

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019176.D
 Acq On : 21 Aug 2024 17:54
 Operator : SY/MD
 Sample : P3643-04RE
 Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 932-K1-SD-0.5-1-081524RE

Quant Time: Aug 22 01:16:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

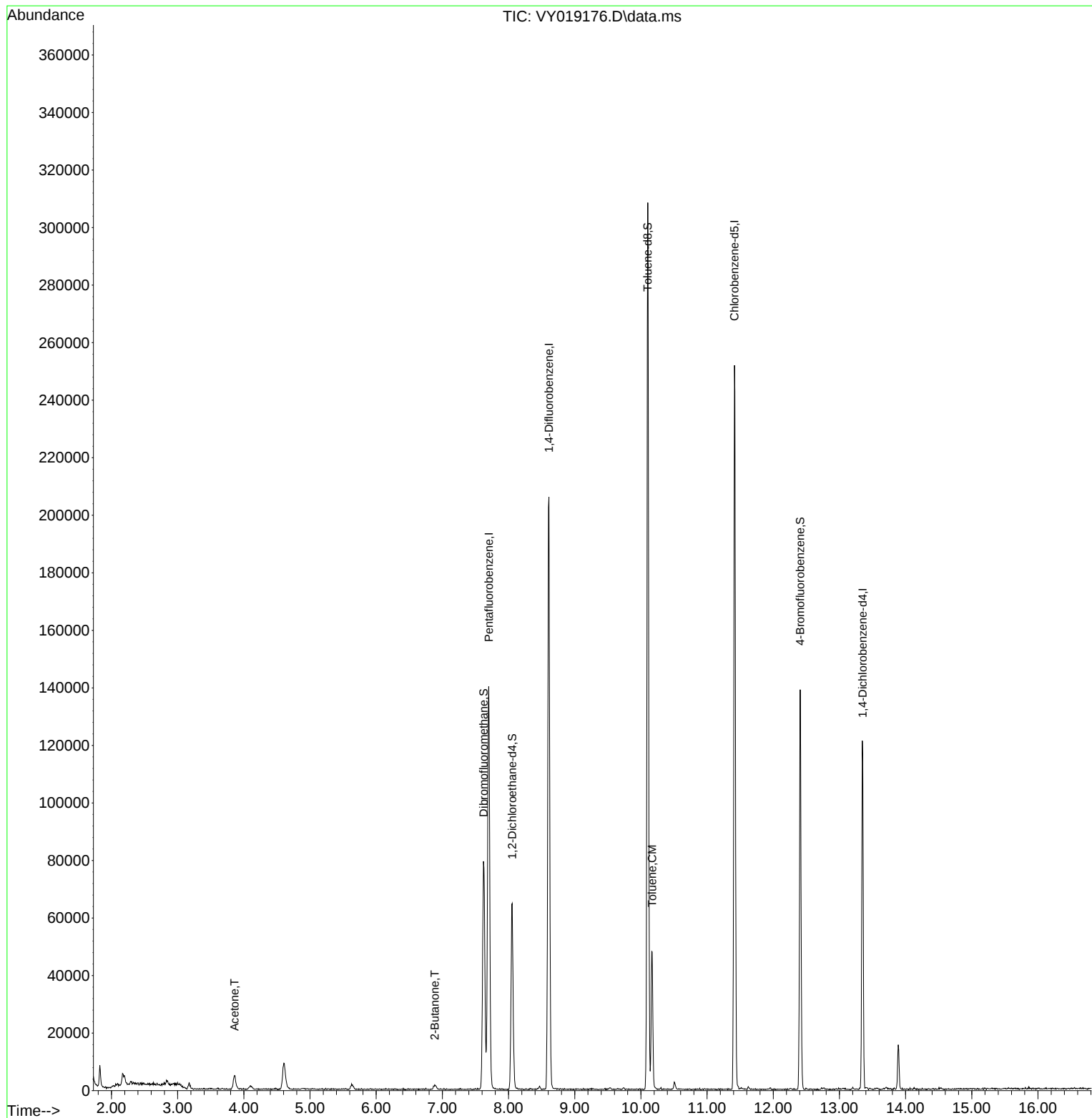
Internal Standards						
1) Pentafluorobenzene	7.701	168	110099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	181237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	141069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	30478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	50371	45.640	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.280%
35) Dibromofluoromethane	7.622	113	55785	47.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.140%
50) Toluene-d8	10.103	98	198281	46.495	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.000%
62) 4-Bromofluorobenzene	12.408	95	38248	26.309	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	52.620%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	8224	40.180	ug/l #	79
25) 2-Butanone	6.884	43	2670	8.100	ug/l	97
52) Toluene	10.170	92	20746	6.333	ug/l	94

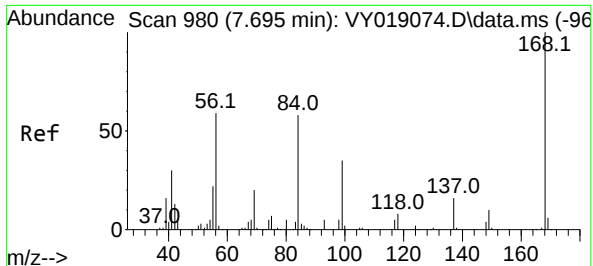
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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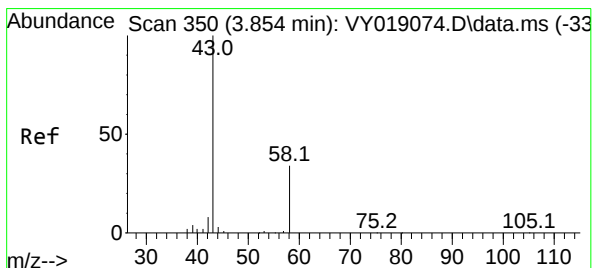
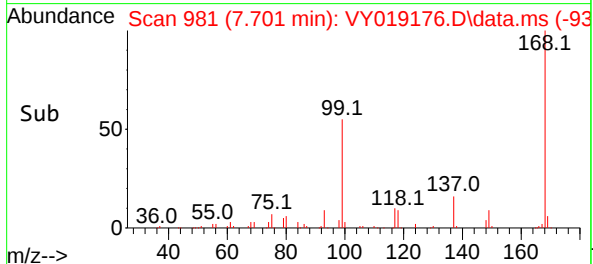
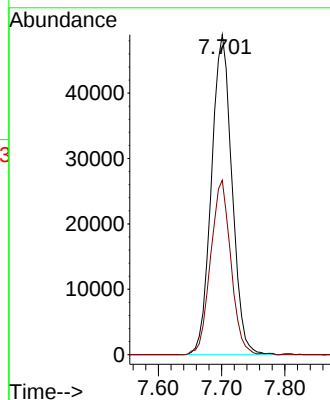
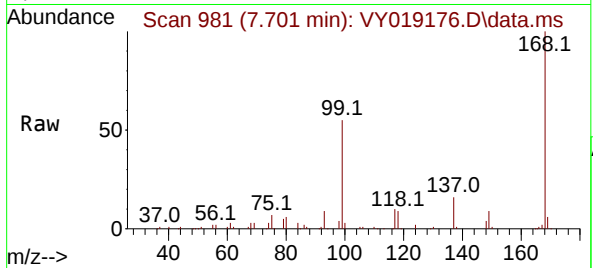




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019176.D
Acq: 21 Aug 2024 17:54

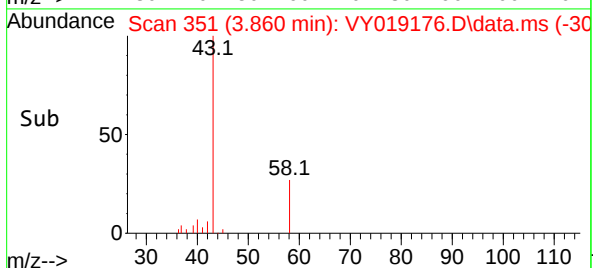
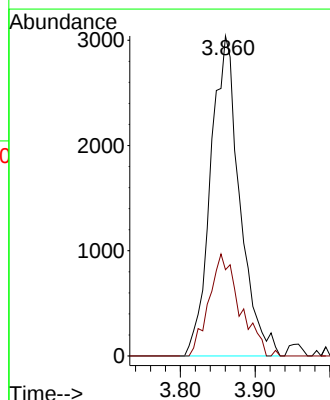
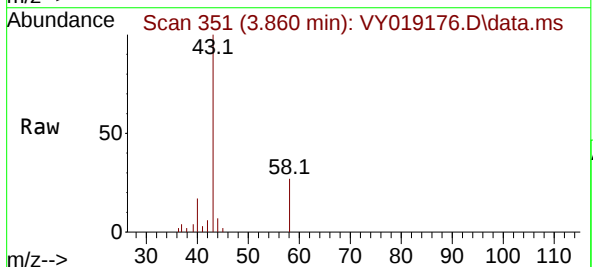
Instrument :
MSVOA_Y
ClientSampleId :
932-K1-SD-0.5-1-081524RE

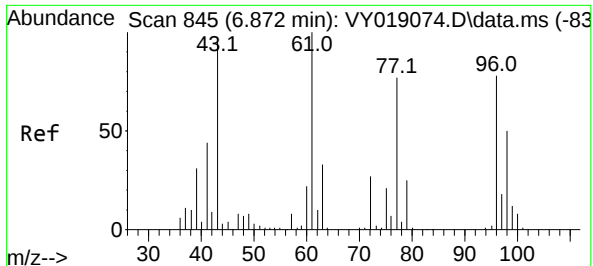
Tgt Ion:168 Resp: 110099
Ion Ratio Lower Upper
168 100
99 54.5 39.1 58.7



#16
Acetone
Concen: 40.180 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019176.D
Acq: 21 Aug 2024 17:54

Tgt Ion: 43 Resp: 8224
Ion Ratio Lower Upper
43 100
58 27.0 31.7 47.5#





#25

2-Butanone

Concen: 8.100 ug/l

RT: 6.884 min Scan# 845

Delta R.T. 0.012 min

Lab File: VY019176.D

Acq: 21 Aug 2024 17:54

Instrument :

MSVOA_Y

ClientSampleId :

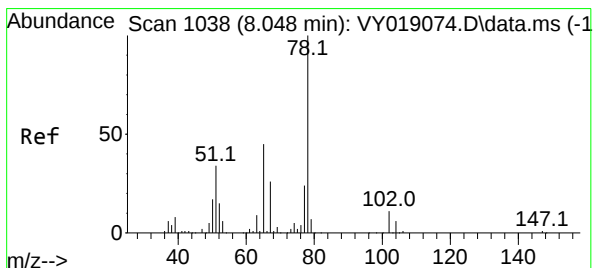
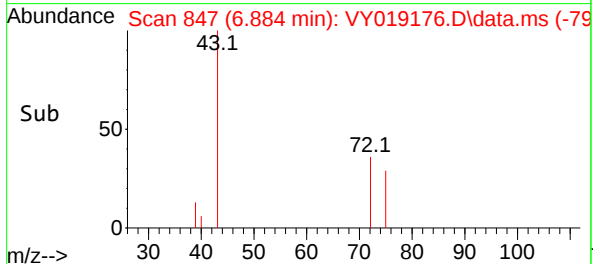
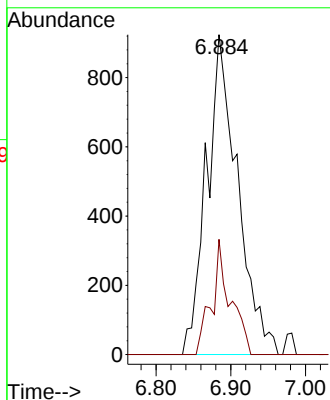
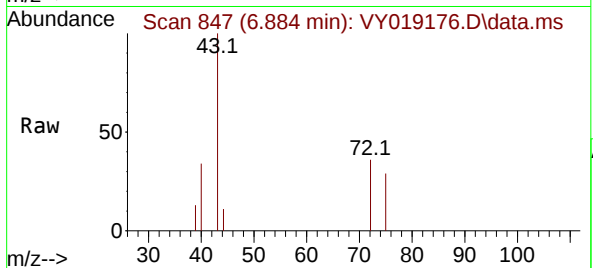
932-K1-SD-0.5-1-081524RE

Tgt Ion: 43 Resp: 2670

Ion Ratio Lower Upper

43 100

72 36.0 27.3 40.9



#33

1,2-Dichloroethane-d4

Concen: 45.640 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY019176.D

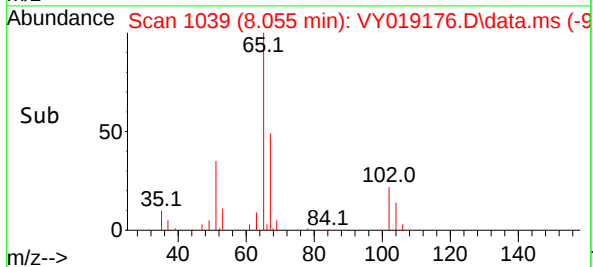
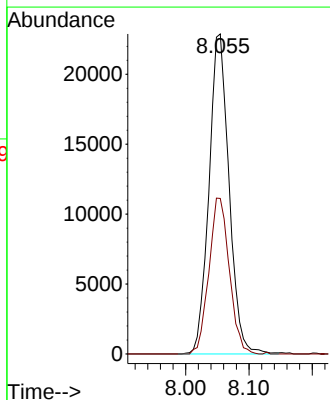
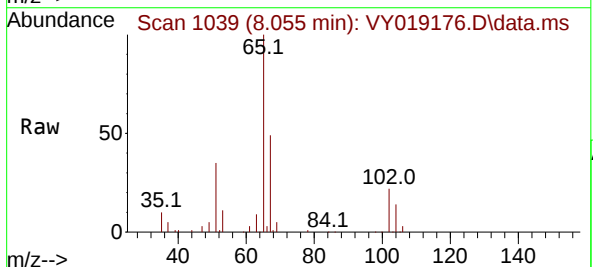
Acq: 21 Aug 2024 17:54

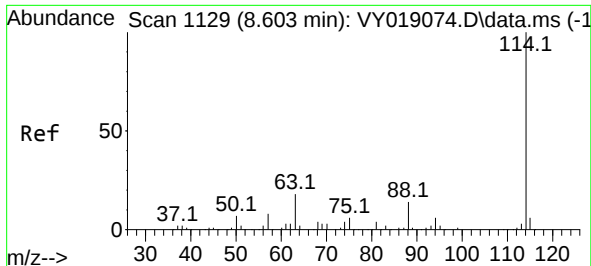
Tgt Ion: 65 Resp: 50371

Ion Ratio Lower Upper

65 100

67 49.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019176.D

Acq: 21 Aug 2024 17:54

Instrument :

MSVOA_Y

ClientSampleId :

932-K1-SD-0.5-1-081524RE

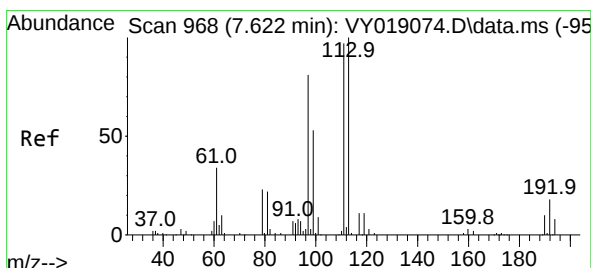
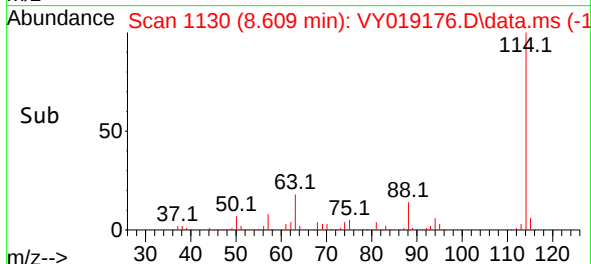
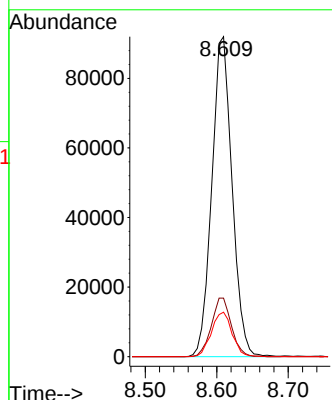
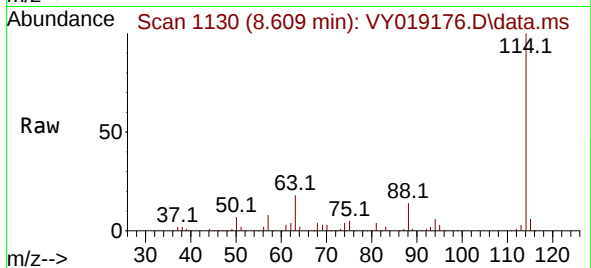
Tgt Ion:114 Resp: 181237

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.075 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019176.D

Acq: 21 Aug 2024 17:54

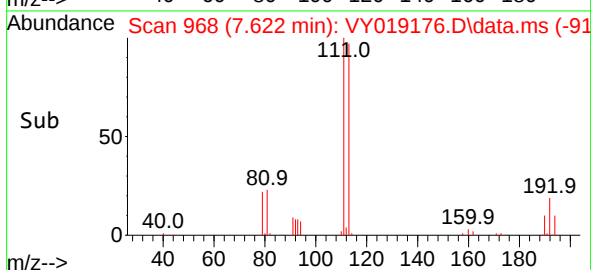
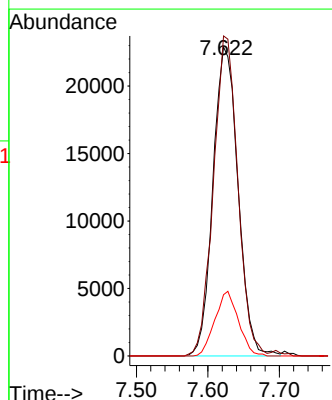
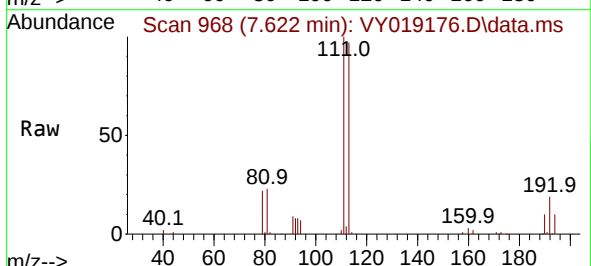
Tgt Ion:113 Resp: 55785

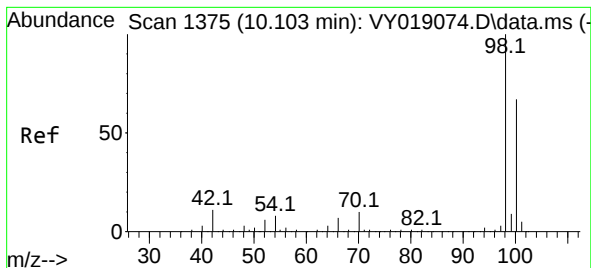
Ion Ratio Lower Upper

113 100

111 100.6 82.2 123.4

192 19.7 15.9 23.9





#50

Toluene-d8

Concen: 46.495 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019176.D

Acq: 21 Aug 2024 17:54

Instrument :

MSVOA_Y

ClientSampleId :

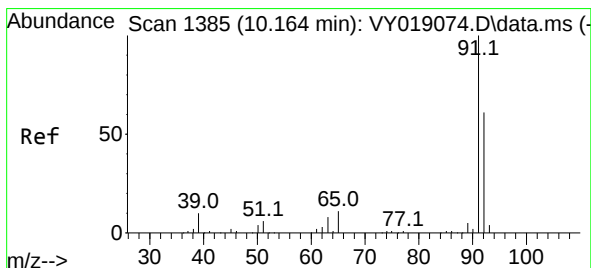
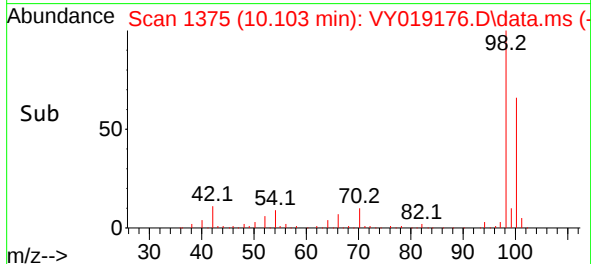
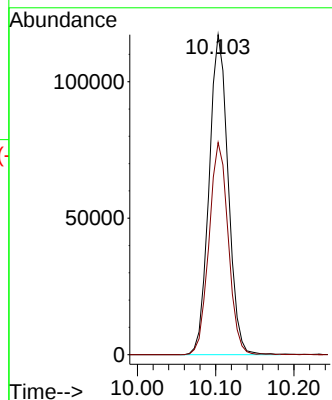
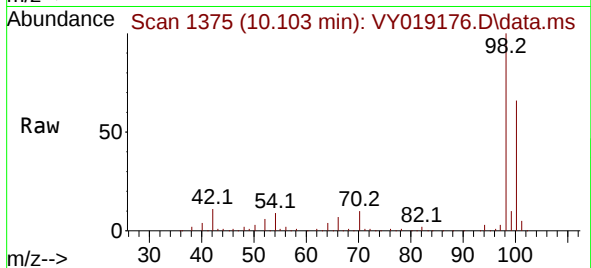
932-K1-SD-0.5-1-081524RE

Tgt Ion: 98 Resp: 198281

Ion Ratio Lower Upper

98 100

100 66.8 52.0 78.0



#52

Toluene

Concen: 6.333 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY019176.D

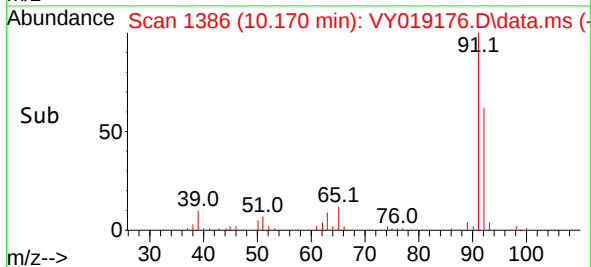
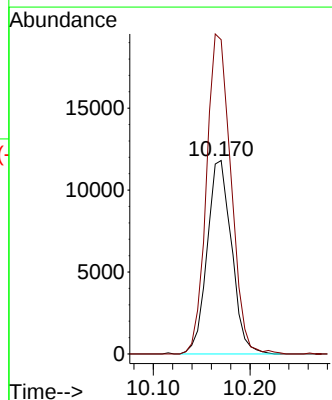
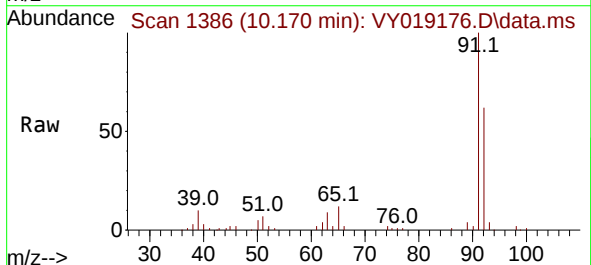
Acq: 21 Aug 2024 17:54

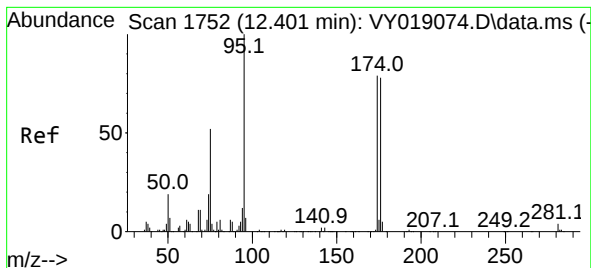
Tgt Ion: 92 Resp: 20746

Ion Ratio Lower Upper

92 100

91 165.9 139.0 208.6





#62

4-Bromofluorobenzene

Concen: 26.309 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019176.D

Acq: 21 Aug 2024 17:54

Instrument :

MSVOA_Y

ClientSampleId :

932-K1-SD-0.5-1-081524RE

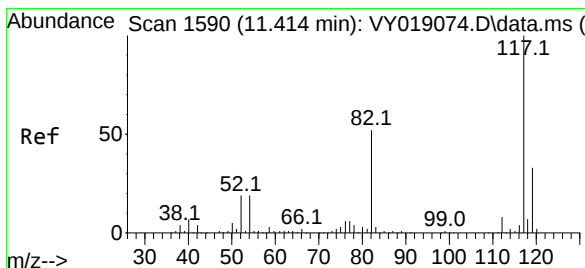
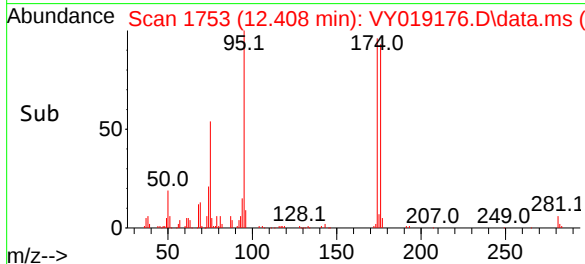
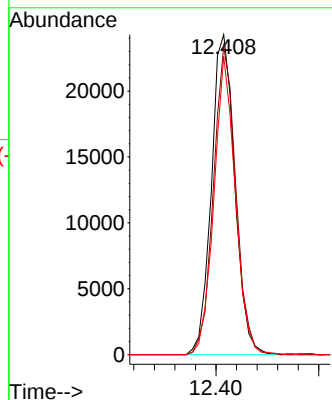
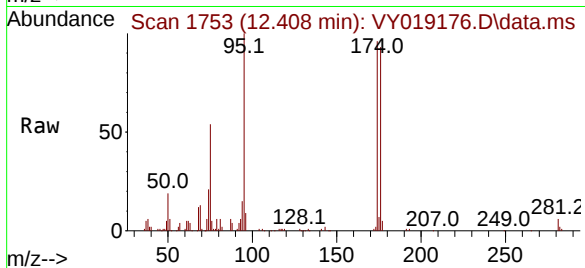
Tgt Ion: 95 Resp: 38248

Ion Ratio Lower Upper

95 100

174 92.4 0.0 175.6

176 85.6 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY019176.D

Acq: 21 Aug 2024 17:54

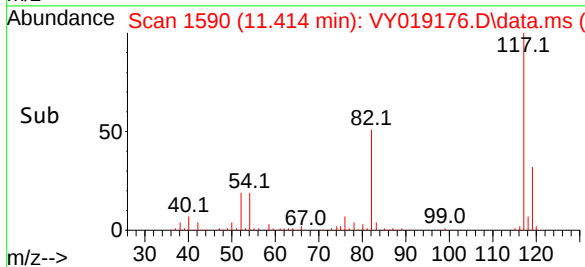
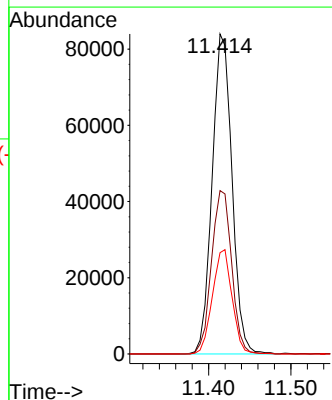
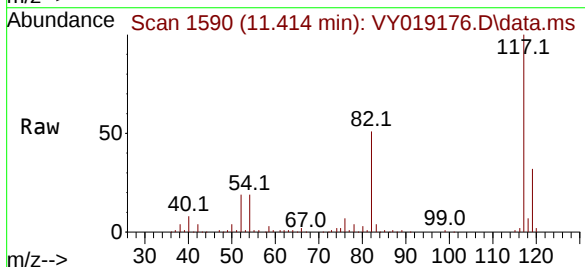
Tgt Ion: 117 Resp: 141069

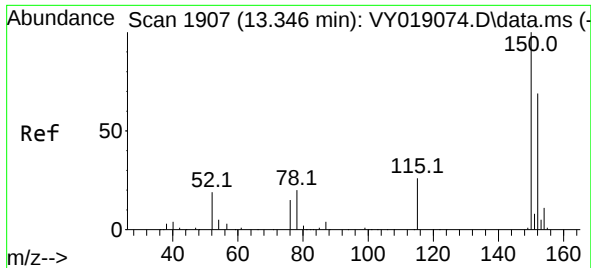
Ion Ratio Lower Upper

117 100

82 51.1 42.4 63.6

119 31.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY019176.D

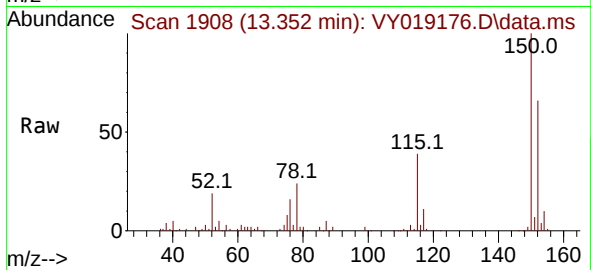
Acq: 21 Aug 2024 17:54

Instrument :

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ClientSampleId :

932-K1-SD-0.5-1-081524RE



Tgt Ion:152 Resp: 30478

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.7

150 156.6 0.0 345.6

