

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013024\
 Data File : VY017145.D
 Acq On : 30 Jan 2024 15:49
 Operator : SY/MD
 Sample : P1276-01
 Misc : 3.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-36

Quant Time: Jan 31 00:28:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:44:10 2024
 Response via : Initial Calibration

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

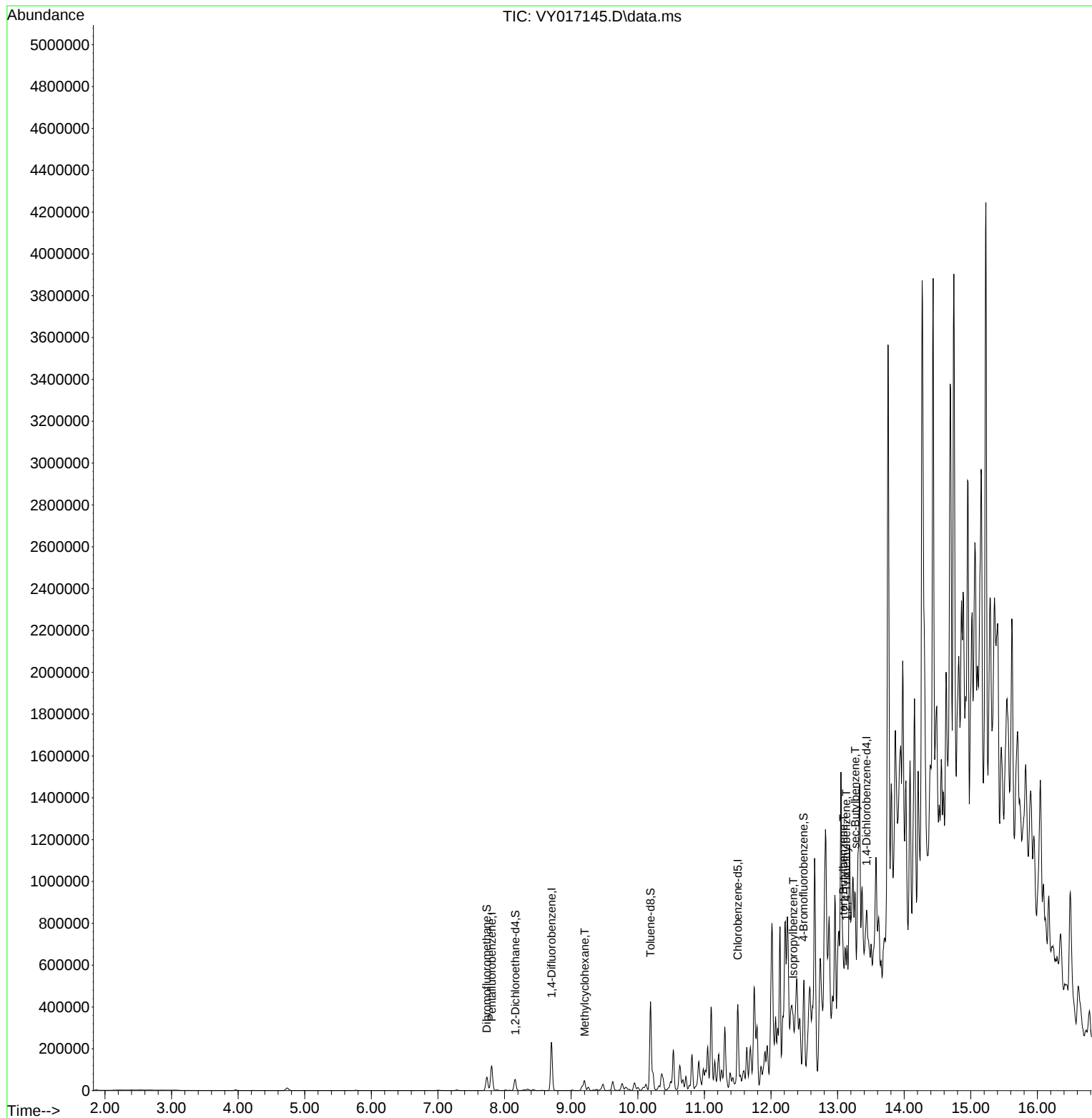
Internal Standards						
1) Pentafluorobenzene	7.807	168	88932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	193069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	198280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	105240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	41343	47.714	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.420%
35) Dibromofluoromethane	7.734	113	45725	39.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.480%
50) Toluene-d8	10.191	98	188656	42.865	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.720%
62) 4-Bromofluorobenzene	12.489	95	92796	68.443	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	136.880%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.203	83	17236	7.475	ug/l	93
73) Isopropylbenzene	12.337	105	16419	1.898	ug/l	98
83) tert-Butylbenzene	13.087	119	16012	2.704	ug/l	75
84) 1,2,4-Trimethylbenzene	13.130	105	8658	1.272	ug/l	96
85) sec-Butylbenzene	13.264	105	70216	8.007	ug/l #	59

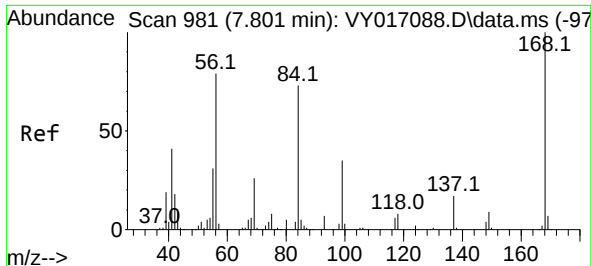
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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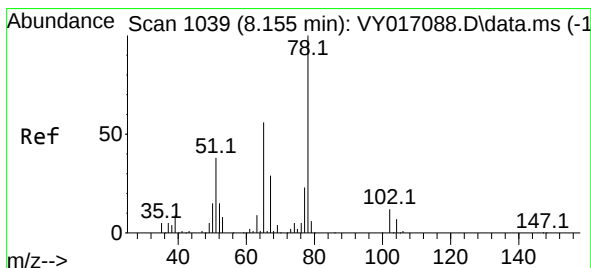
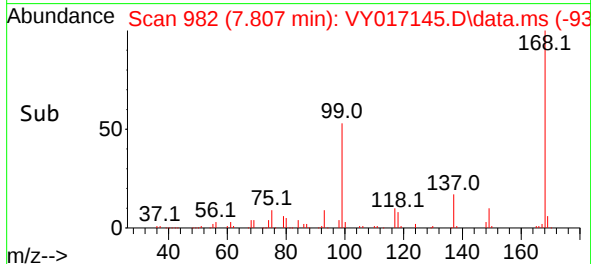
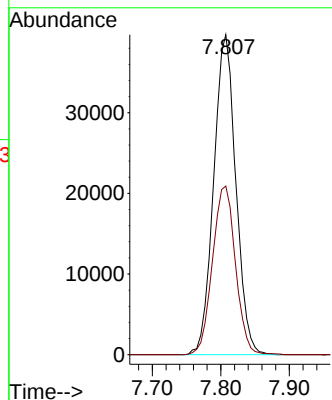
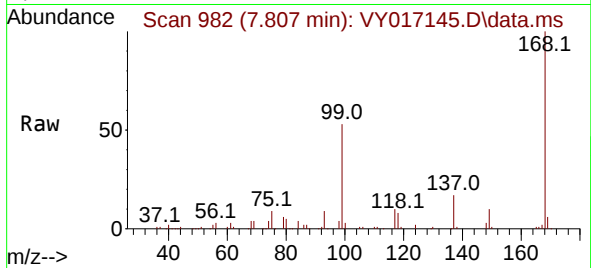




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017145.D
Acq: 30 Jan 2024 15:49

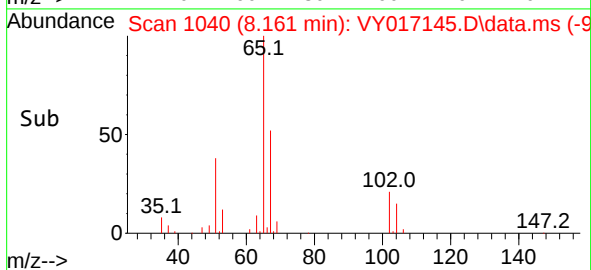
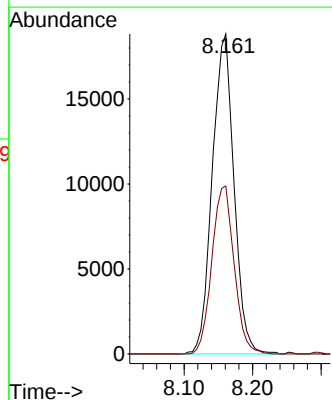
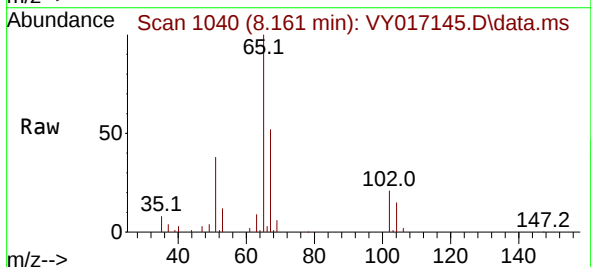
Instrument :
MSVOA_Y
ClientSampleId :
TP-36

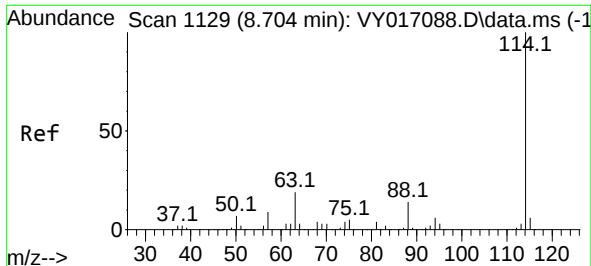
Tgt Ion:168 Resp: 88932
Ion Ratio Lower Upper
168 100
99 52.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 47.714 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY017145.D
Acq: 30 Jan 2024 15:49

Tgt Ion: 65 Resp: 41343
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.001 min

Lab File: VY017145.D

Acq: 30 Jan 2024 15:49

Instrument :

MSVOA_Y

ClientSampleId :

TP-36

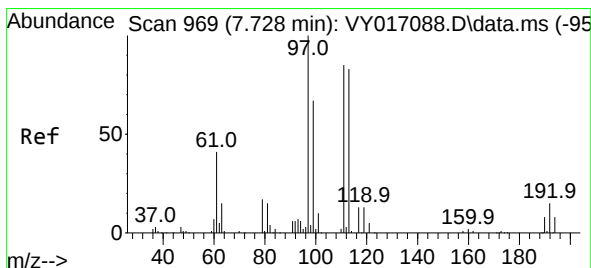
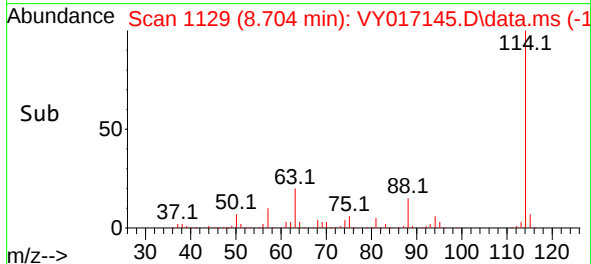
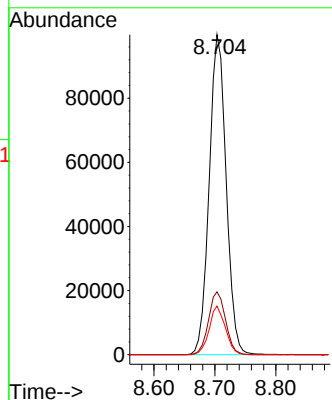
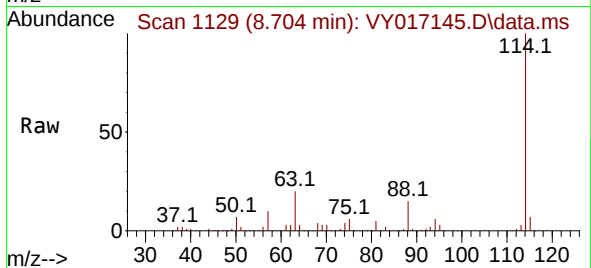
Tgt Ion:114 Resp: 193069

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 39.240 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017145.D

Acq: 30 Jan 2024 15:49

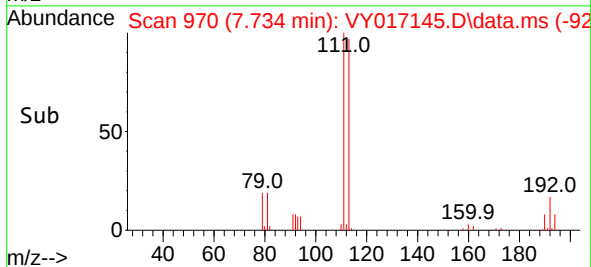
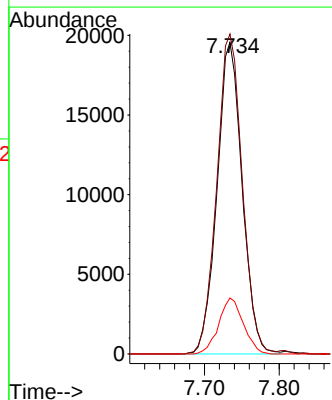
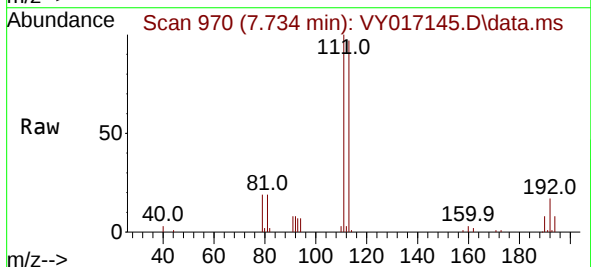
Tgt Ion:113 Resp: 45725

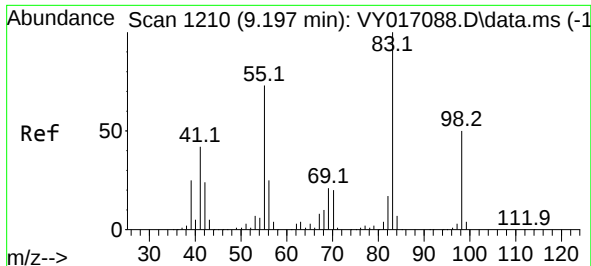
Ion Ratio Lower Upper

113 100

111 104.0 83.8 125.6

192 17.6 14.5 21.7





#39

Methylcyclohexane

Concen: 7.475 ug/l

RT: 9.203 min Scan# 1211

Delta R.T. 0.012 min

Lab File: VY017145.D

Acq: 30 Jan 2024 15:49

Instrument :

MSVOA_Y

ClientSampleId :

TP-36

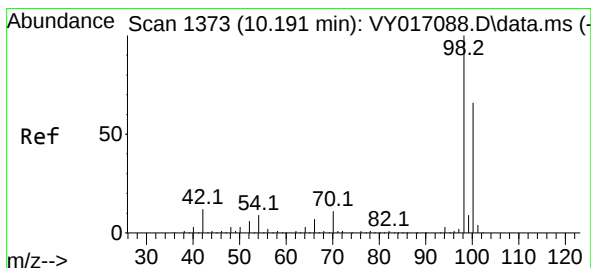
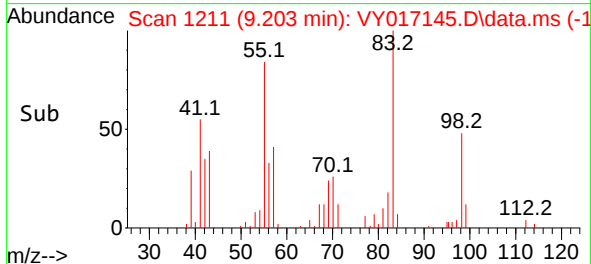
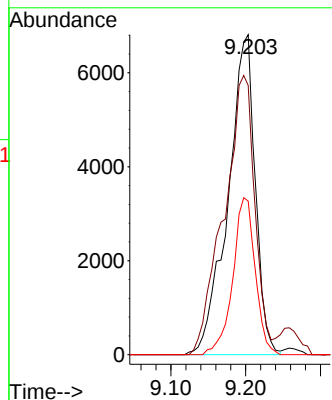
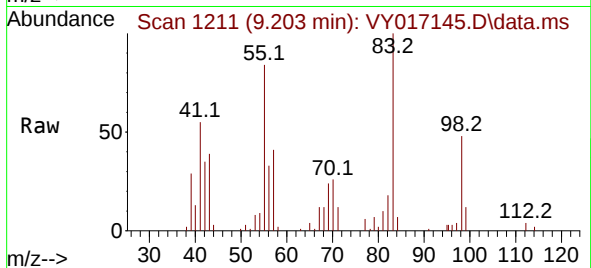
Tgt Ion: 83 Resp: 17236

Ion Ratio Lower Upper

83 100

55 84.2 59.7 89.5

98 48.0 38.0 57.0



#50

Toluene-d8

Concen: 42.865 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.000 min

Lab File: VY017145.D

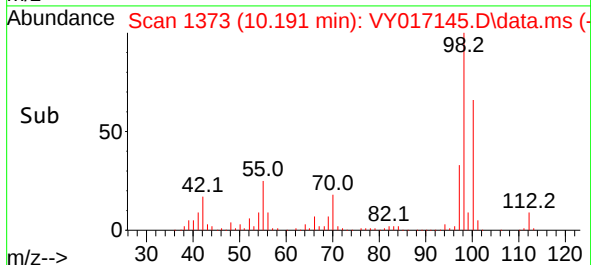
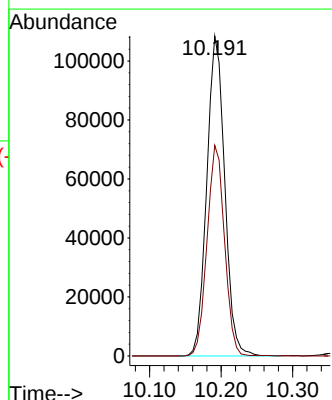
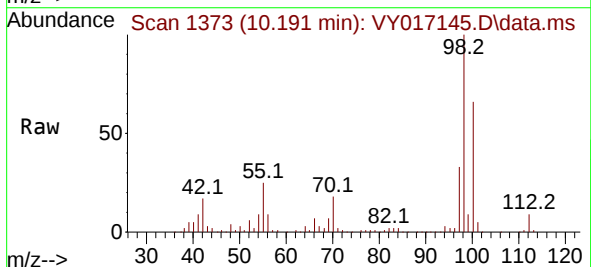
Acq: 30 Jan 2024 15:49

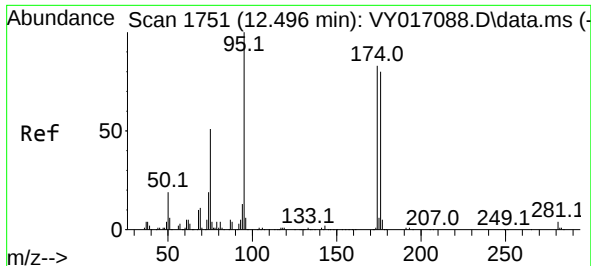
Tgt Ion: 98 Resp: 188656

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5

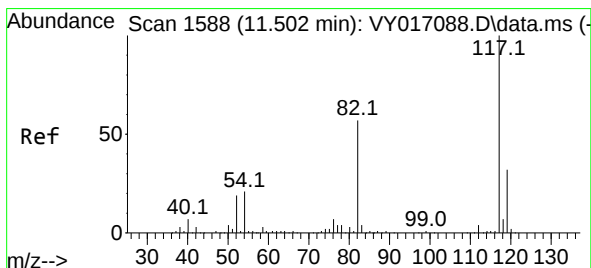
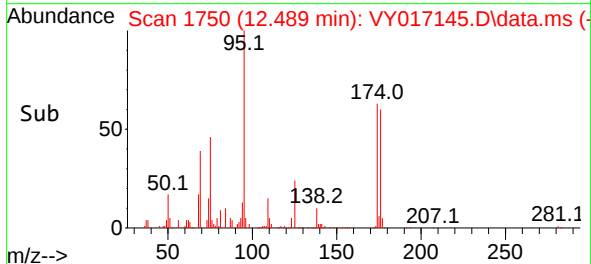
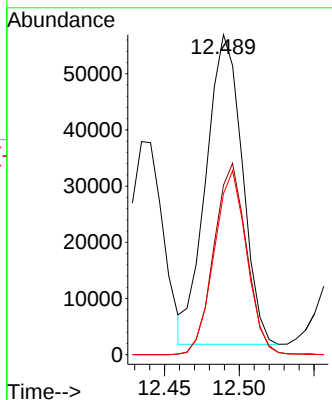
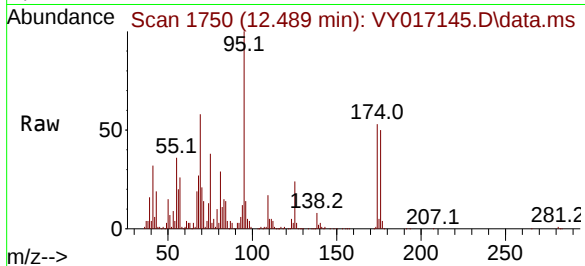




#62
4-Bromofluorobenzene
Concen: 68.443 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017145.D
Acq: 30 Jan 2024 15:49

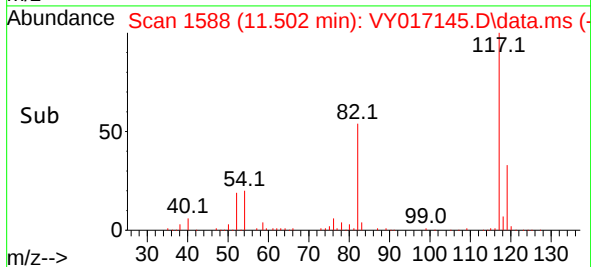
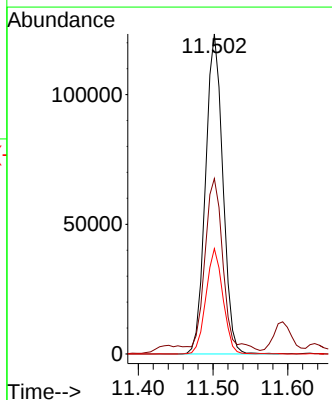
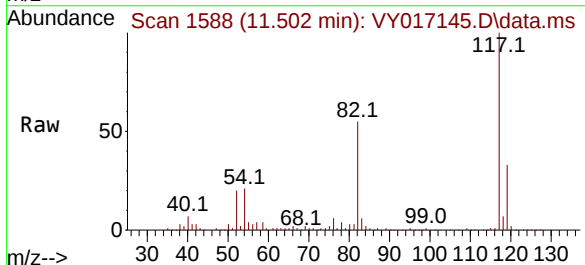
Instrument :
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ClientSampleId :
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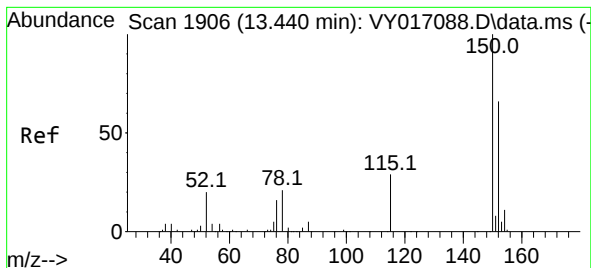
Tgt Ion: 95 Resp: 92796
Ion Ratio Lower Upper
95 100
174 55.9 0.0 160.0
176 53.7 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY017145.D
Acq: 30 Jan 2024 15:49

Tgt Ion: 117 Resp: 198280
Ion Ratio Lower Upper
117 100
82 52.3 43.8 65.8
119 32.9 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017145.D

Acq: 30 Jan 2024 15:49

Instrument :

MSVOA_Y

ClientSampleId :

TP-36

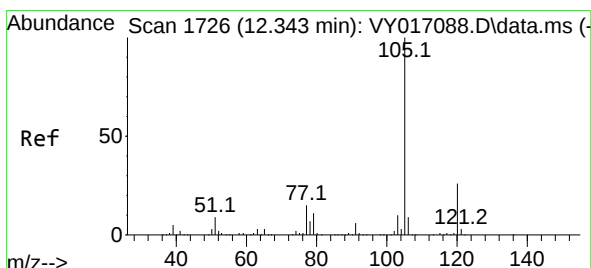
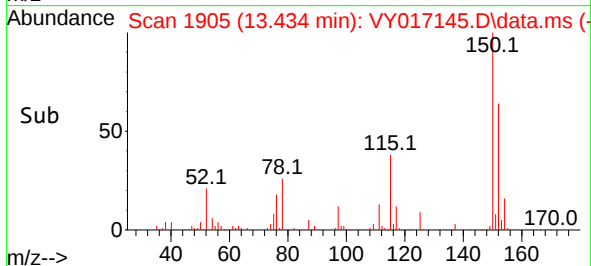
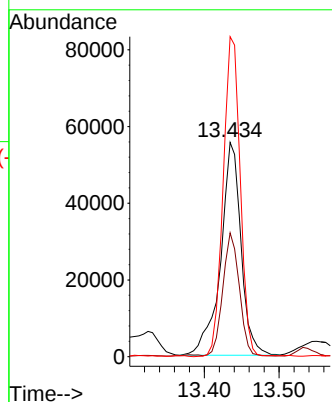
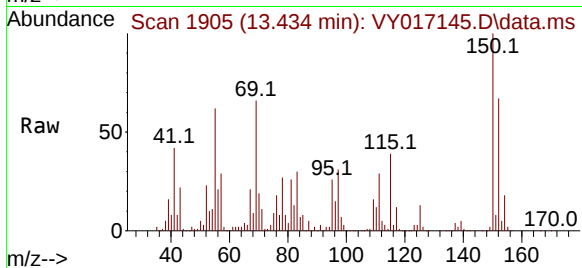
Tgt Ion:152 Resp: 105240

Ion Ratio Lower Upper

152 100

115 46.6 30.0 90.0

150 125.9 0.0 344.6



#73

Isopropylbenzene

Concen: 1.898 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. -0.000 min

Lab File: VY017145.D

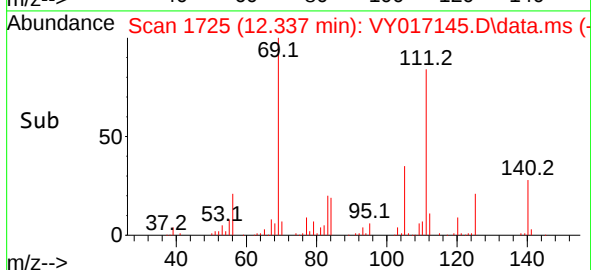
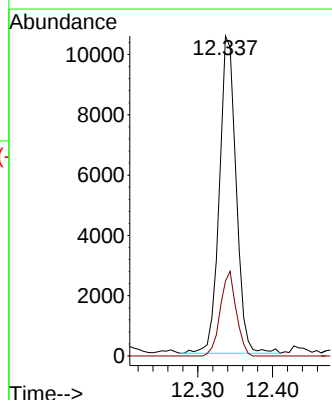
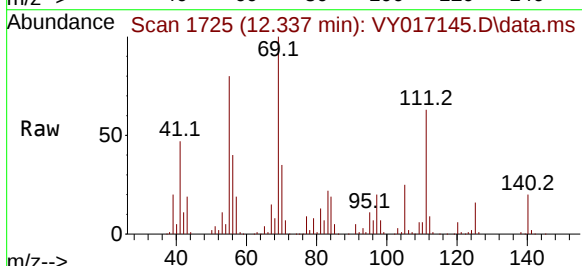
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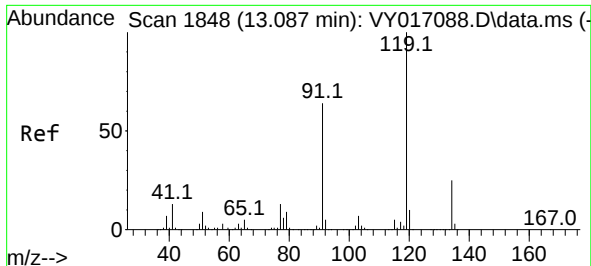
Tgt Ion:105 Resp: 16419

Ion Ratio Lower Upper

105 100

120 25.2 13.0 39.0

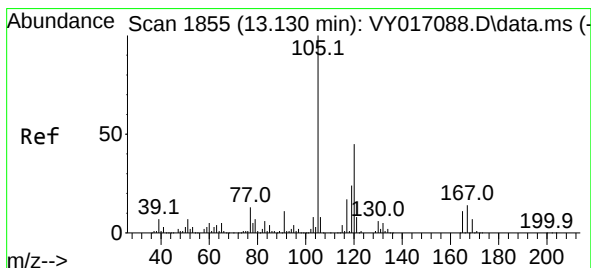
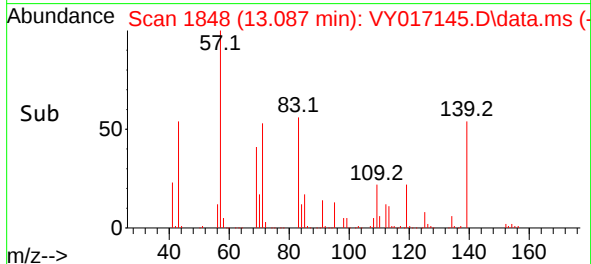
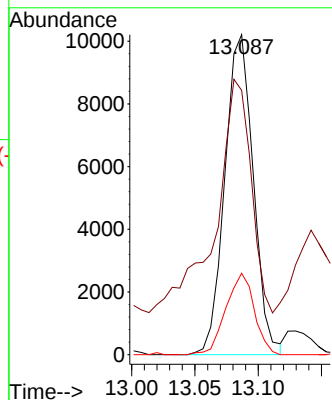
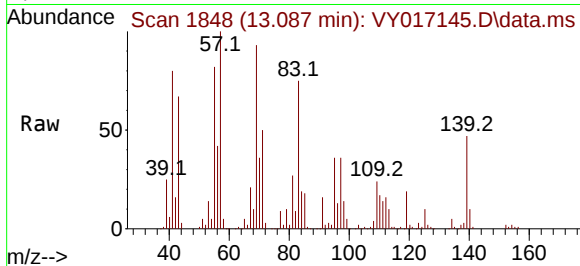




#83
tert-Butylbenzene
Concen: 2.704 ug/l
RT: 13.087 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VY017145.D
Acq: 30 Jan 2024 15:49

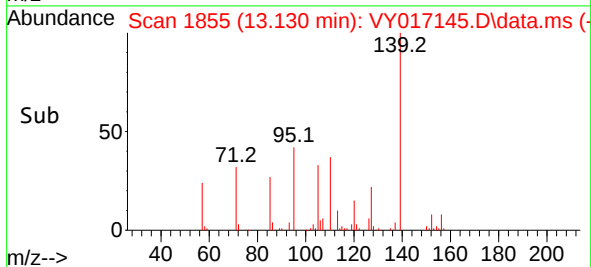
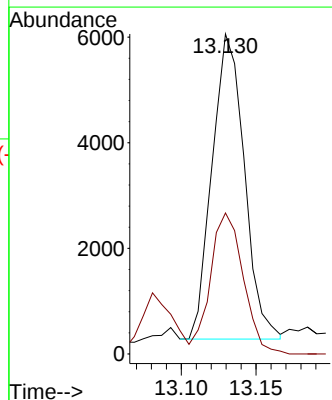
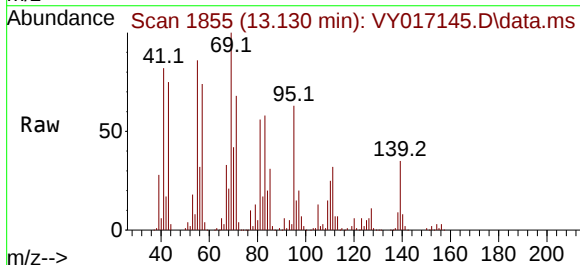
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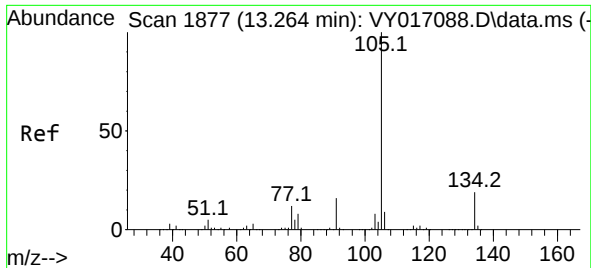
Tgt Ion:119 Resp: 16012
Ion Ratio Lower Upper
119 100
91 89.9 31.5 94.5
134 25.3 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 1.272 ug/l
RT: 13.130 min Scan# 1855
Delta R.T. 0.001 min
Lab File: VY017145.D
Acq: 30 Jan 2024 15:49

Tgt Ion:105 Resp: 8658
Ion Ratio Lower Upper
105 100
120 47.1 22.1 66.3





#85
 sec-Butylbenzene
 Concen: 8.007 ug/l
 RT: 13.264 min Scan# 11
 Delta R.T. 0.001 min
 Lab File: VY017145.D
 Acq: 30 Jan 2024 15:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-36

Tgt Ion:105 Resp: 70216
 Ion Ratio Lower Upper
 105 100
 134 37.8 9.7 28.9#

