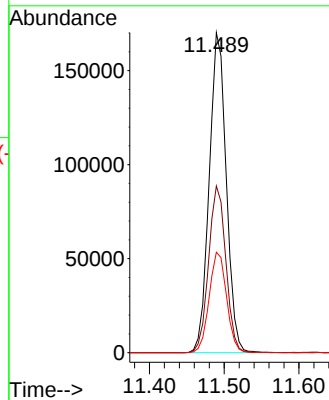
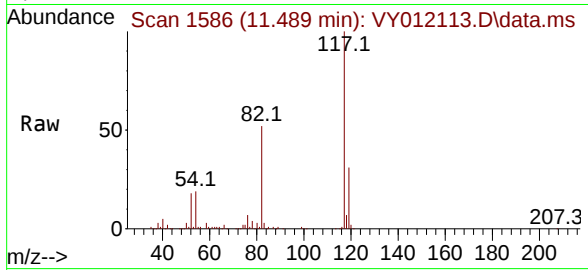




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Instrument :
MSVOA_Y
ClientSampleId :
S-13-02

Tgt Ion:117 Resp: 270266
Ion Ratio Lower Upper
117 100
82 52.1 44.8 67.2
119 31.4 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: VY012113.D
Acq: 09 Jan 2023 16:10

Tgt Ion:152 Resp: 125926
Ion Ratio Lower Upper
152 100
115 56.5 29.1 87.3
150 155.6 0.0 342.6

