

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019644.D
 Acq On : 20 Sep 2024 14:36
 Operator : SY/MD
 Sample : P4089-01RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 365-351-294RE

Quant Time: Sep 20 23:49:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

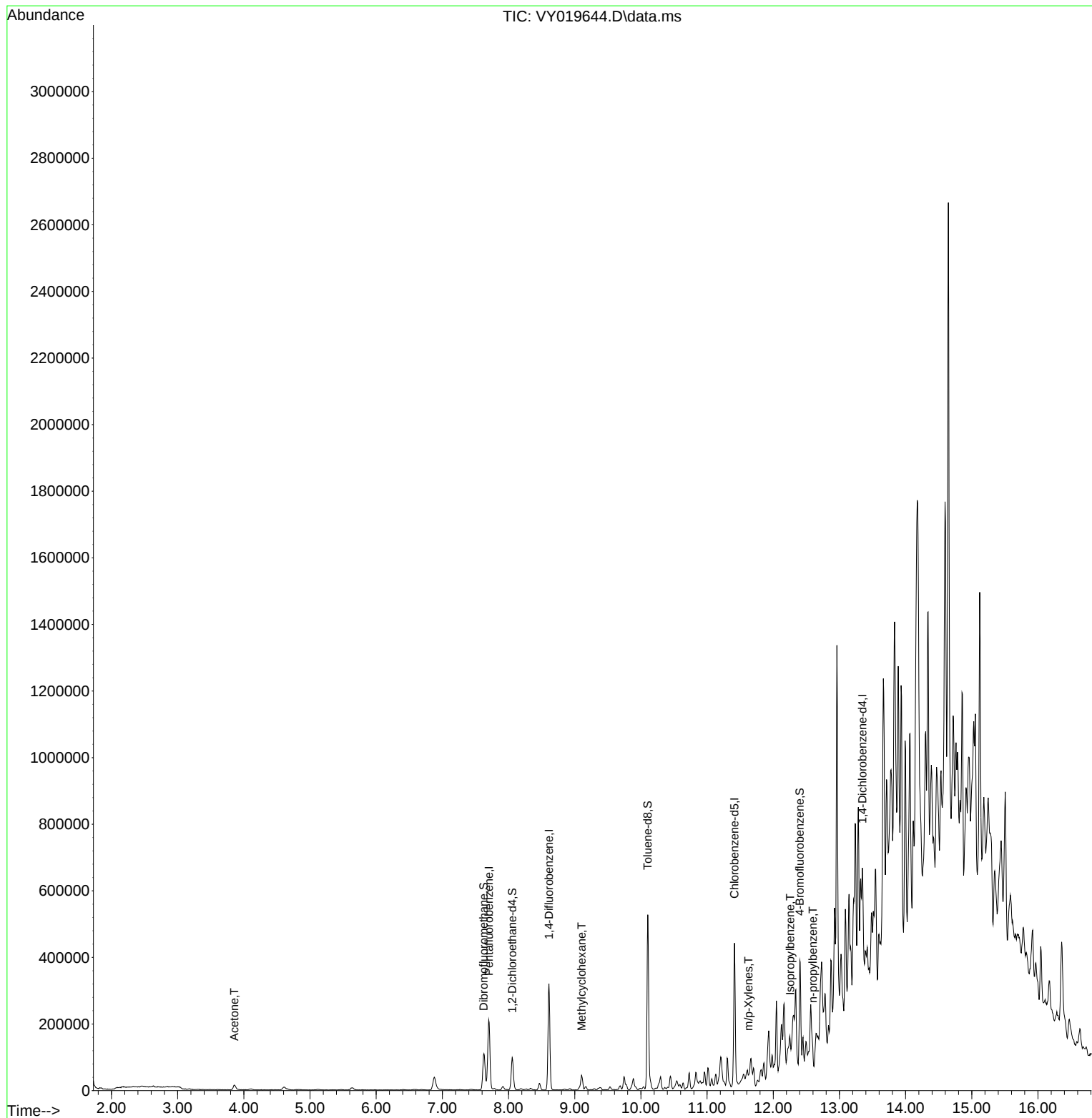
Internal Standards						
1) Pentafluorobenzene	7.701	168	153433	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	266600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	213039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	86549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	77734	54.713	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.420%	
35) Dibromofluoromethane	7.622	113	79023	52.279	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.560%	
50) Toluene-d8	10.103	98	306969	54.905	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.800%	
62) 4-Bromofluorobenzene	12.401	95	98197	45.678	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 91.360%	
Target Compounds						
					Qvalue	
16) Acetone	3.854	43	25416	75.090	ug/l	# 85
39) Methylcyclohexane	9.103	83	16406	5.994	ug/l	# 84
68) m/p-Xylenes	11.627	106	2970	1.055	ug/l	# 56
73) Isopropylbenzene	12.255	105	37489	5.971	ug/l	99
78) n-propylbenzene	12.596	91	47703	6.410	ug/l	97

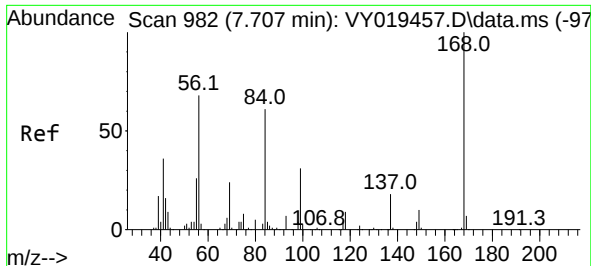
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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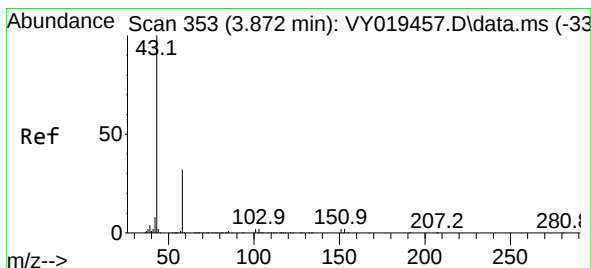
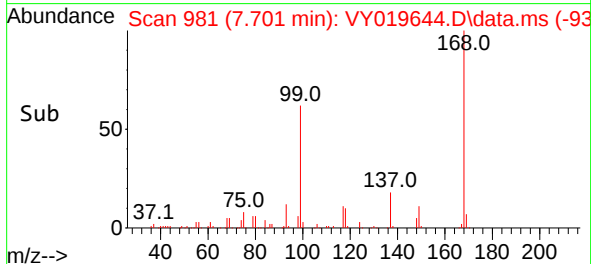
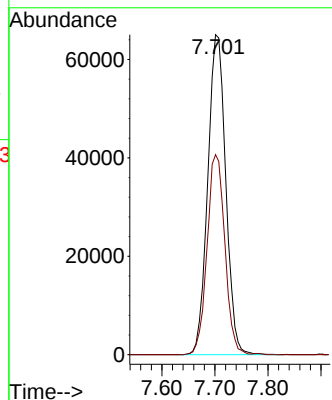
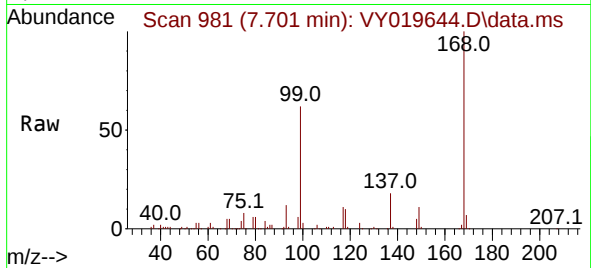




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019644.D
Acq: 20 Sep 2024 14:36

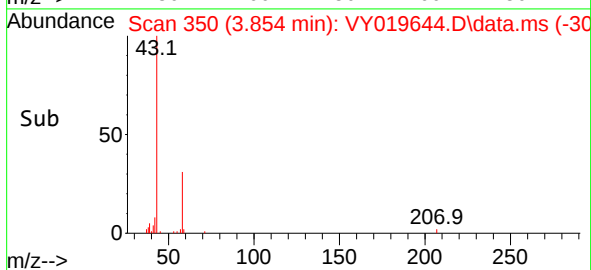
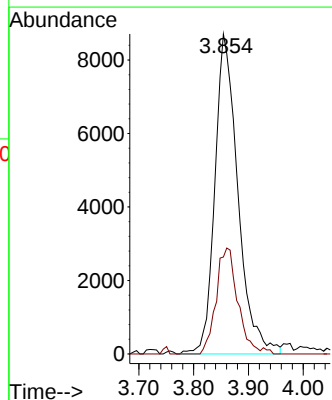
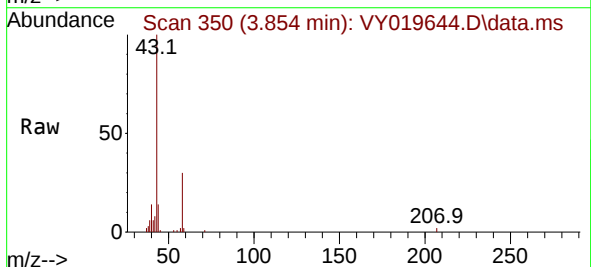
Instrument :
MSVOA_Y
ClientSampleId :
365-351-294RE

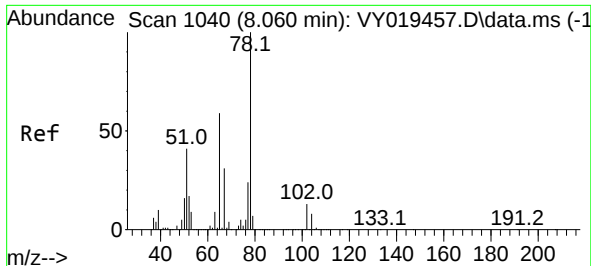
Tgt Ion:168 Resp: 153433
Ion Ratio Lower Upper
168 100
99 62.5 39.1 58.7#



#16
Acetone
Concen: 75.090 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.018 min
Lab File: VY019644.D
Acq: 20 Sep 2024 14:36

Tgt Ion: 43 Resp: 25416
Ion Ratio Lower Upper
43 100
58 30.3 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 54.713 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY019644.D

Acq: 20 Sep 2024 14:36

Instrument :

MSVOA_Y

ClientSampleId :

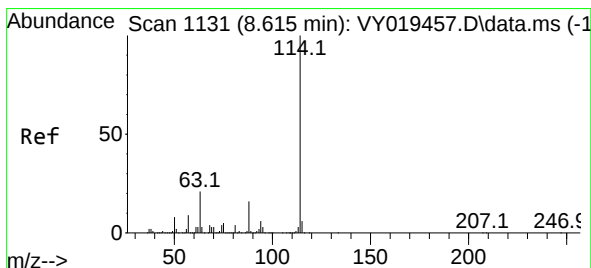
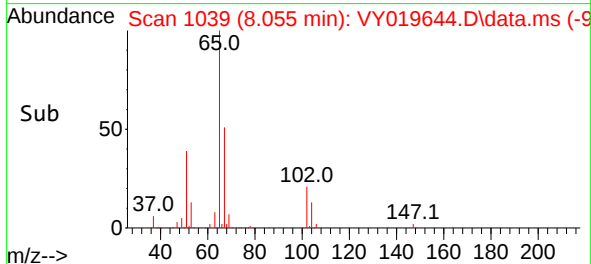
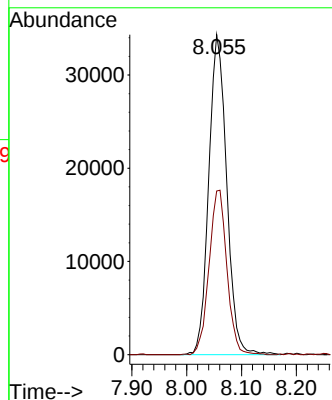
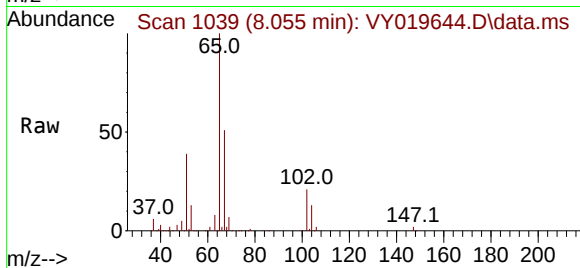
365-351-294RE

Tgt Ion: 65 Resp: 77734

Ion Ratio Lower Upper

65 100

67 51.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019644.D

Acq: 20 Sep 2024 14:36

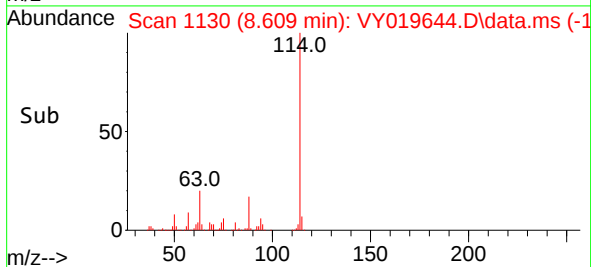
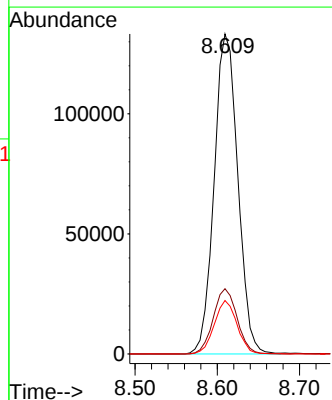
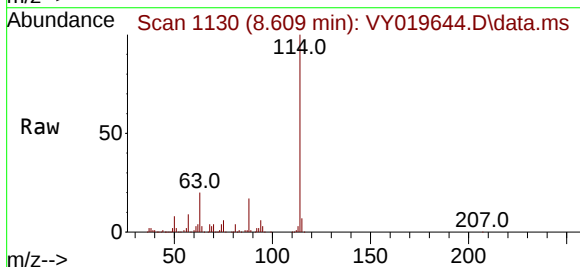
Tgt Ion: 114 Resp: 266600

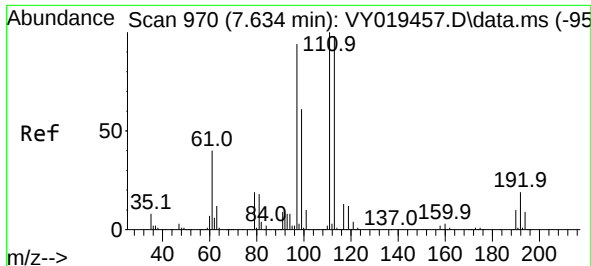
Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.0

88 16.7 0.0 27.2

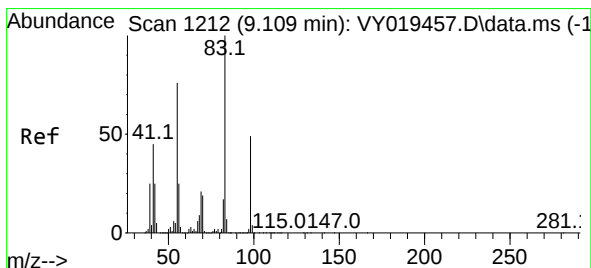
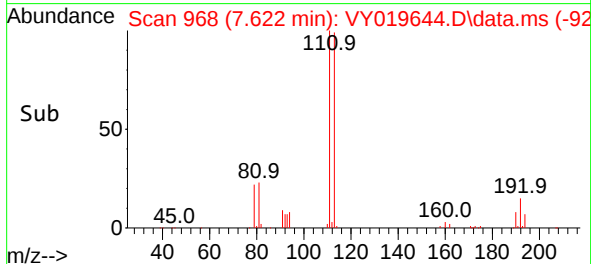
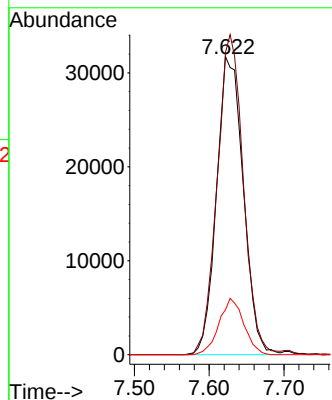
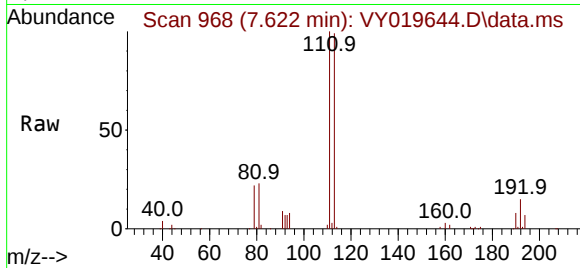




#35
Dibromofluoromethane
Concen: 52.279 ug/l
RT: 7.622 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY019644.D
Acq: 20 Sep 2024 14:36

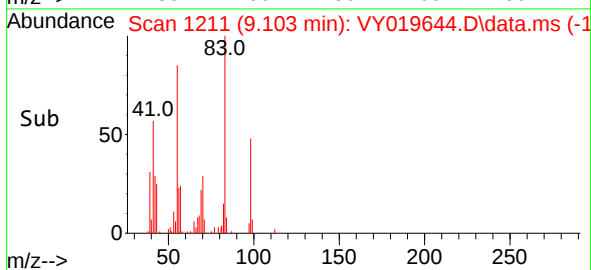
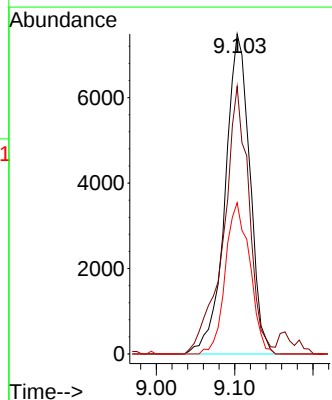
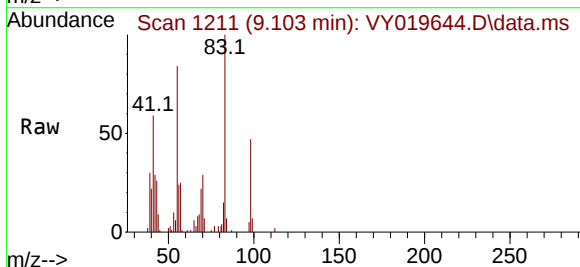
Instrument :
MSVOA_Y
ClientSampleId :
365-351-294RE

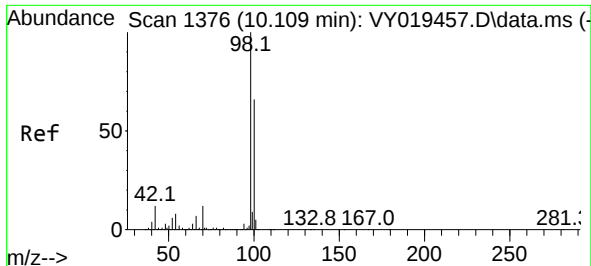
Tgt Ion:113 Resp: 79023
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.4
192 17.5 15.9 23.9



#39
Methylcyclohexane
Concen: 5.994 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY019644.D
Acq: 20 Sep 2024 14:36

Tgt Ion: 83 Resp: 16406
Ion Ratio Lower Upper
83 100
55 83.6 51.5 77.3#
98 47.2 40.5 60.7

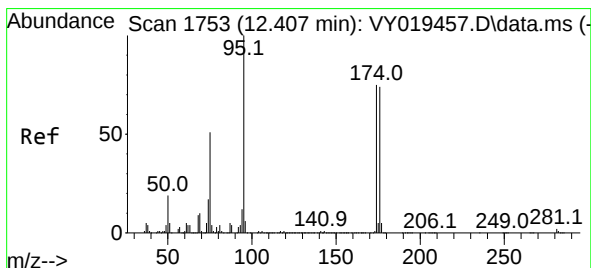
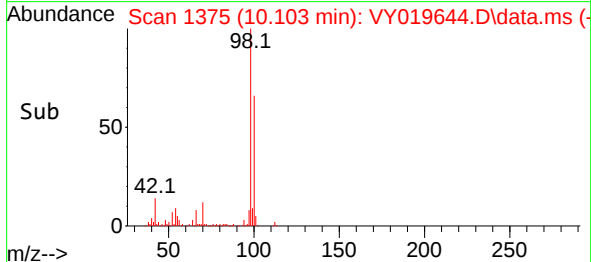
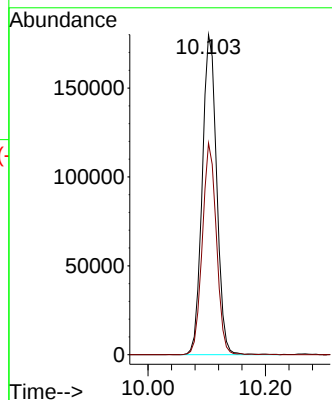
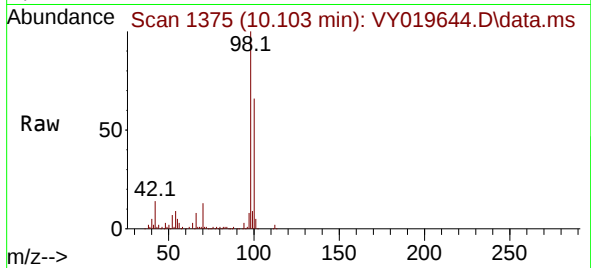




#50
Toluene-d8
Concen: 54.905 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY019644.D
Acq: 20 Sep 2024 14:36

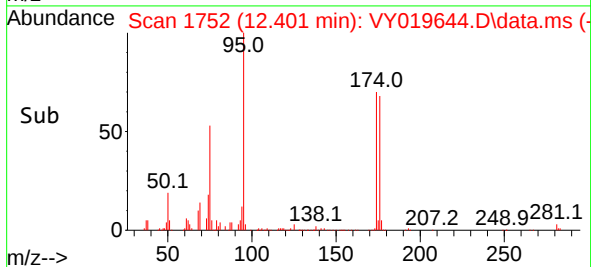
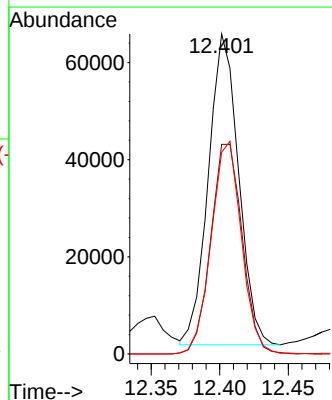
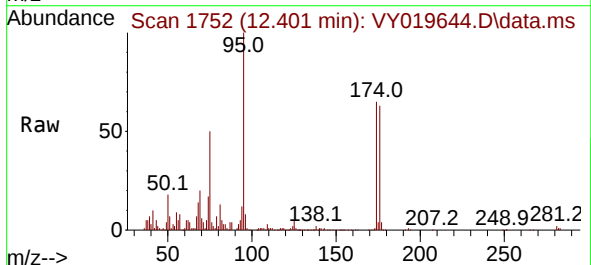
Instrument :
MSVOA_Y
ClientSampleId :
365-351-294RE

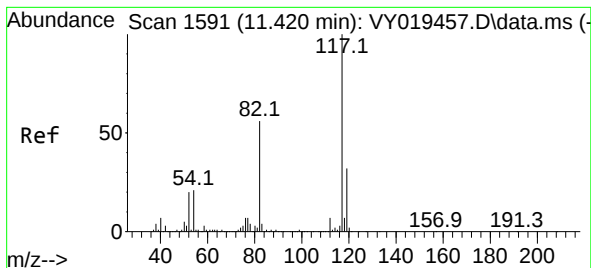
Tgt Ion: 98 Resp: 306969
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.678 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019644.D
Acq: 20 Sep 2024 14:36

Tgt Ion: 95 Resp: 98197
Ion Ratio Lower Upper
95 100
174 70.3 0.0 175.6
176 68.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY019644.D

Acq: 20 Sep 2024 14:36

Instrument :

MSVOA_Y

ClientSampleId :

365-351-294RE

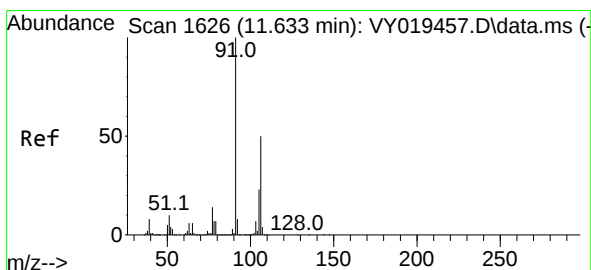
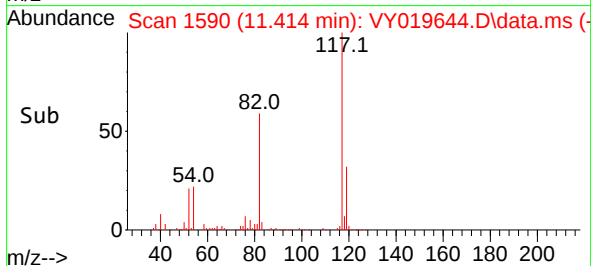
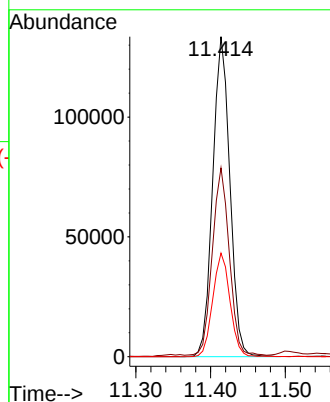
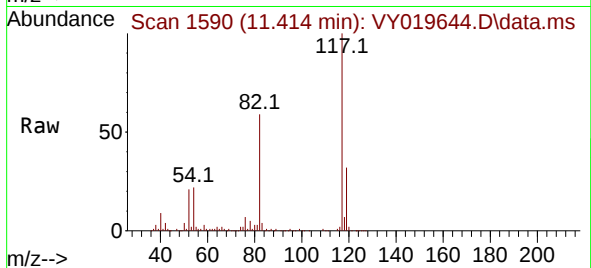
Tgt Ion:117 Resp: 213039

Ion Ratio Lower Upper

117 100

82 58.4 42.4 63.6

119 32.3 25.9 38.9



#68

m/p-Xylenes

Concen: 1.055 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY019644.D

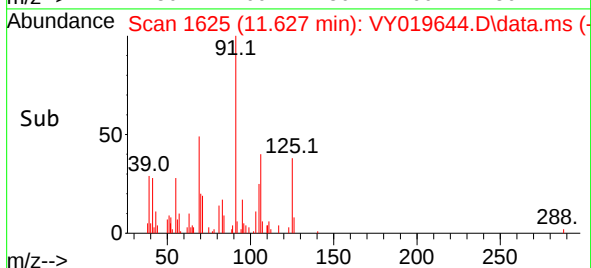
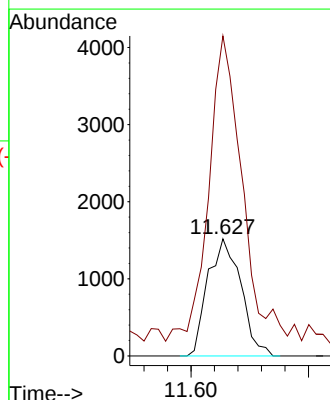
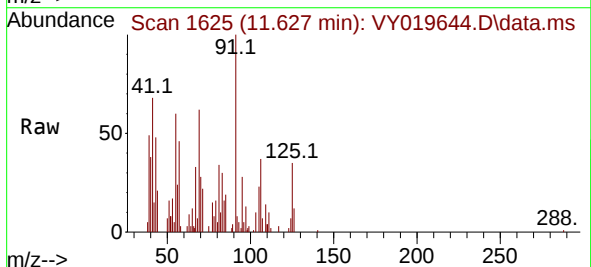
Acq: 20 Sep 2024 14:36

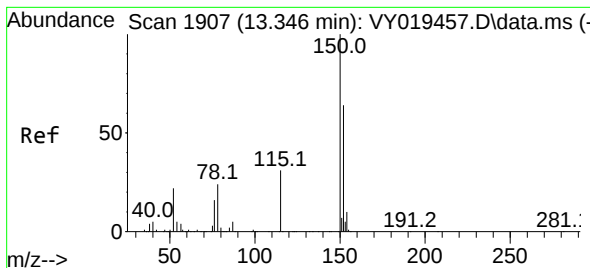
Tgt Ion:106 Resp: 2970

Ion Ratio Lower Upper

106 100

91 261.0 156.0 234.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019644.D

Acq: 20 Sep 2024 14:36

Instrument :

MSVOA_Y

ClientSampleId :

365-351-294RE

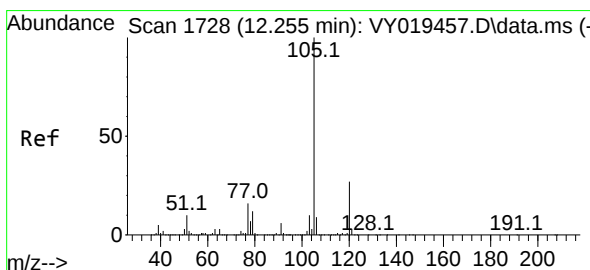
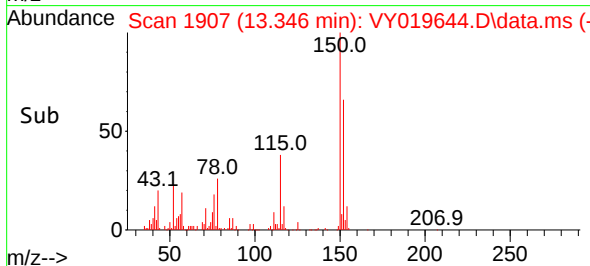
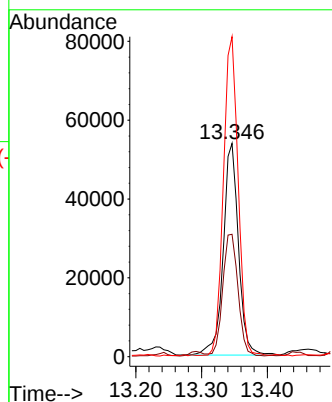
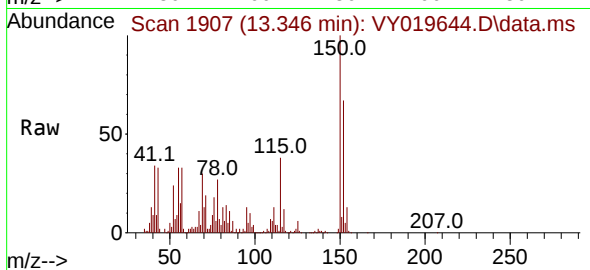
Tgt Ion:152 Resp: 86549

Ion Ratio Lower Upper

152 100

115 57.6 28.2 84.7

150 144.6 0.0 345.6



#73

Isopropylbenzene

Concen: 5.971 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY019644.D

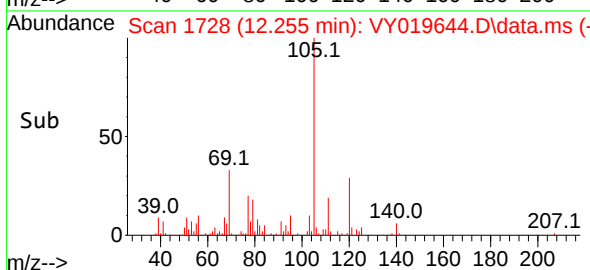
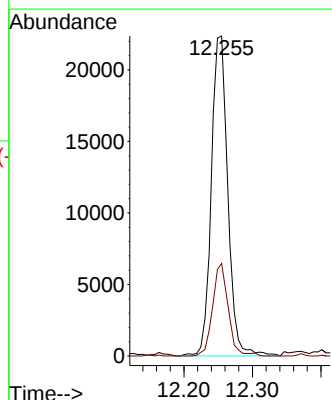
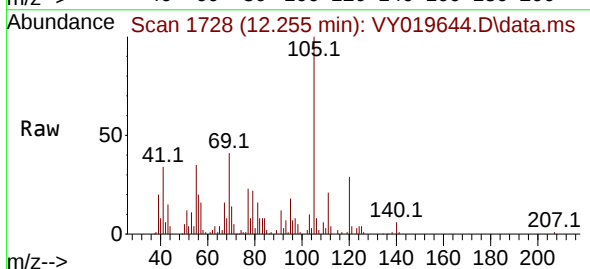
Acq: 20 Sep 2024 14:36

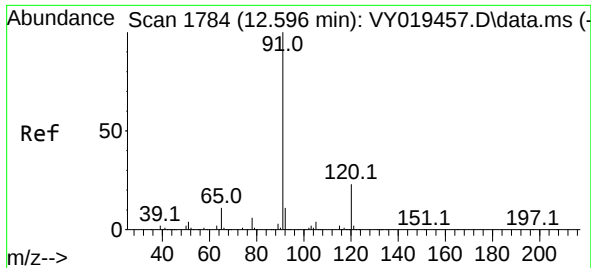
Tgt Ion:105 Resp: 37489

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.1





#78
 n-propylbenzene
 Concen: 6.410 ug/l
 RT: 12.596 min Scan# 11
 Delta R.T. 0.000 min
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 Acq: 20 Sep 2024 14:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 365-351-294RE

Tgt Ion: 91 Resp: 47703
 Ion Ratio Lower Upper
 91 100
 120 21.5 11.5 34.4

