

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016814.D
 Acq On : 22 Dec 2023 17:34
 Operator : SY/MD
 Sample : 05877-16
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COM55

Quant Time: Dec 22 23:02:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

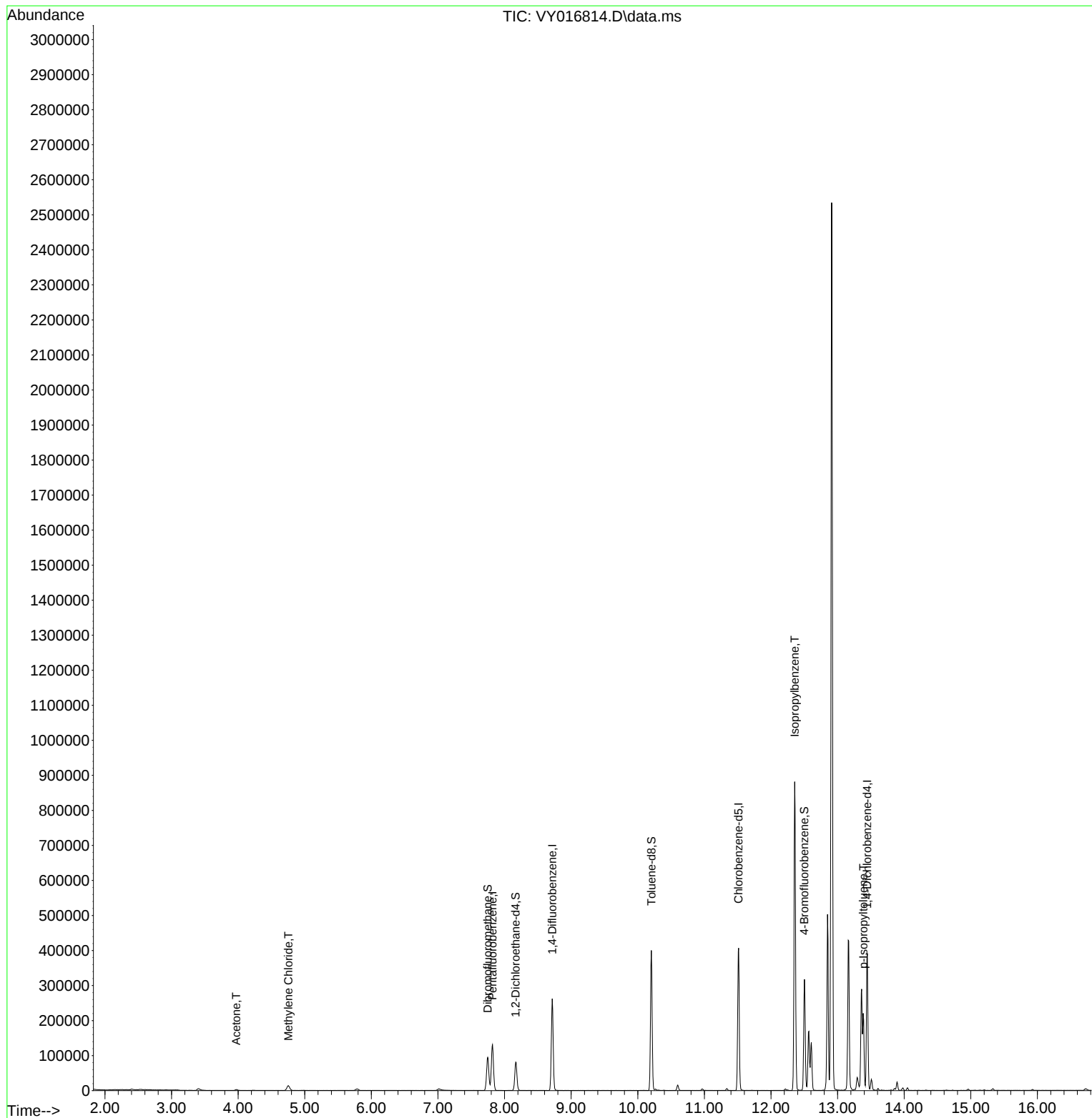
Internal Standards						
1) Pentafluorobenzene	7.819	168	97434	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	219560	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	222816	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	94378	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	64352	72.349	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	144.700%
35) Dibromofluoromethane	7.746	113	69691	55.412	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.820%
50) Toluene-d8	10.203	98	256541	56.583	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.160%
62) 4-Bromofluorobenzene	12.502	95	92422	62.833	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	125.660%
Target Compounds						
						Qvalue
16) Acetone	3.973	43	4805	19.977	ug/l	96
20) Methylene Chloride	4.753	84	10743	5.998	ug/l	96
73) Isopropylbenzene	12.355	105	33846	4.605	ug/l #	66
86) p-Isopropyltoluene	13.386	119	121111	19.400	ug/l	99

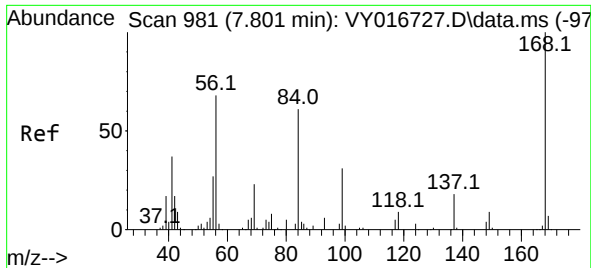
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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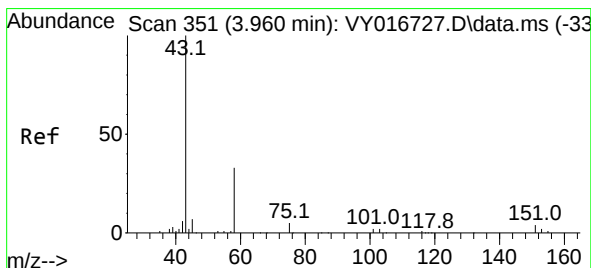
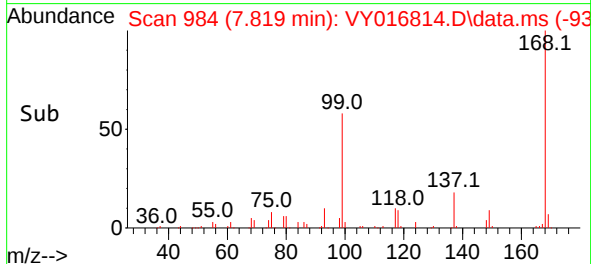
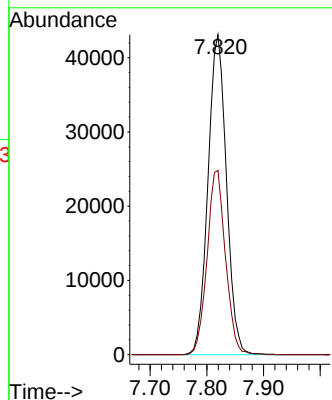
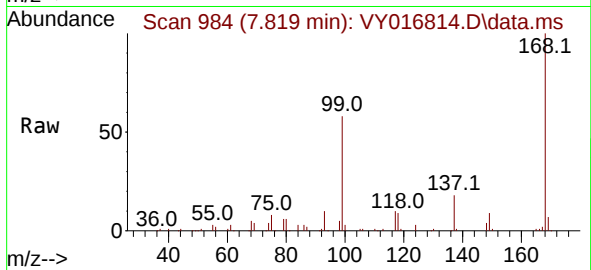




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

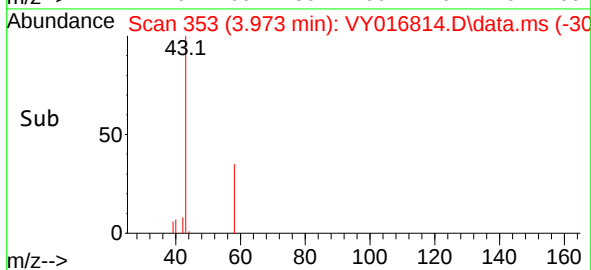
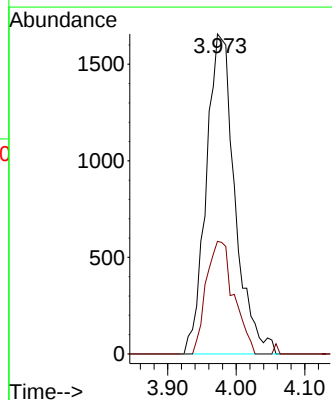
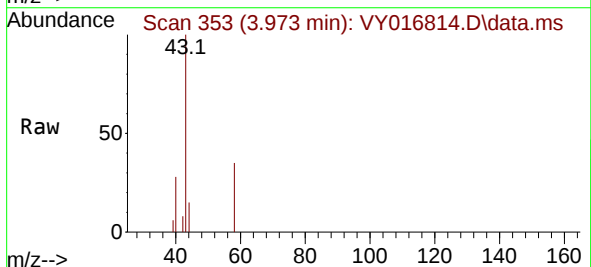
Instrument :
MSVOA_Y
ClientSampleId :
COM55

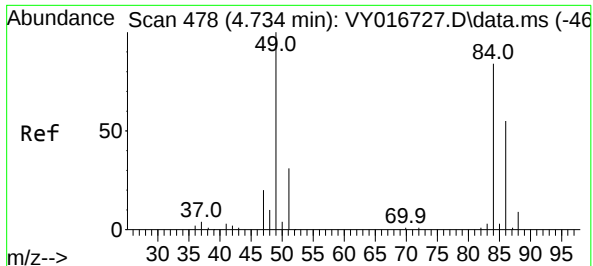
Tgt Ion:168 Resp: 97434
Ion Ratio Lower Upper
168 100
99 57.6 44.2 66.4



#16
Acetone
Concen: 19.977 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.013 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Tgt Ion: 43 Resp: 4805
Ion Ratio Lower Upper
43 100
58 35.2 26.6 39.8



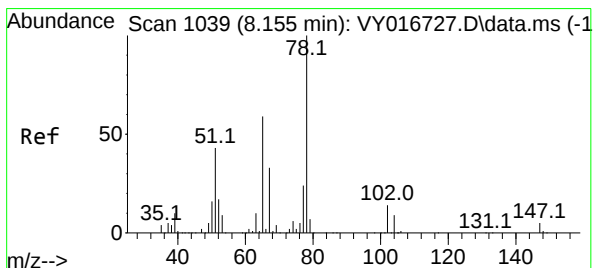
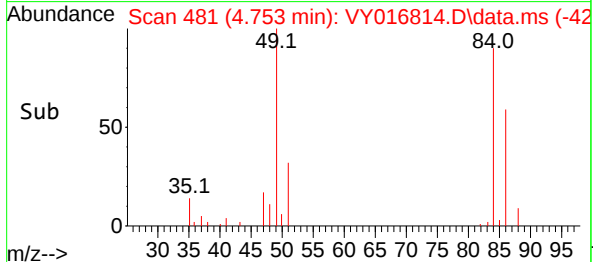
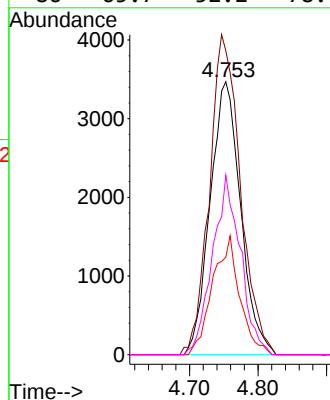
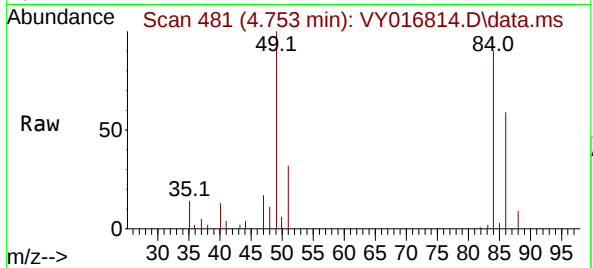


#20
Methylene Chloride
Concen: 5.998 ug/l
RT: 4.753 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :
COM55

Tgt Ion: 84 Resp: 10743

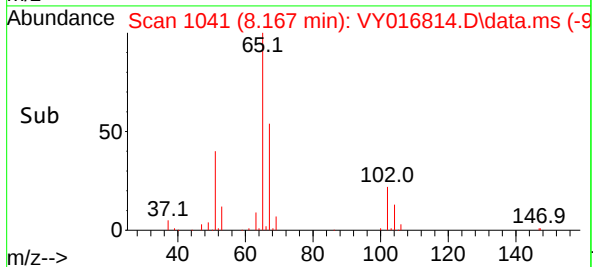
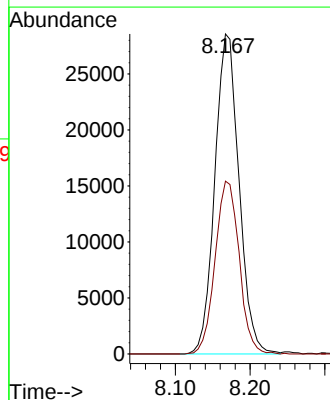
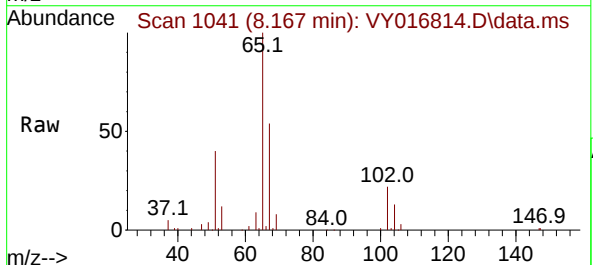
Ion	Ratio	Lower	Upper
84	100		
49	111.4	95.2	142.8
51	35.7	29.9	44.9
86	65.7	52.2	78.4

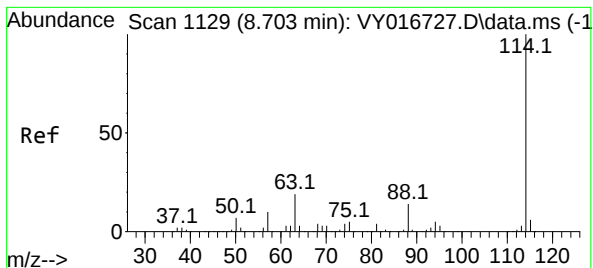


#33
1,2-Dichloroethane-d4
Concen: 72.349 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Tgt Ion: 65 Resp: 64352

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1129

Delta R.T. 0.013 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :

COM55

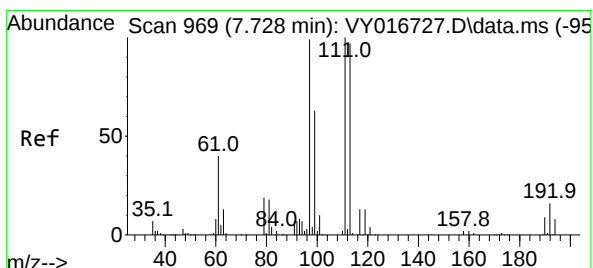
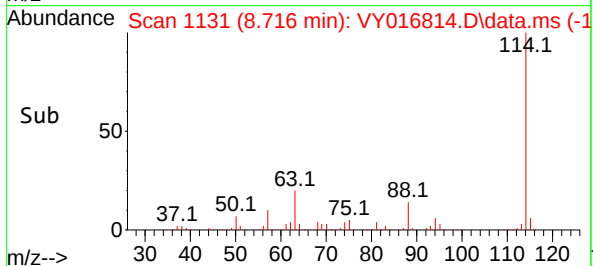
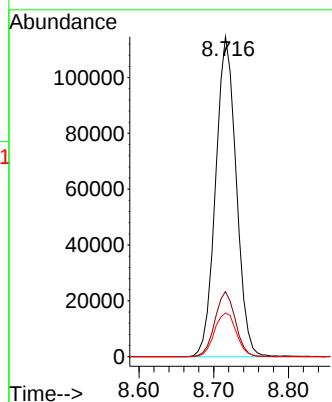
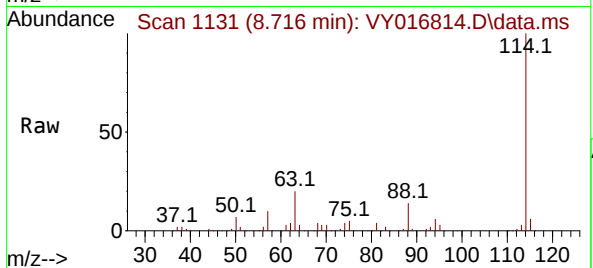
Tgt Ion:114 Resp: 219560

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 13.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 55.412 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.019 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

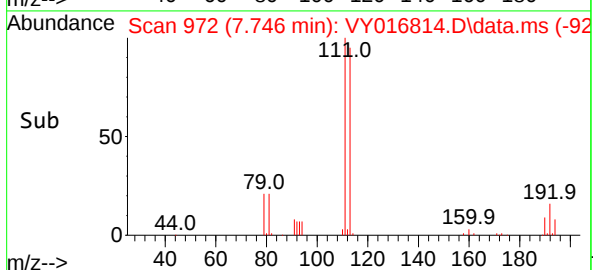
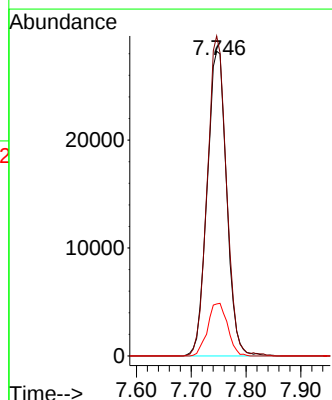
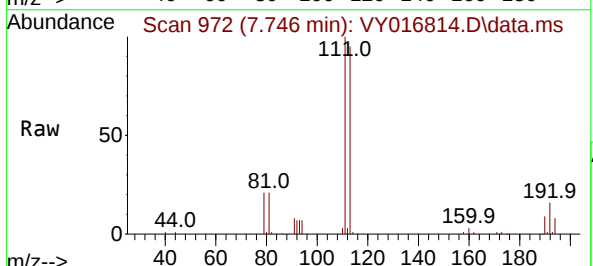
Tgt Ion:113 Resp: 69691

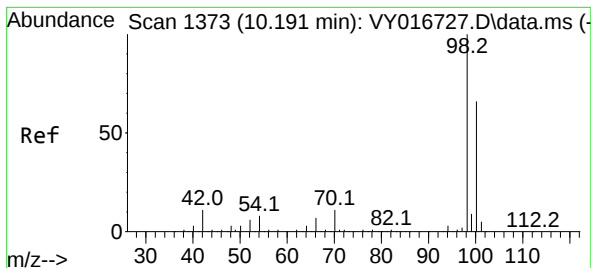
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 17.6 14.5 21.7





#50

Toluene-d8

Concen: 56.583 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :

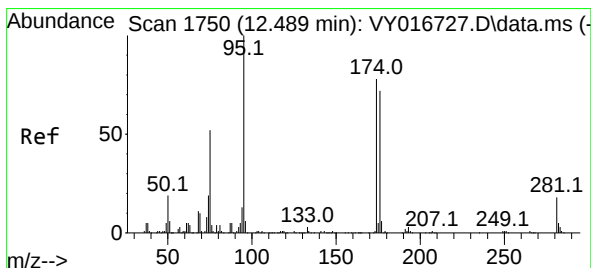
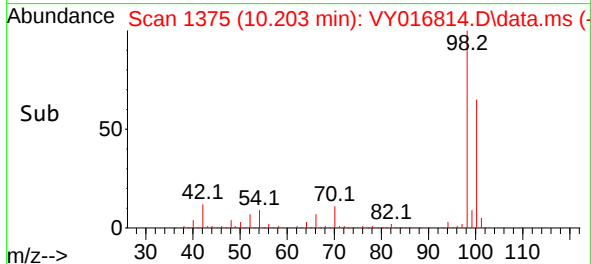
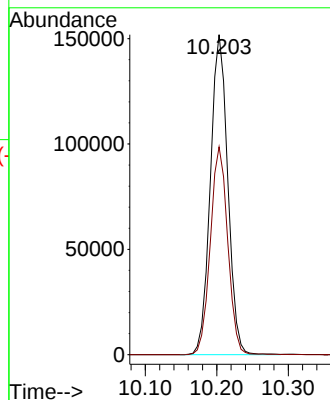
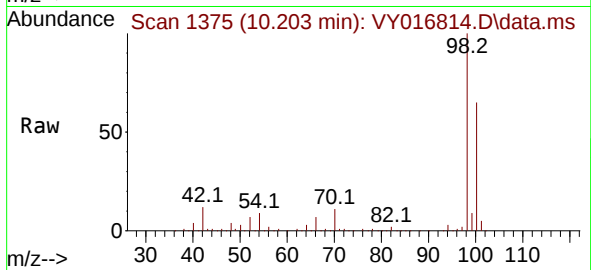
COM55

Tgt Ion: 98 Resp: 256541

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 62.833 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

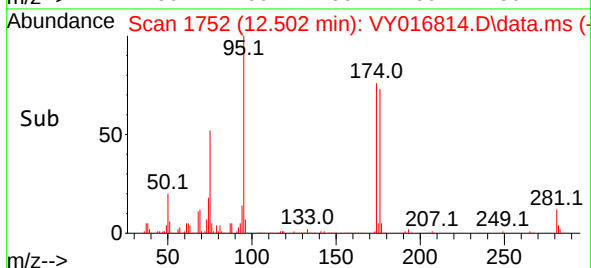
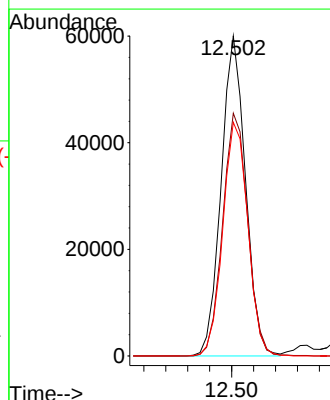
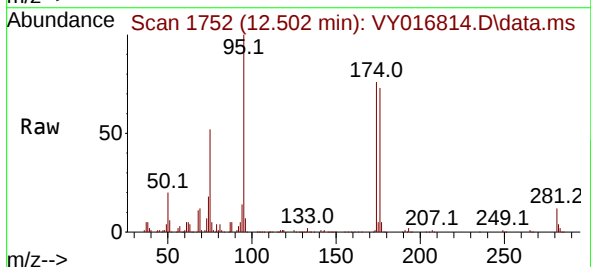
Tgt Ion: 95 Resp: 92422

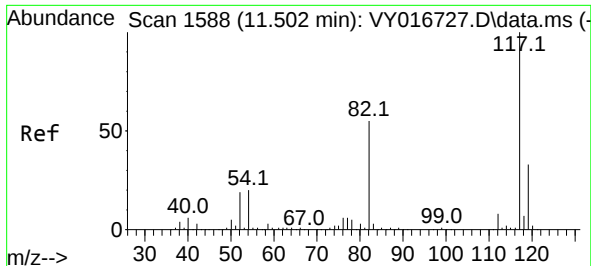
Ion Ratio Lower Upper

95 100

174 78.1 0.0 160.0

176 75.3 0.0 151.8

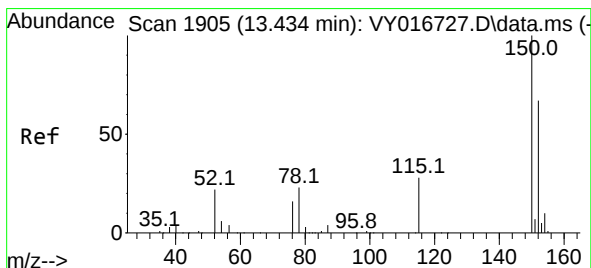
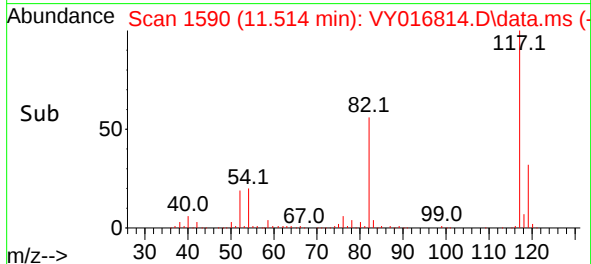
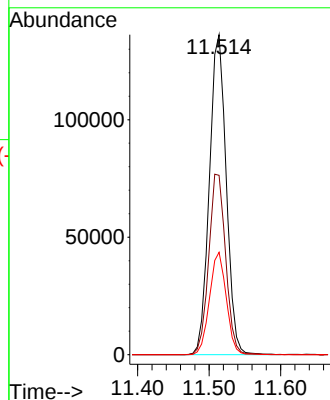
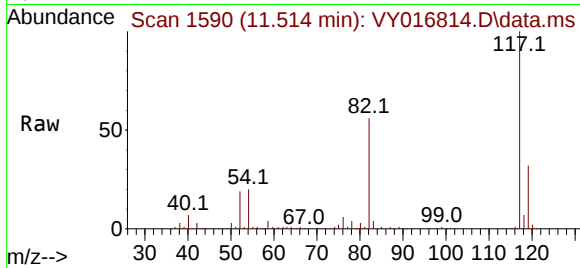




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

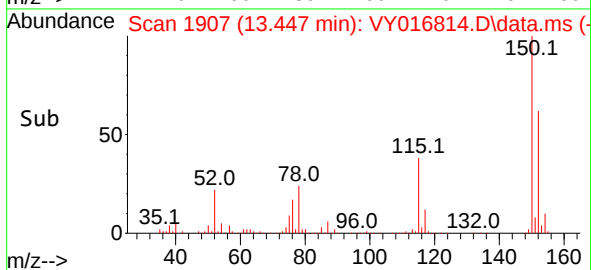
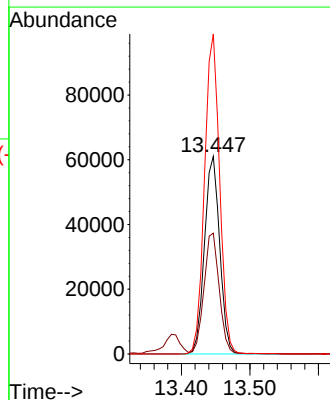
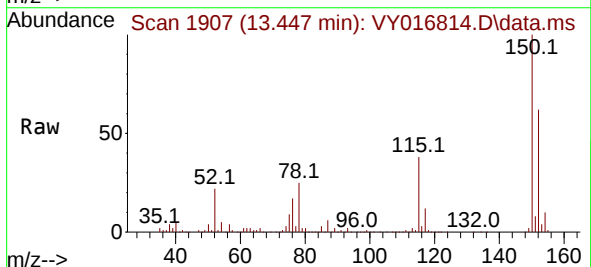
Instrument :
MSVOA_Y
ClientSampleId :
COM55

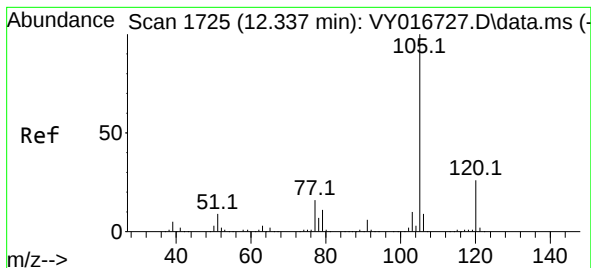
Tgt Ion:117 Resp: 222816
Ion Ratio Lower Upper
117 100
82 56.1 43.8 65.8
119 32.0 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Tgt Ion:152 Resp: 94378
Ion Ratio Lower Upper
152 100
115 60.9 30.0 90.0
150 160.3 0.0 344.6





#73

Isopropylbenzene

Concen: 4.605 ug/l

RT: 12.355 min Scan# 1

Delta R.T. 0.019 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :

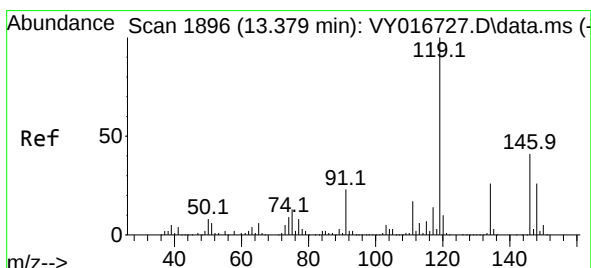
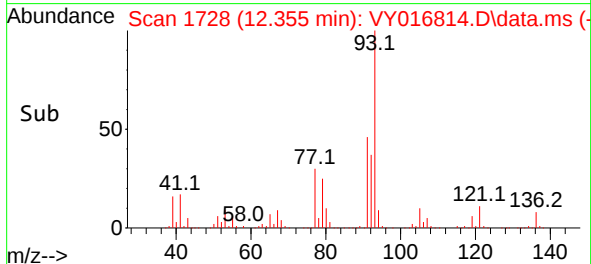
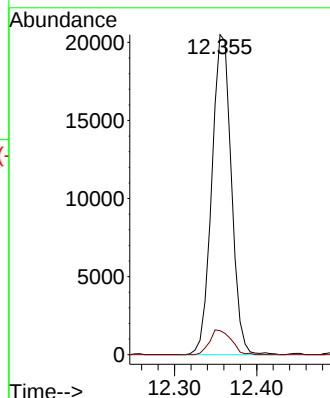
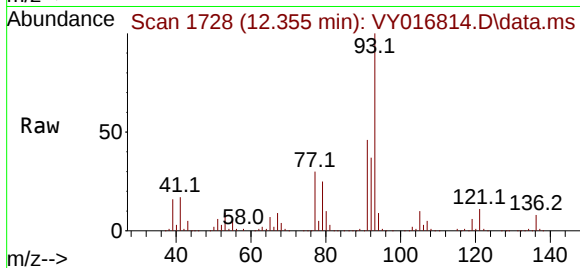
COM55

Tgt Ion:105 Resp: 33846

Ion Ratio Lower Upper

105 100

120 8.5 13.0 39.0#



#86

p-Isopropyltoluene

Concen: 19.400 ug/l

RT: 13.386 min Scan# 1897

Delta R.T. 0.006 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

Tgt Ion:119 Resp: 121111

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.1

91 23.4 11.7 35.0

