

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112423\
 Data File : VY016484.D
 Acq On : 24 Nov 2023 15:05
 Operator : SY/MD
 Sample : 05516-01
 Misc : 4.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11930

Quant Time: Nov 27 04:46:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

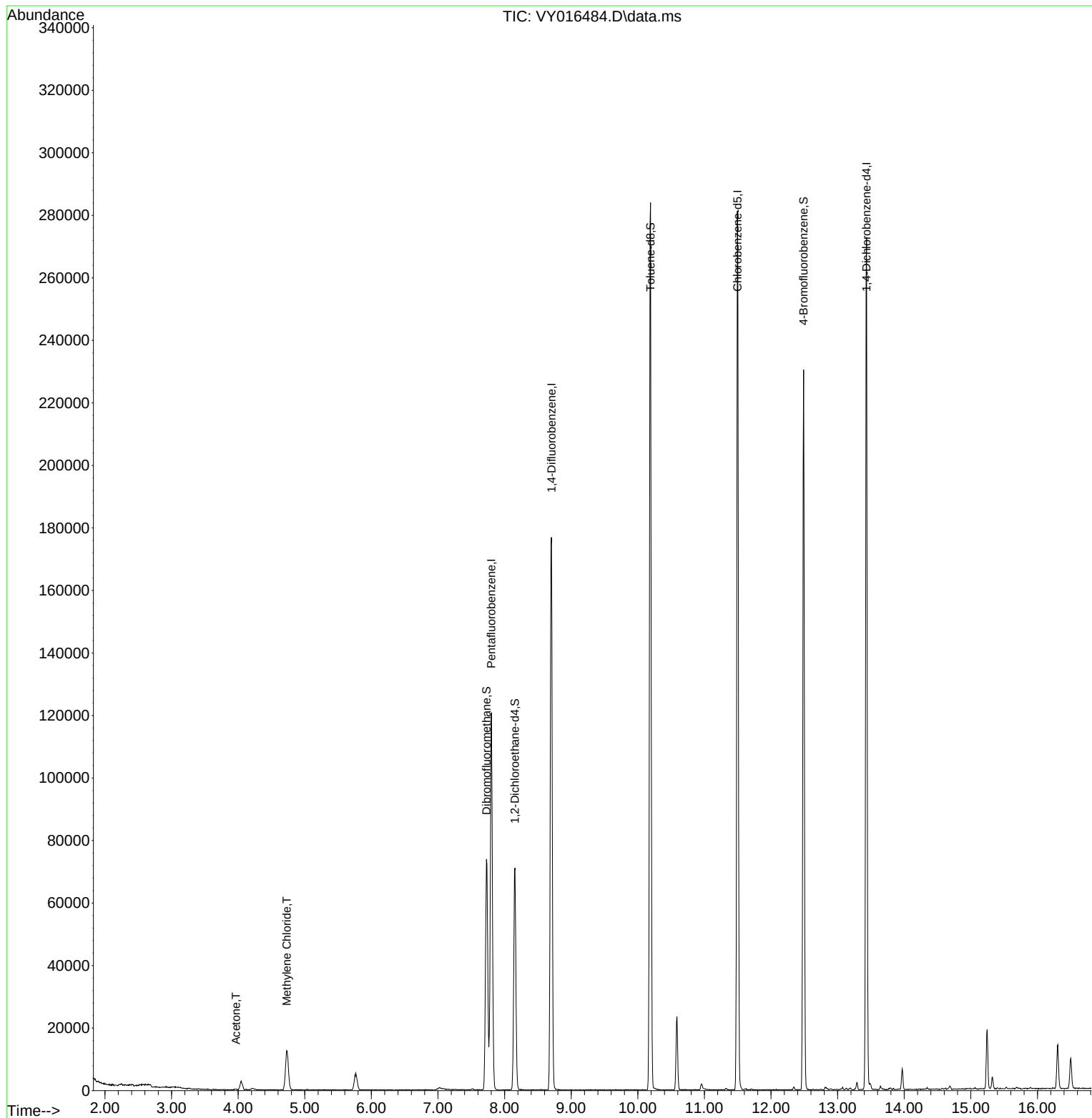
Internal Standards						
1) Pentafluorobenzene	7.801	168	95838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	168431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	165033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	76250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	57242	65.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.700%
35) Dibromofluoromethane	7.728	113	54146	56.591	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.180%
50) Toluene-d8	10.191	98	196350	50.606	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.220%
62) 4-Bromofluorobenzene	12.489	95	67967	53.935	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.860%
Target Compounds						Qvalue
16) Acetone	3.966	43	458	3.161	ug/l	100
20) Methylene Chloride	4.728	84	10658	7.451	ug/l	88

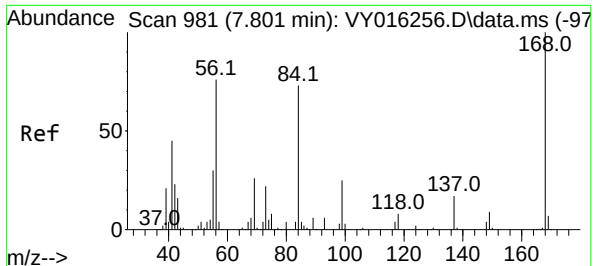
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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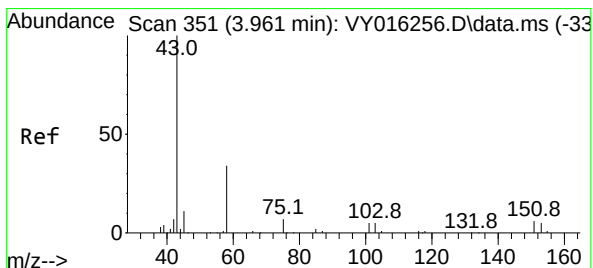
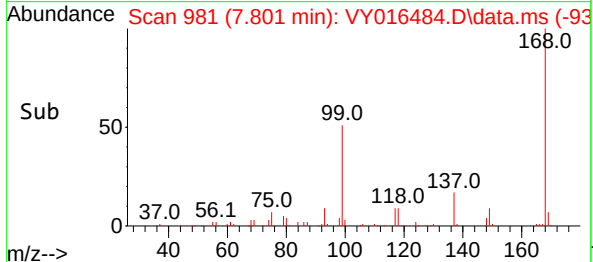
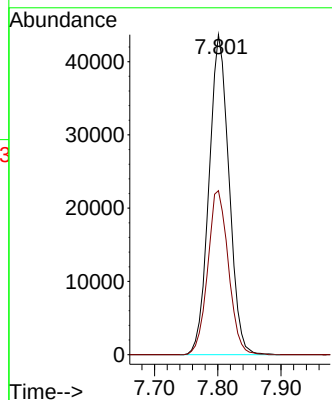
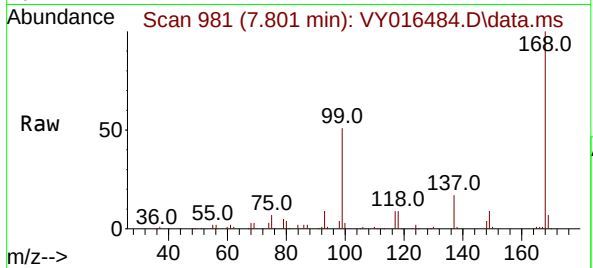




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016484.D
Acq: 24 Nov 2023 15:05

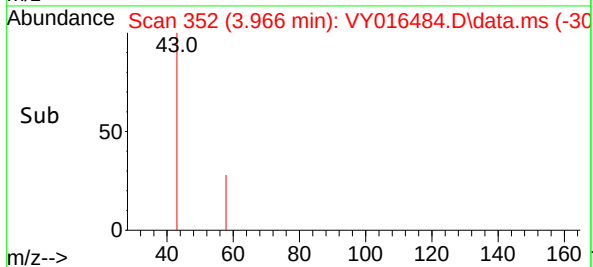
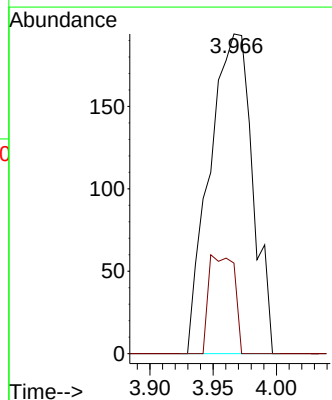
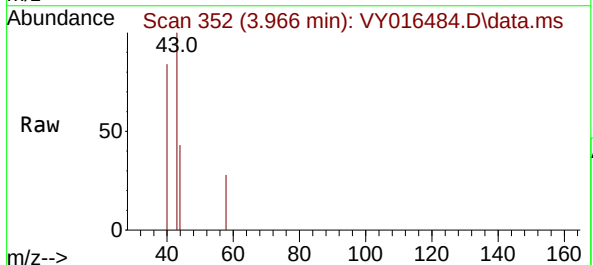
Instrument :
MSVOA_Y
ClientSampleId :
72-11930

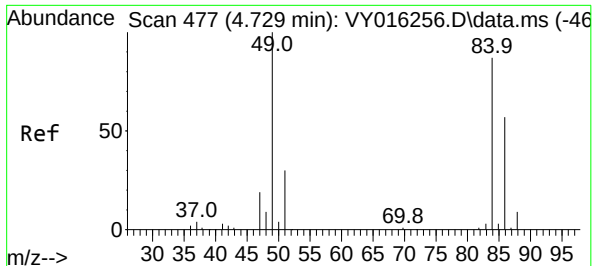
Tgt Ion:168 Resp: 95838
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#16
Acetone
Concen: 3.161 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY016484.D
Acq: 24 Nov 2023 15:05

Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
58 28.4 22.7 34.1





#20

Methylene Chloride

Concen: 7.451 ug/l

RT: 4.728 min Scan# 41

Delta R.T. -0.001 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

Instrument :

MSVOA_Y

ClientSampleId :

72-11930

Tgt Ion: 84 Resp: 10658

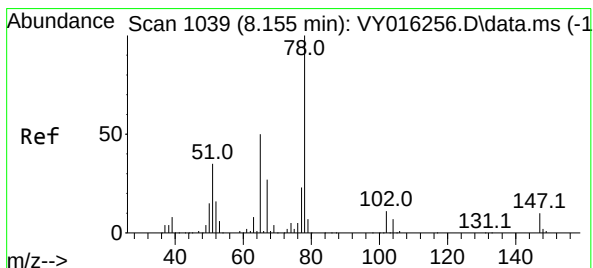
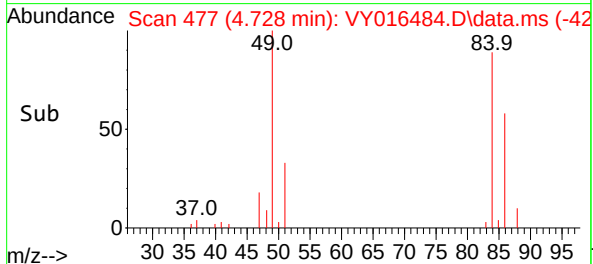
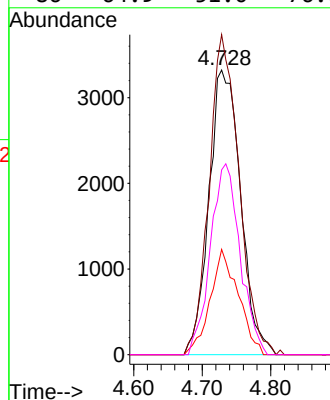
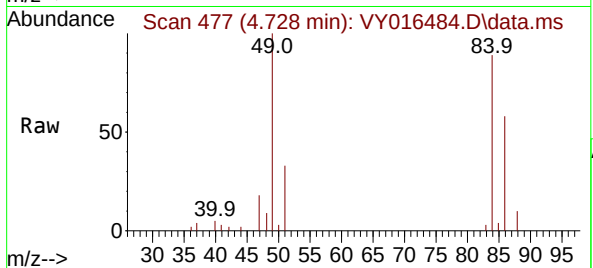
Ion Ratio Lower Upper

84 100

49 112.4 106.9 160.3

51 37.0 33.2 49.8

86 64.9 51.0 76.6



#33

1,2-Dichloroethane-d4

Concen: 65.351 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016484.D

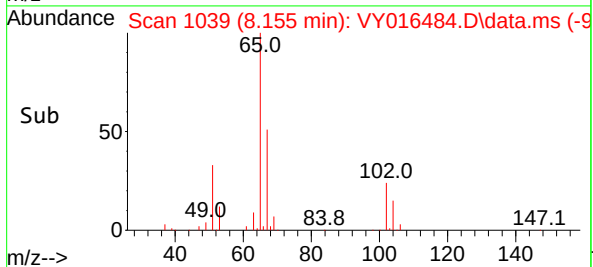
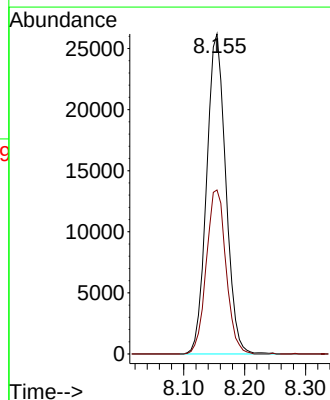
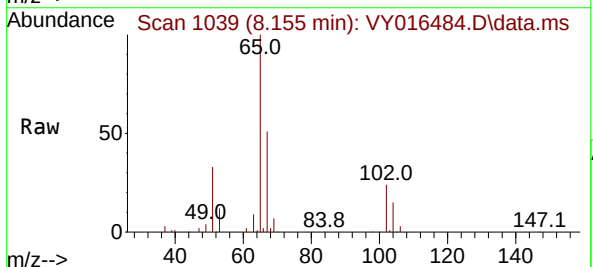
Acq: 24 Nov 2023 15:05

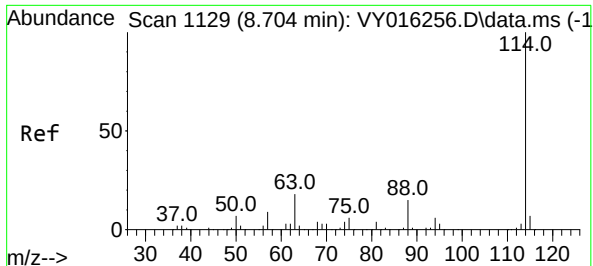
Tgt Ion: 65 Resp: 57242

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

Instrument :

MSVOA_Y

ClientSampleId :

72-11930

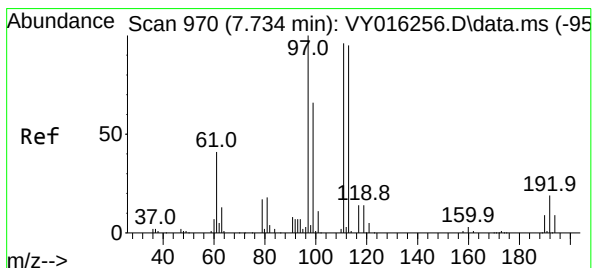
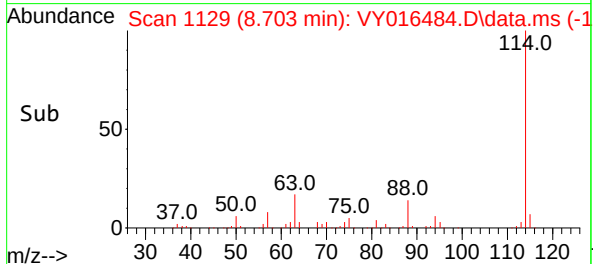
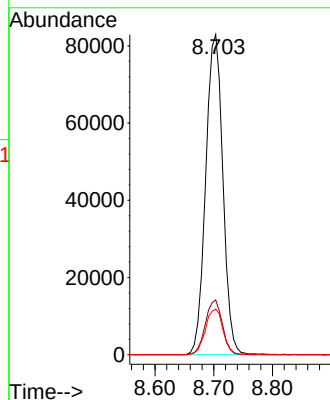
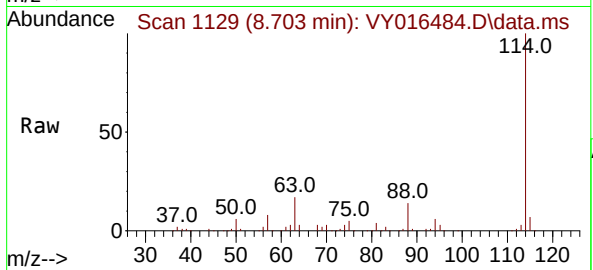
Tgt Ion:114 Resp: 168431

Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.591 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

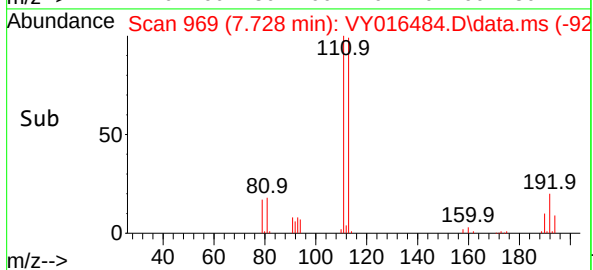
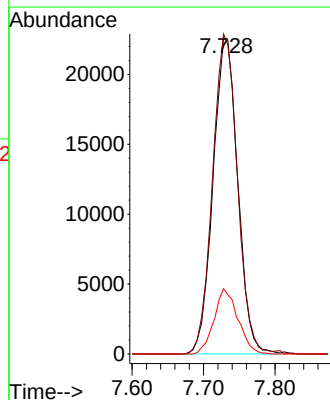
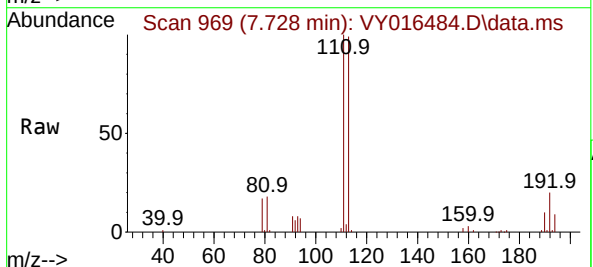
Tgt Ion:113 Resp: 54146

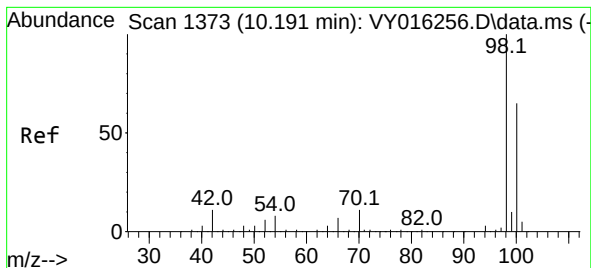
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 19.9 16.9 25.3





#50

Toluene-d8

Concen: 50.606 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

Instrument :

MSVOA_Y

ClientSampleId :

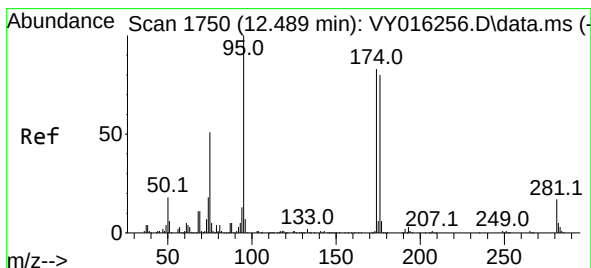
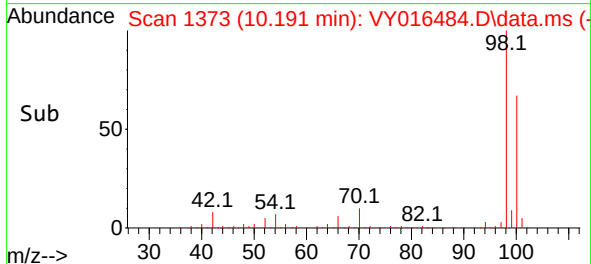
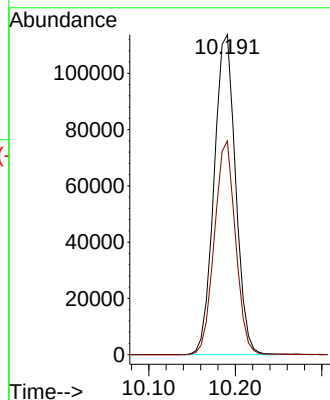
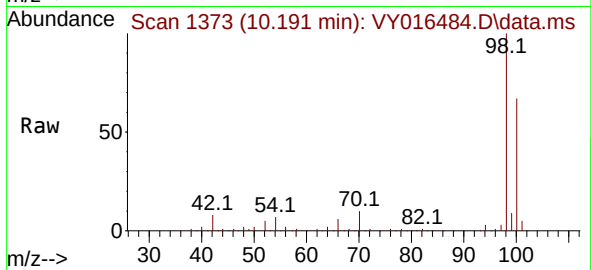
72-11930

Tgt Ion: 98 Resp: 196350

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.935 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

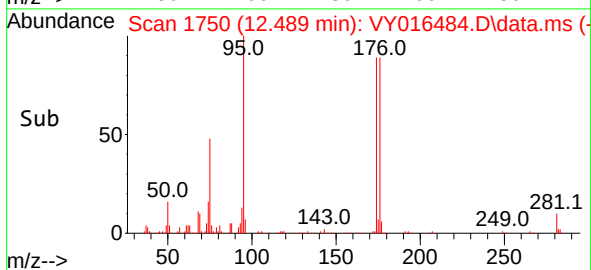
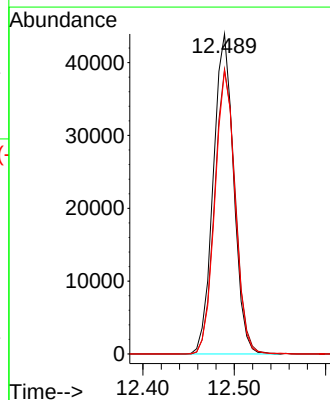
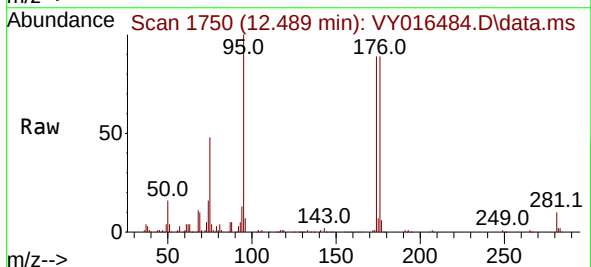
Tgt Ion: 95 Resp: 67967

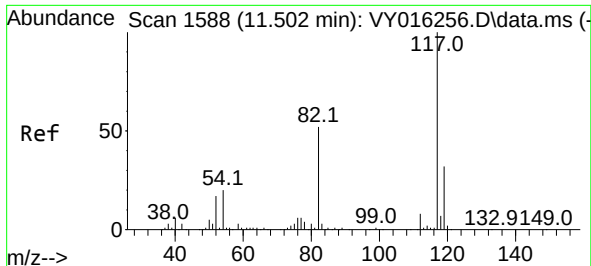
Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.2

176 88.0 0.0 173.8

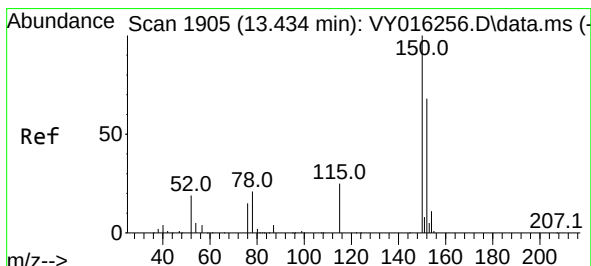
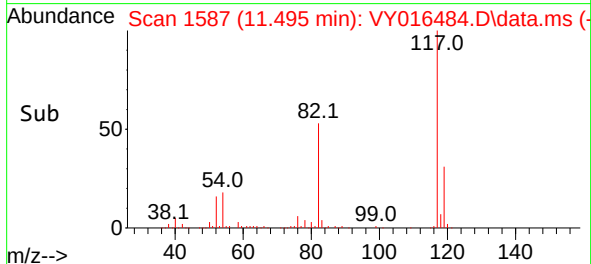
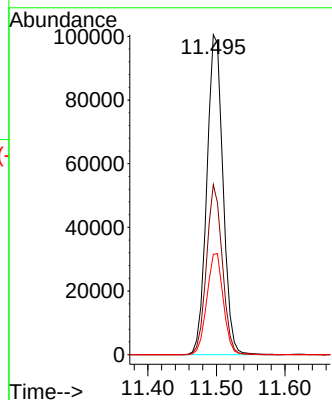
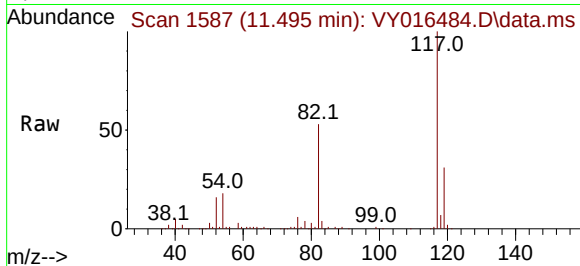




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016484.D
Acq: 24 Nov 2023 15:05

Instrument :
MSVOA_Y
ClientSampleId :
72-11930

Tgt Ion:117 Resp: 165033
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016484.D
Acq: 24 Nov 2023 15:05

Tgt Ion:152 Resp: 76250
Ion Ratio Lower Upper
152 100
115 56.4 28.8 86.5
150 153.9 0.0 348.8

