

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091223\
 Data File : VY015515.D
 Acq On : 12 Sep 2023 18:10
 Operator : SY/MD
 Sample : 04351-09
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CPT102-01-()

Quant Time: Sep 13 05:55:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

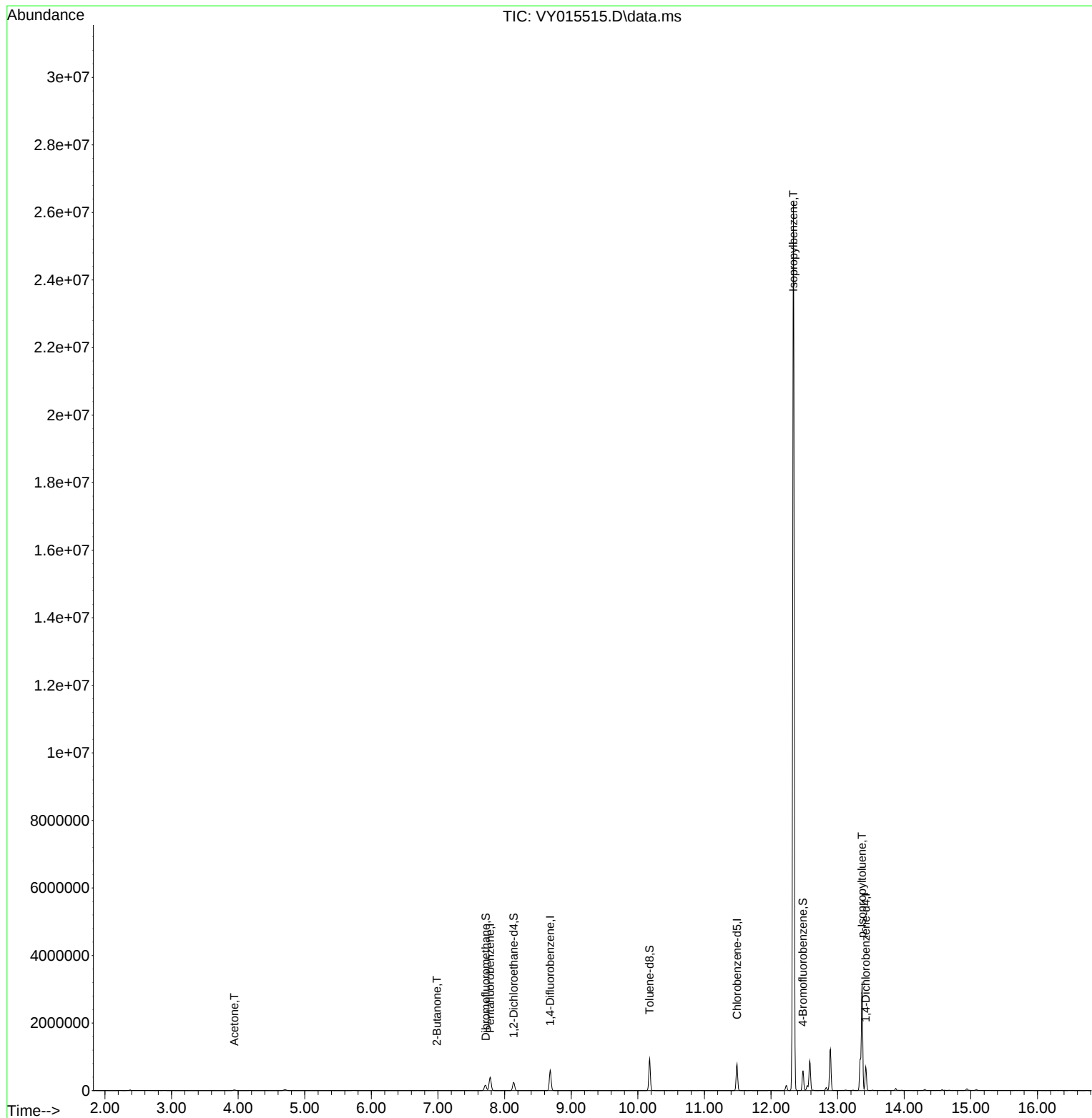
Internal Standards						
1) Pentafluorobenzene	7.783	168	307972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	511824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	426149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	191492	58.003	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.000%
35) Dibromofluoromethane	7.716	113	110687	37.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.100%
50) Toluene-d8	10.179	98	591644	55.419	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.840%
62) 4-Bromofluorobenzene	12.477	95	182853	46.137	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.280%
Target Compounds						
						Qvalue
16) Acetone	3.942	43	38676	28.067	ug/l	93
25) 2-Butanone	6.984	43	7505	3.840	ug/l	93
73) Isopropylbenzene	12.337	105	1074794	84.154	ug/l #	57
86) p-Isopropyltoluene	13.367	119	1716324	146.736	ug/l	98

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

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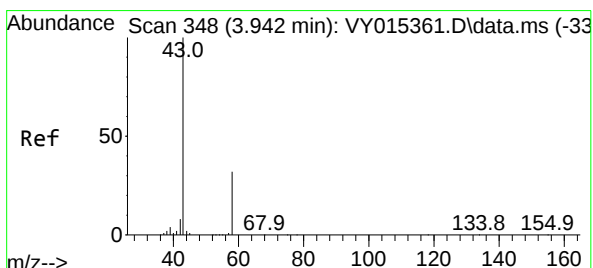
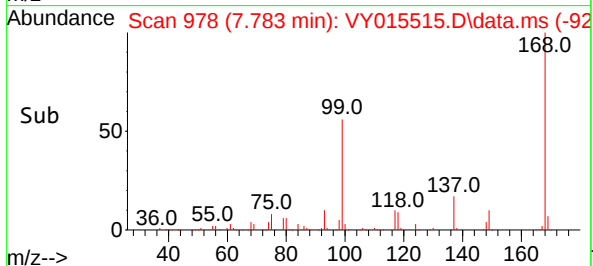
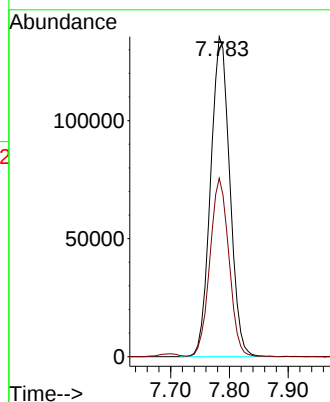
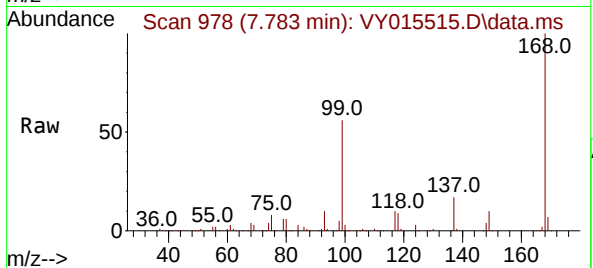




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015515.D
Acq: 12 Sep 2023 18:10

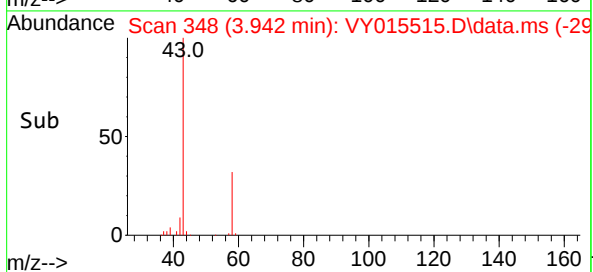
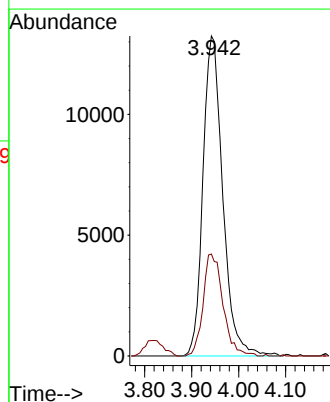
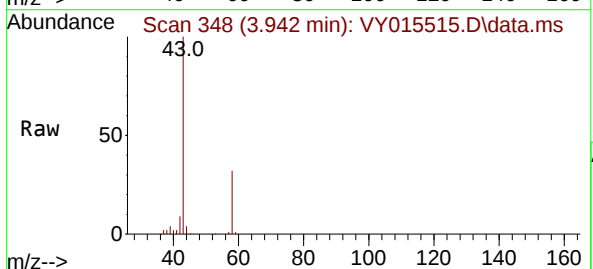
Instrument :
MSVOA_Y
ClientSampleId :
CPT102-01-()

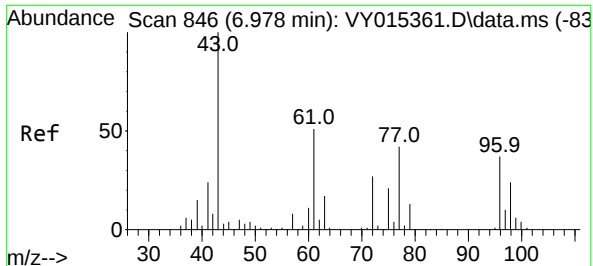
Tgt Ion:168 Resp: 307972
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#16
Acetone
Concen: 28.067 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY015515.D
Acq: 12 Sep 2023 18:10

Tgt Ion: 43 Resp: 38676
Ion Ratio Lower Upper
43 100
58 31.8 22.7 34.1





#25

2-Butanone

Concen: 3.840 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015515.D

Acq: 12 Sep 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

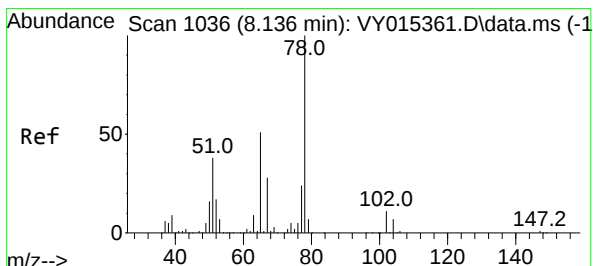
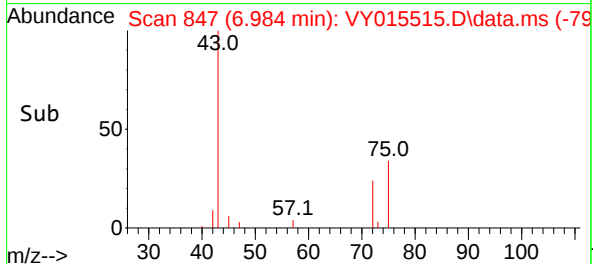
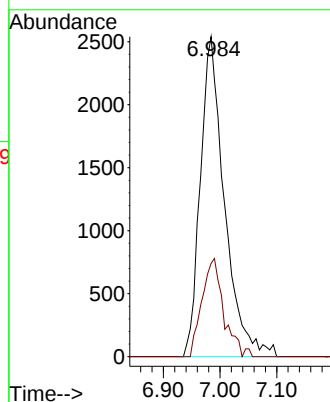
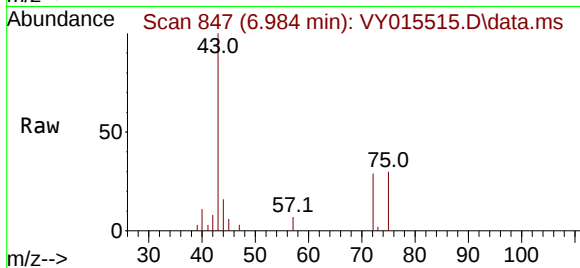
CPT102-01-()

Tgt Ion: 43 Resp: 7505

Ion Ratio Lower Upper

43 100

72 29.2 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 58.003 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015515.D

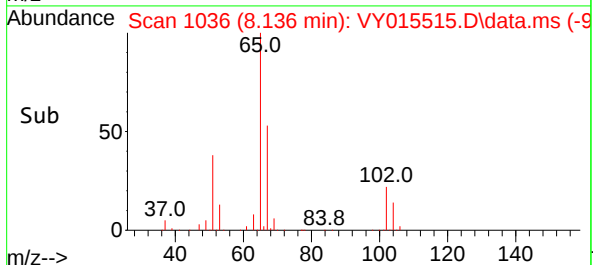
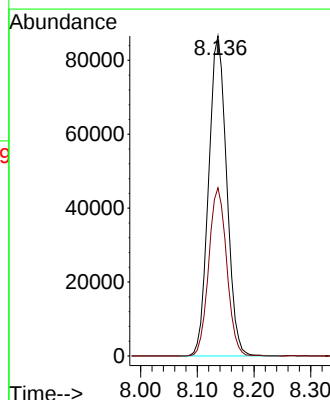
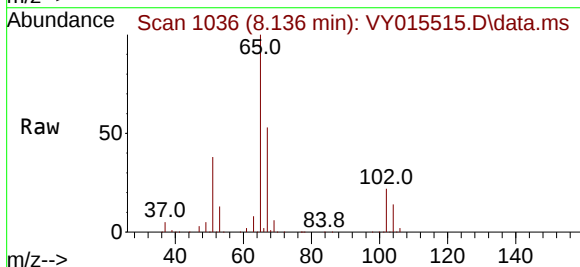
Acq: 12 Sep 2023 18:10

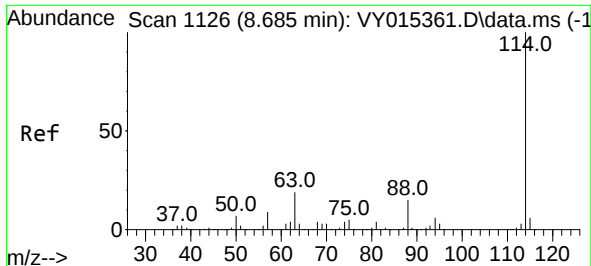
Tgt Ion: 65 Resp: 191492

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015515.D

Acq: 12 Sep 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

CPT102-01-()

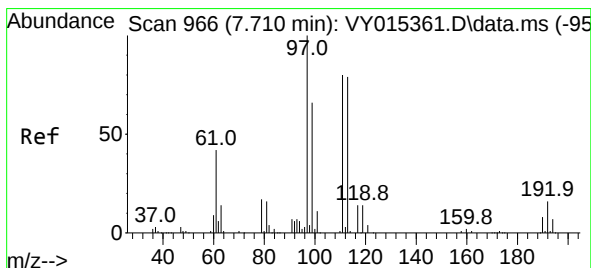
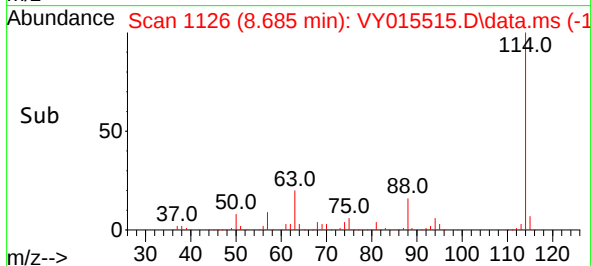
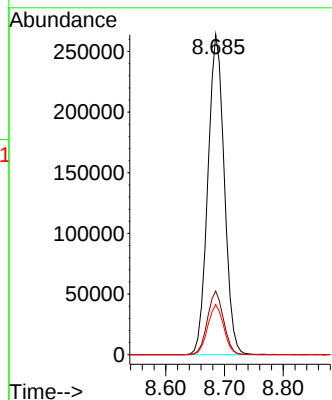
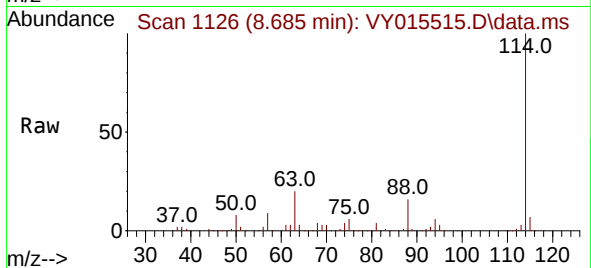
Tgt Ion:114 Resp: 511824

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 37.546 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015515.D

Acq: 12 Sep 2023 18:10

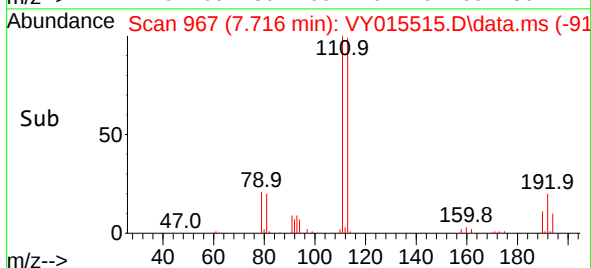
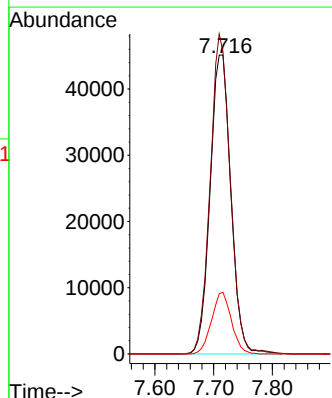
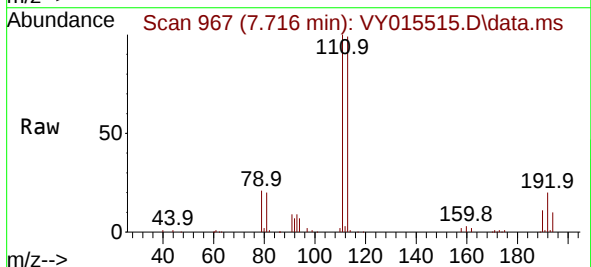
Tgt Ion:113 Resp: 110687

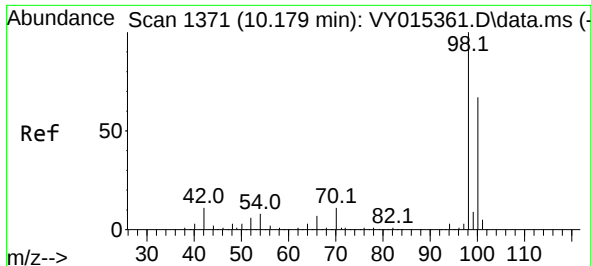
Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

192 19.7 16.9 25.3

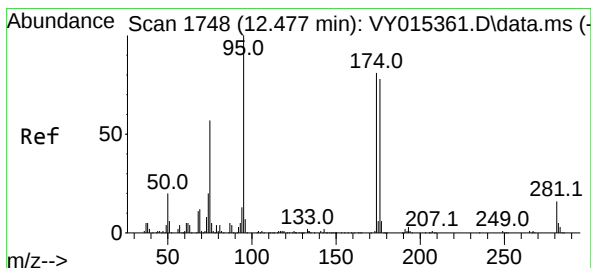
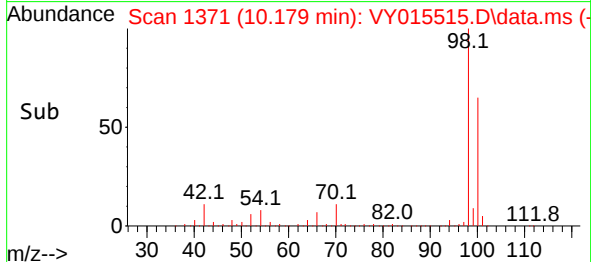
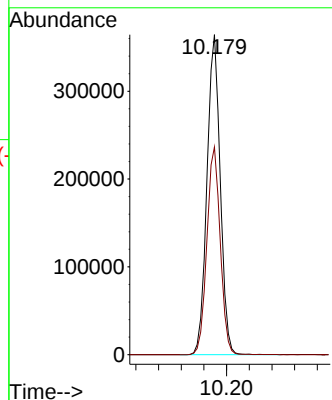
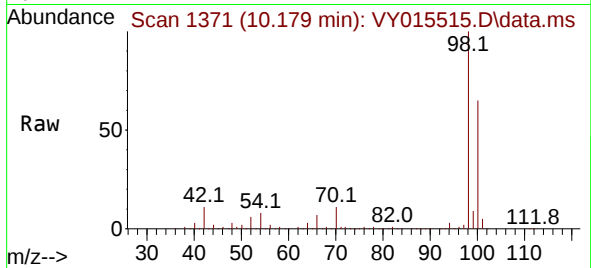




#50
Toluene-d8
Concen: 55.419 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015515.D
Acq: 12 Sep 2023 18:10

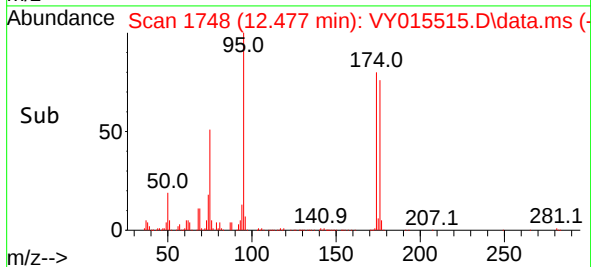
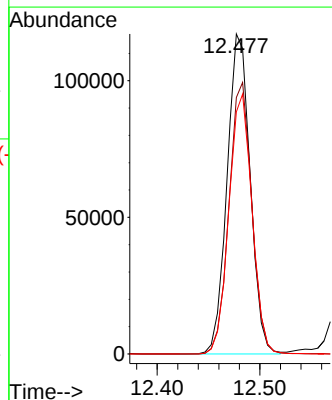
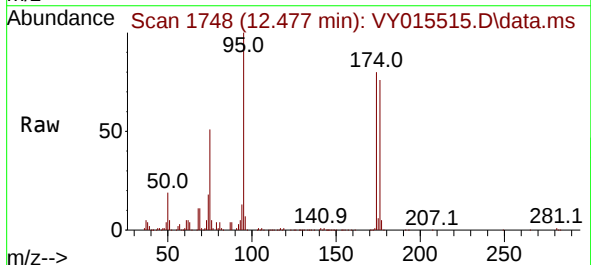
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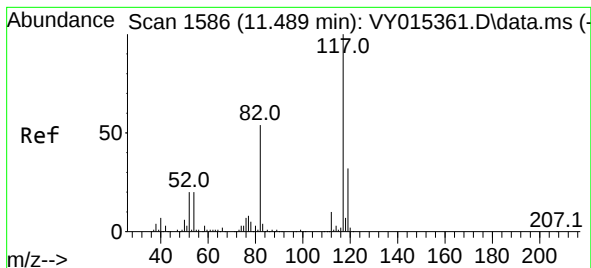
Tgt Ion: 98 Resp: 591644
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 46.137 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015515.D
Acq: 12 Sep 2023 18:10

Tgt Ion: 95 Resp: 182853
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 81.4 0.0 173.8

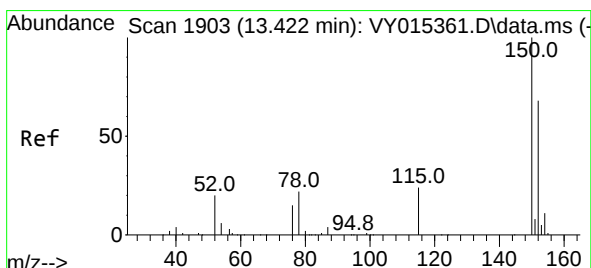
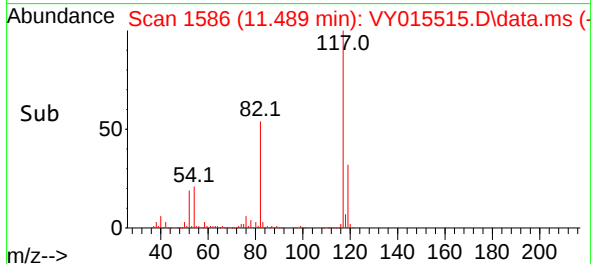
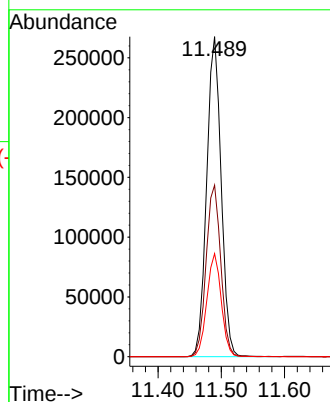
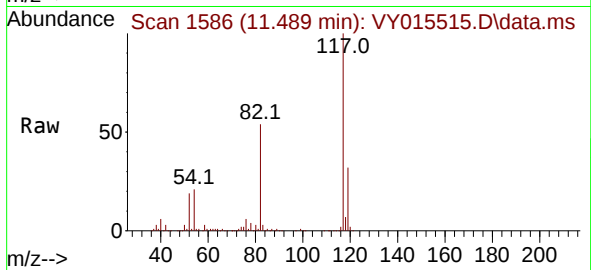




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015515.D
Acq: 12 Sep 2023 18:10

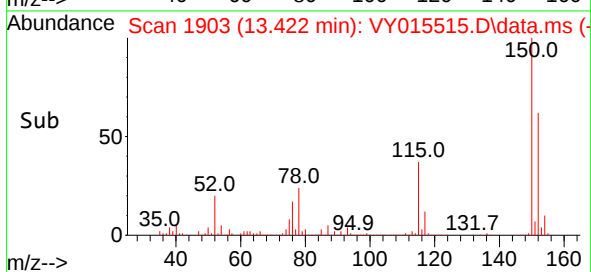
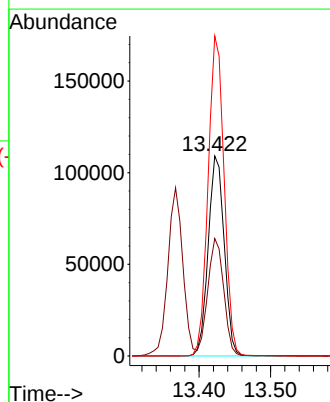
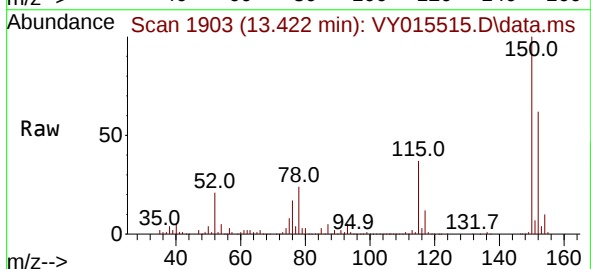
Instrument :
MSVOA_Y
ClientSampleId :
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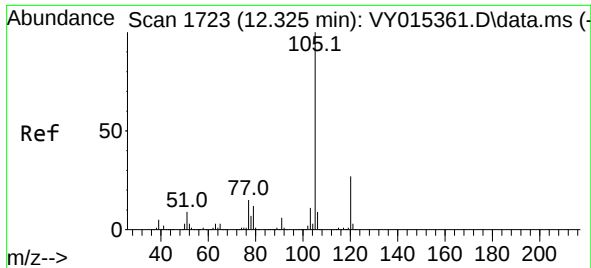
Tgt Ion:117 Resp: 426149
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015515.D
Acq: 12 Sep 2023 18:10

Tgt Ion:152 Resp: 170033
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 159.3 0.0 348.8

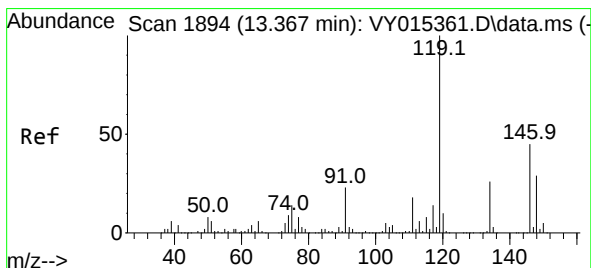
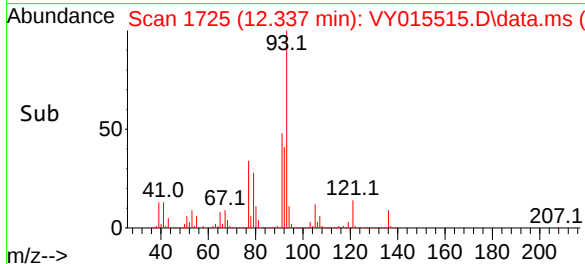
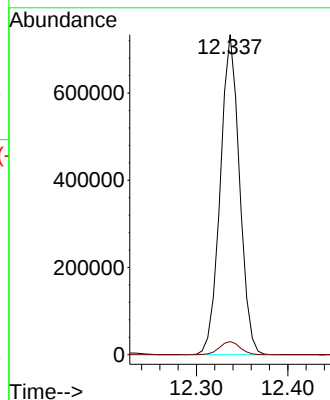
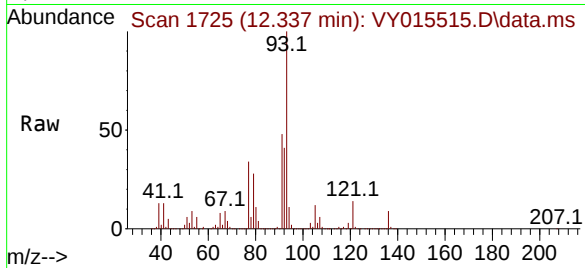




#73
Isopropylbenzene
Concen: 84.154 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.012 min
Lab File: VY015515.D
Acq: 12 Sep 2023 18:10

Instrument :
MSVOA_Y
ClientSampleId :
CPT102-01-()

Tgt Ion:105 Resp: 1074794
Ion Ratio Lower Upper
105 100
120 4.3 13.3 39.9#



#86
p-Isopropyltoluene
Concen: 146.736 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY015515.D
Acq: 12 Sep 2023 18:10

Tgt Ion:119 Resp: 1716324
Ion Ratio Lower Upper
119 100
134 26.6 13.3 39.8
91 26.4 12.4 37.4

